Technical Report for the
Drilling, 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 May 26th – July 2nd, 2019

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Introduction

Field Program Objectives

The 2019 field program primarily consisted of geological and geochemical investigations at the POW and Lost Ace zones. Field crews conducted reconnaissance soil sampling and prospecting, diamond drilling at the POW Zone and Rotary Air Blast drilling at the Lost Ace and POW zones.

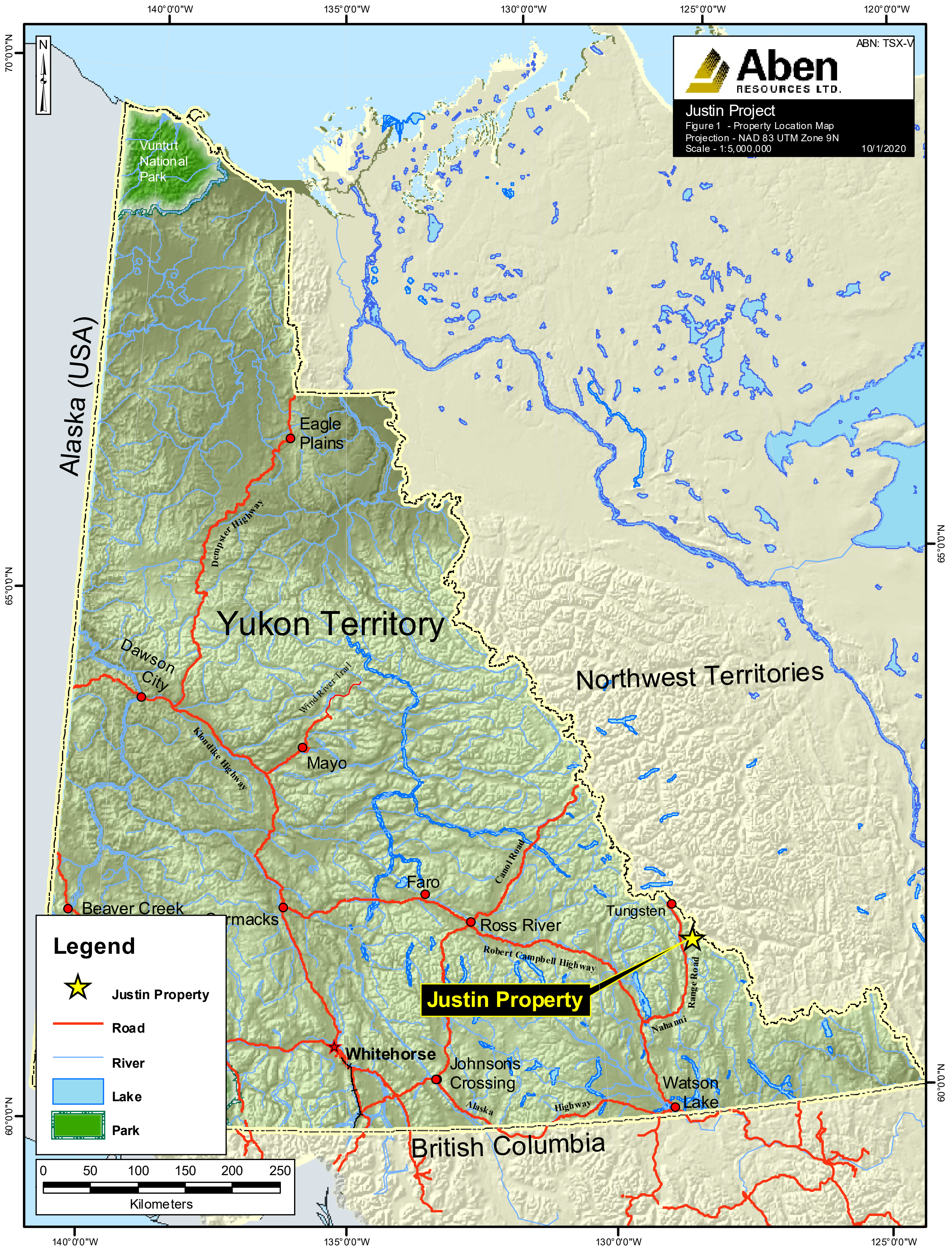
Location and Access

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.



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
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Justin Project
Figure 1 - Property Location Map
Projection - NAD 83 UTM Zone 9N
Scale - 1:5,000,000
10/1/2020
Vuntut National Park
Alaska (USA)
Eagle Plains
Dempster Highway
Yukon Territory
Dawson City
Wind River Trail
Klondike Highway
Mayo
Northwest Territories
Canol Road
Faro
Beaver Creek
Ross River
Tungsten
Robert Campbell Highway
Range Road
Justin Property
Nahanni
Whitehorse
Johnsons Crossing
Watson Lake
Alaska
Highway
British Columbia
Legend
Justin Property
Road
River
Lake
Park
0
50
100
150
200
250
Kilometers
140°0'0"W
135°0'0"W
130°0'0"W
125°0'0"W
65°0'0"N
60°0'0"N

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 dd/mm/yyyy	Map Number
Watson Lake	YB59913 - YB70824	JUSTIN 1 - 20	ABEN RESOURCES LTD. - 100%	29/11/2040	105H09
Watson Lake	YB70825	JUSTIN 21	ABEN RESOURCES LTD. - 100%	29/11/2039	105H09
Watson Lake	YB70826-YB70829	JUSTIN 22-25	ABEN RESOURCES LTD. - 100%	29/11/2036	105H09
Watson Lake	YC73232 – YC73242	SP 1 - 11	ABEN RESOURCES LTD. - 100%	29/11/2036	105H09
Watson Lake	YC73243 – YC73281	SP 12 - 50	ABEN RESOURCES LTD. - 100%	29/11/2037	105H09
Watson Lake	YD65452 - YD65456	SP 51 - 55	ABEN RESOURCES LTD. - 100%	29/11/2039	105H09
Watson Lake	YD87903 - YD87934	SP 57 - 88	ABEN RESOURCES LTD. - 100%	29/11/2035	105H09
Watson Lake	YF33001 - YF33054	SP 89 - 142	ABEN RESOURCES LTD. - 100%	29/11/2032	105H09
Watson Lake	YF33055 - YF33119	SP 143 - 207	ABEN RESOURCES LTD. - 100%	29/11/2036	105H09
Watson Lake	YD25701- YD25808	VF 1 - 108	ABEN RESOURCES LTD. - 100%	18/10/2028	105H09
Watson Lake	YD257809- YD25844	VF 109 - 144	ABEN RESOURCES LTD. - 100%	18/10/2032	105H09

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Justin Project
Figure 2 - Tenure Location Map
Projection - NAD 83 UTM Zone 9N
Scale - 1:30,000
10/1/2020
Justin Project
Watson Lake Mining District, YT.
Faro
Ross River
Justin Project
Watson Lake Mining District
Teslin
Watson Lake
Legend
Nahanni Range Road
Justin Project Quartz Claims
Justin Tenure Outline
0
1
2
3
4
Kilometers
537000
540000
543000
546000
549000
552000
6852000
6848000
6844000
6840000
6836000
6832000
N

History and Previous Work

(Modified after open citation A. Higgs, 2010 & 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 (pyritemarcasite) 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.

In 2018 a small field program consisting of 5 crew, totalling 50 person days, was completed between August 31 to September 11, 2018. Crew mobilized from the basecamp at km 143 of the Nahanni Range Road to a secondary camp located approximately 12 km southeast of the basecamp. The 2018 program was a target evaluation module partially funded through the Yukon Mineral Exploration Program (YMEP). A total of 19 channel and 28 chip samples were collected from five trenches, and an additional 16 rock samples, 7 till samples and 241 soil samples (over 6.0 line-kilometers) were collected as part of the program.

The soil sampling program was designed to extend and infill lines, building upon work completed in 2014 and 2017. The areas of interested included 7 lines completed at the Lost Ace Zone, approximately 2 km's northwest of the POW Zone. At the Lost Ace the showings are defined by soil sampling as a discreet 11.40 m long >95th percentile gold-in-soil anomaly with peak values of 650 ppb Au (JNL048 04+50W). The results from the 2018 survey extended the gold-in-soil anomaly from the visible gold (VG) showing at the Lost Ace Zone to 450.0 m southeast along the inferred trend of the grit-phyllite contact.

A second gold-in-soil anomaly was defined by lines JNL051 and -052 approximately 250.0-350.0 m southwest of the Lost Ace showing. Sampling at the Confluence Zone defined the up-slope cut-off for a 95th percentile gold-in-soil anomaly which coincides with the inferred trace of the Little Hyland Fault.

A total of 7 till samples were collected and processed for gold grains and indicator minerals. Two samples (HGJNT001-002) collected along the inferred trace of the Little Hyland Fault but did not return visible gold grains. Five samples (MMJNT002-006) were collected from the northwest corner of the property to investigate the mineralization potential of a lithologic contact known to host orogenic gold.

At the Lost Ace Zone, a total of 5 trenches were completed during the 2018 program. Trench TR18-001 (26.0 linear meters) returned gold grades up to 88.2 g/t over 1.0 m (sample MMJNR151) within a broader zone that returned 20.8 g/t Au over 4.4 m (samples MMJNR150-154). Elevated concentrations of arsenic, antimony, bismuth and tellurium were associated with the gold. Trench TR18-002 measured 36.0 linear meters and returned gold grades up to 0.3 g/t over 1.0 m (sampled from a quartz veined grit interval). Trench TR18-003 was 5.0 linear meters long and was completed as an extension to TR17-004. Samples returned 0.9 g/t gold over 1.0 meters (sampled from quartz veining associated with the grit-phyllite contact. Trenches TR18-004 and TR18-005 did not return any economically significant results.

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.

ABN: TSX-V

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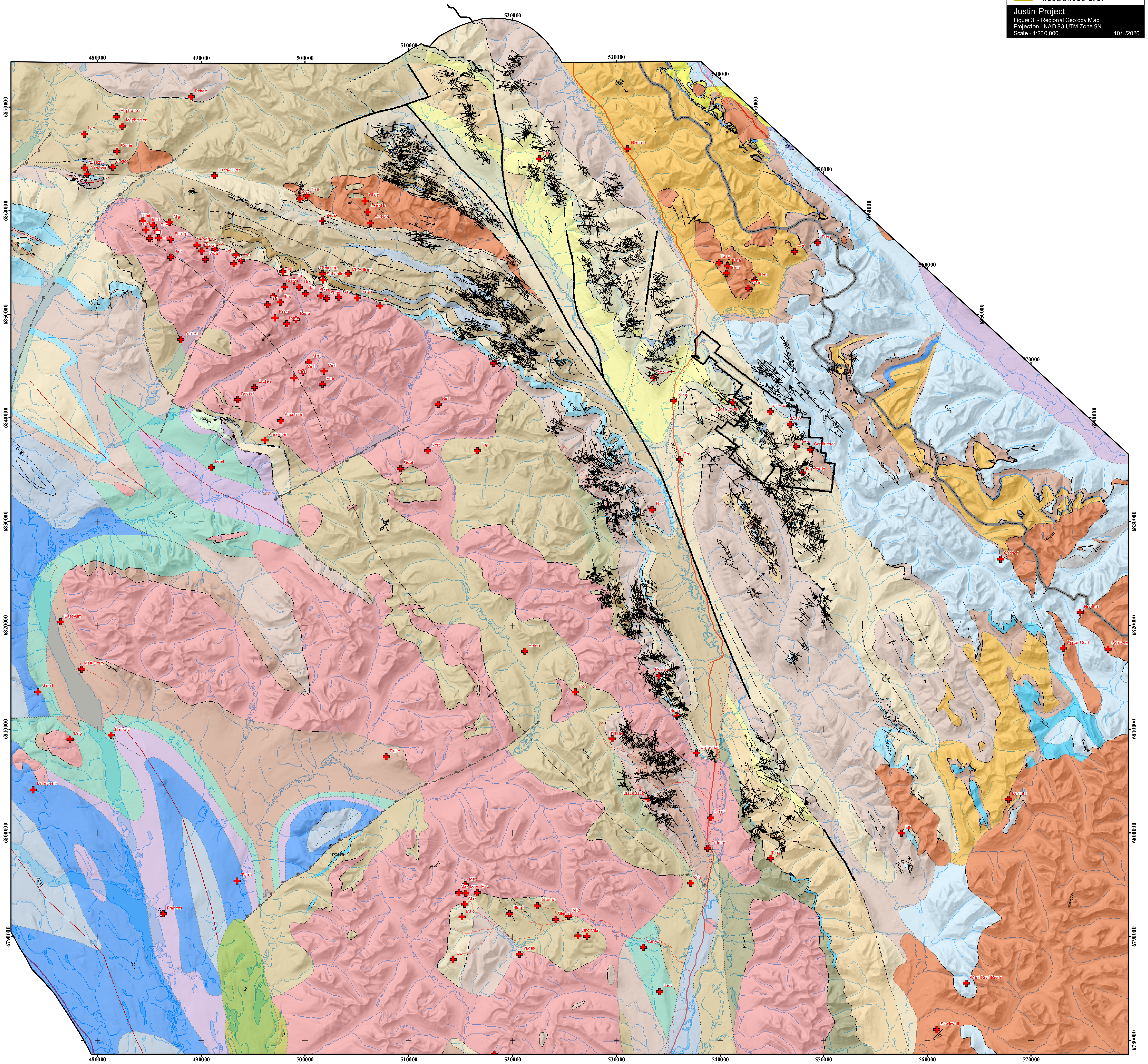
Justin Project

Figure 3 - Regional Geology Map
Projection - NAD 83 UTM Zone 9N
Scale - 1:200,000 10/1/2020



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

SEDIMENTARY AND METASEDIMENTARY ROCKS

QUATERNARY

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

UPPER CAMBRIAN TO LOWER ORDOVICIAN

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

CAMBRIAN SERIES 2-3

- ЄCg — 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*
- ЄCgb — 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*

H Y L A N D G R O U P

- PЄHN — *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 — 60
- 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

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 (P€HYul): 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 (P€HYu): grey and pale green phyllite, sandstone and pebble conglomerate. Calcareous phyllite, siltstone and sandstone with silty and sandy limestone.

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

Phyllite (P€HYup): green phyllite.

Narchilla Formation (P€HN)

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 (I€G): 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 (I€GB): 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 (€OR)

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. North-east 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.

<u>Sheeted Veining</u>

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.

Composite

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.

Confluence zone

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.

Mineralization Overview (Hart, 2012, Burke, 2018).

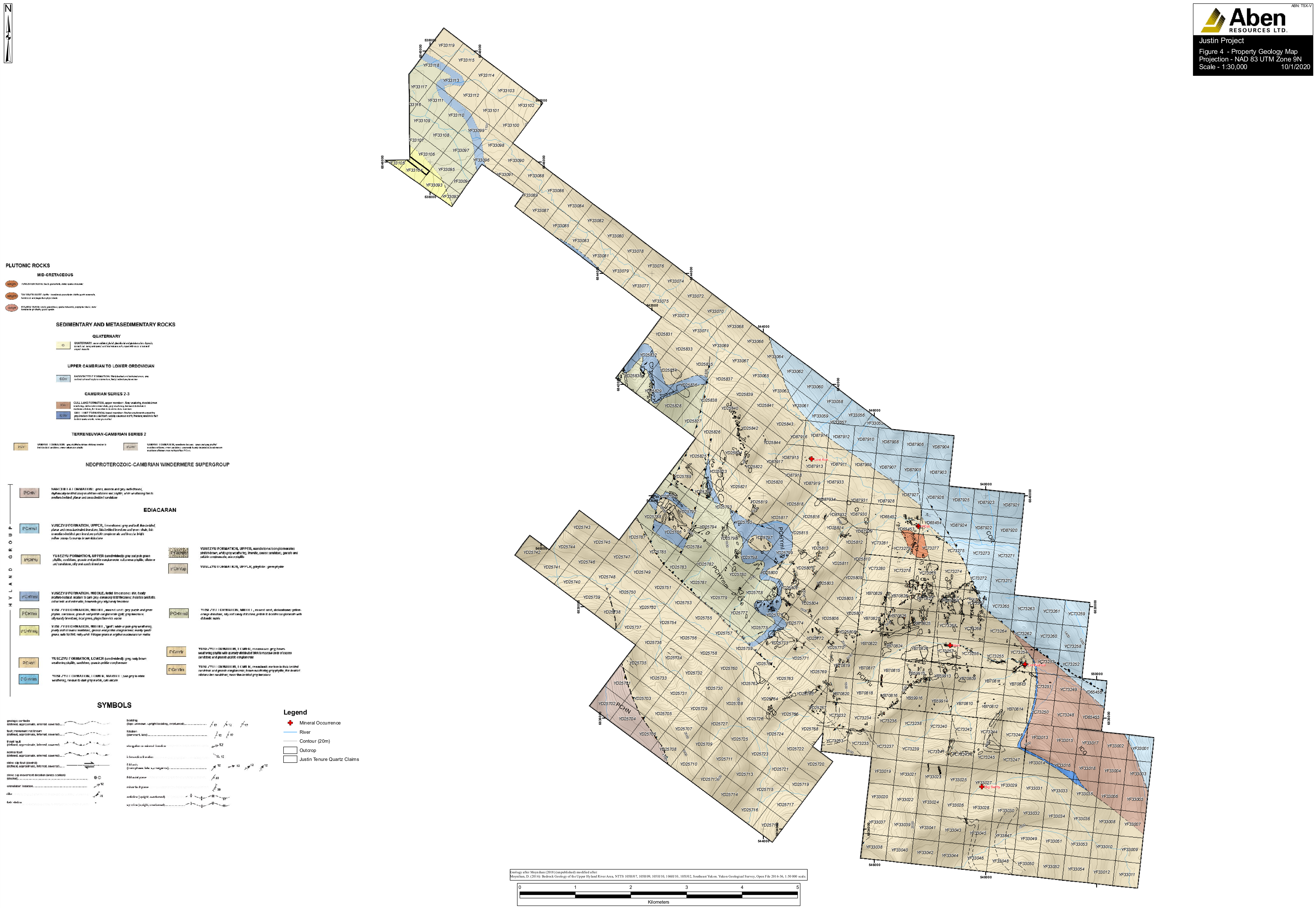
Gold mineralization on the property is considered to be directly related to hydrothermal fluids emanating from the Justin pluton and hydrothermal fluids derived from regional metamorphism.

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).


ABN: TSX-V
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Justin Project
Figure 4 - Property Geology Map
Projection - NAD 83 UTM Zone 9N
Scale - 1:30,000
10/1/2020
N
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
Mineral Occurrence
River
Contour (20m)
Outcrop
Justin Tenure Quartz Claims
Geology after Moynihan (2018) (unpublished) modified after:
Moynihan, D. (2016): Bedrock Geology of the Upper Hyland River Area, NTTS 105H/07, 105H09, 105H/10, 106H/10, 105I/02, Southeast Yukon. Yukon Geological Survey, Open File 2016-36, 1:50 000 scale.
0
1
2
3
4
5
Kilometers

2019 Exploration Program

The 2019 exploration program consisted of 496 person days with a variable crew size ranging from 6 to 18 people on site throughout the length of the field program (conducted between May 26, 2019 to July 2, 2019). The crew was stationed at the Justin base camp located at kilometer 143 of the Nahanni Range Road. Helicopter support was provided by Capital Helicopters Ltd based out of Whitehorse, YT.

The program was designed with 3 goals in mind: diamond drilling to further test the POW Zone mineralized skarn potential, RAB drilling at the Lost Ace Zone to test a favorable lithologic contact known to host high-grade gold mineralization at surface, and generation new targets through surficial geochemical surveys and prospecting.

Diamond drilling at the POW Zone was designed to test the step-out and down-dip potential for gold mineralization of skarn, target a previously un-drilled magnetic high anomaly known as the 'wedge', and investigate intrusion related gold mineralization of sheeted veins within the Justin Intrusion. Rotary Air Blast (RAB) drilling at the Lost Ace Zone was completed to investigate the continuity of high-grade gold mineralization identified at surface during the 2018 exploration program. Additional RAB drilling was completed at the POW Zone to further investigate near-surface mineralization potential of sulphide-bearing veinlets intersected during the 2019 diamond drilling campaign. Finally, surficial geochemical surveys near the Confluence Zone and prospecting in the far northwest corner of the property was completed to follow up on anomalous geochemistry results and geophysical anomalies identified during past field programs. In total, the 2019 field program included completion of 4 diamond drill holes totaling 963.0 m, 20 RAB holes totaling 592.1 m, 18 rock samples from prospecting traverses and 56 soil samples with coverage totaling 2.7 line-kilometers.

Total expenditures related to the Justin Project in 2019 were approximately $1,050,000.00 and $150,000.00 was applied as assessment expenditure with the Yukon Mining Recorder. A detailed cost statement of expenditures can be referenced in Appendix II.

2019 Exploration Results

The 2019 exploration program resulted in the collection of 56 soil samples, 18 rock samples, 361 diamond drill samples (including 38 QA/QC samples), 425 RAB drill samples (including 36 QA/QC samples). All samples were submitted to the ALS Minerals Laboratory in Whitehorse, YT for preparation and subsequently to the ALS Minerals Laboratory in North Vancouver for analysis. The completed analytical package included the following methods for all rock, core and cuttings: PREP-31H, AU-AA24, ME-OG46, ME-MS41, AU-GRA22, AU-SCR24C. Soil samples were analyzed using the following analytical package: PREP-41, AU-ST43, ME-MS41 and AU-OG43. A selection of 36 diamond drill core samples were sent for reanalysis at a Bureau Veritas in Vancouver, BC, to confirm analytical results reported during the initial round of analysis. The analytical package from Bureau Veritas included the following codes: PRP70-500, FA450, AQ250_EXT, FA550. All referee samples confirmed initial results and will not be referenced in the following section. Refer to Appendix III for detailed descriptions of each of the listed analytical methodologies.

The Company's QA/QC measures included insertion of external blanks and standards into the sample stream for all DDH core and RAB cuttings samples. For the DDH core sampling, a minimum of one standard reference sample, one blank sample, and one lab produced duplicated were inserted for each analytical batch of samples (analytical batch is 36 samples). Additional QA/QC samples were added at the discretion of the supervising geologist. For RAB sampling each hole contains at least one lab generated duplicate, and one standard reference sample or one blank sample.

Refer to Appendix III for detailed descriptions of each analytic technique. The analytic results for each component of the 2019 program will be summarized in the following text. Sample location and description data are included in Appendix IV. Certificates of Assay for all 2019 samples can be referenced in Appendix VI.

Geochemical Surveys

Soil Sampling

A total of 56 soil samples were collected covering approximately 2.7 line-kilometers (Figure 5). The soil lines were designed to take a sample every 50 m following the contour of the slope, testing for gold-in-soil and gold indicator element anomalies that correspond to two subsurface magnetic anomalies. The anomalies are located approximately 825 m southeast of the Confluence Zone.

The samples are characterized as a mix of rocky-sandy-organic rich soils collected from a mix of A, B and C-horizon sample medium at an average depth of 21.0 cm. The survey area is northeast facing with low-moderately sloping terrain. All samples were collected by TerraLogic Exploration Employees Paul Stewart (Geologist) and Dave Roberts (Geotechnician).

Geochemical Statistics

Geochemical statistics were calculated for the 2012 – 2019 soil samples using Microsoft Excel. The years 2012 – 2019 were selected because of consistent analytic techniques and detection limits, and the dataset covers the areas worked during the 2019 field program. The summary statistics are presented below in Table 2.

Table 2 - Summary statistics for the 2012 – 2019 soil samples (n = 1271)

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	1271.00	1271.00	1271.00	1271.00	1271.00	1271.00	1271.00	1271.00	1271.00	1271.00	1271.00	1271.00
Minimum	0.05	0.01	0.05	0.01	0.10	0.03	0.10	0.03	0.10	0.01	0.00	1.00
Maximum	2410.00	3.28	5070.00	42.90	849.00	11.65	2210.00	13.60	14.90	1.43	5.50	965.00
Mean	6.69	0.21	64.53	0.71	25.63	0.64	42.35	1.59	0.47	0.03	0.11	89.79
Median	2.00	0.14	32.40	0.42	22.50	0.52	30.40	1.25	0.30	0.03	0.08	82.00
Standard Deviation	71.05	0.26	176.13	2.54	28.30	0.57	79.83	1.30	0.79	0.05	0.24	65.23
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
75th percentile	3.85	0.23	69.20	0.56	31.30	0.70	43.60	2.01	0.50	0.04	0.14	103.00
90th percentile	7.60	0.41	127.50	0.78	42.30	0.96	71.20	3.08	0.80	0.06	0.23	136.00
95th percentile	13.05	0.66	196.75	1.04	52.55	1.30	96.80	3.94	1.30	0.07	0.30	167.50
98th percentile	25.36	1.02	355.40	2.79	66.40	1.95	165.20	5.00	2.26	0.09	0.41	238.80
99th percentile	53.82	1.23	488.20	8.79	80.68	2.90	287.10	6.15	2.60	0.12	0.52	341.50

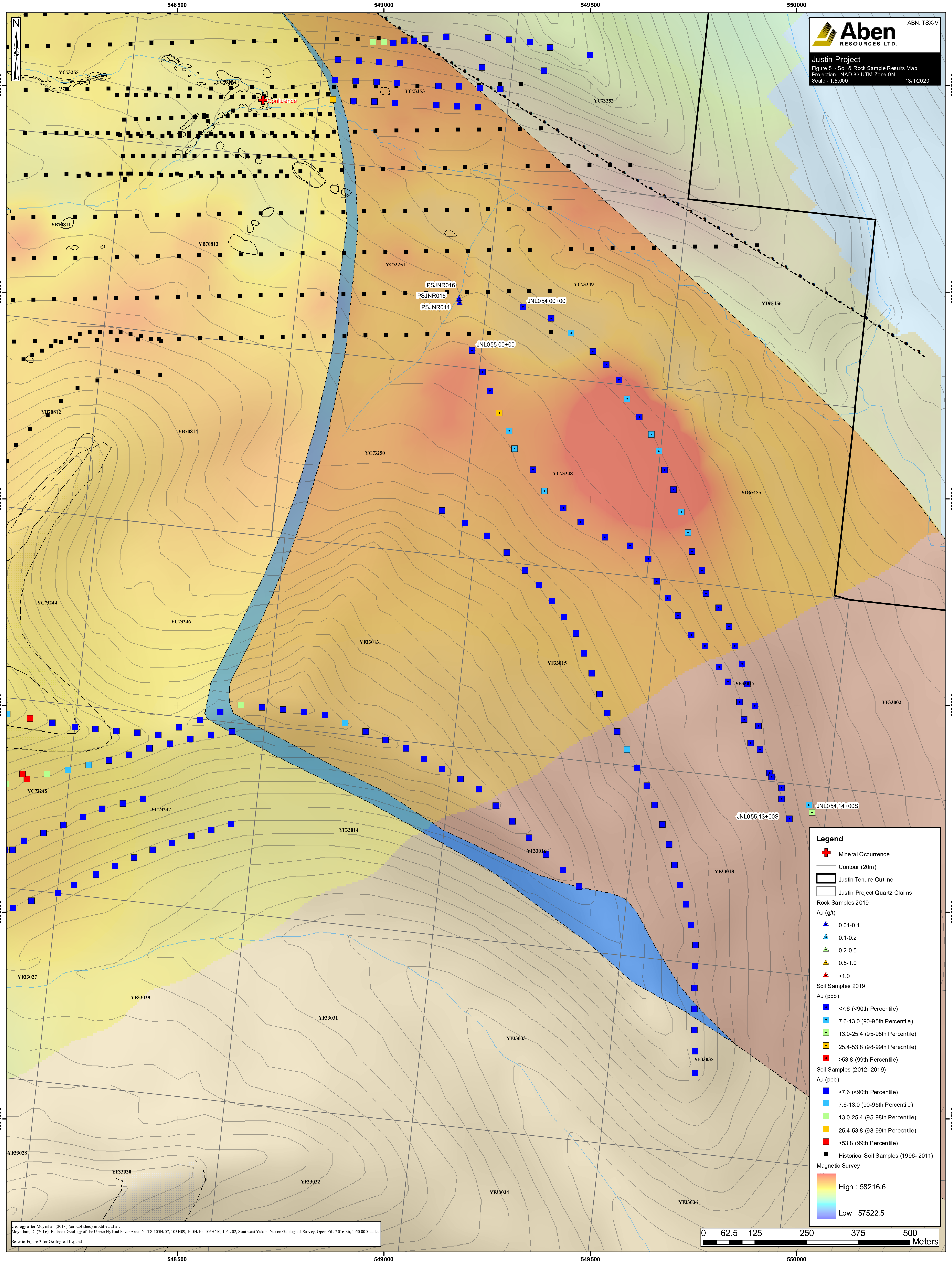
2019 Geochemical Results

Soil Sampling

Gold-in-soil results for the 2012 – 2019 field programs have been plotted on Figure 5, with 2019 samples clearly identified as outlined in the legend.

The 2019 soil sampling program was designed to do reconnaissance testing of an east facing slope/drainage approximately 800.0-1000.0 m southeast of the Confluence Zone mineral occurrence and 2.0 km northeast of the Big Swifty mineral occurrence. The underlying geology is comprised of the Gull Lake Formation, and the sample lines are downslope of the inferred position of the favorable Gull Lake – Yusezyu formation contact and the lines traverse two subsurface magnetic-high anomalies. A total of 58 soil samples were collected over 2.7 line-kilometres.

Only 1 sample returned significantly anomalous (98th percentile) gold-in-soil result (JNL055 01+50S; 42.4 ppb Au) which roughly correlates to the underlying magnetic-high anomaly. Sample JNL055 04+50S returned a Bi concentration of 5.51 ppm (>99th percentile), at the POW Zone Bi has a strong correlation to gold when targeting mineralized skarn (with similar magnetic-high signatures). All other analyses for common gold indicator elements did not return significant results.


ABN: TSX-V
Aben RESOURCES LTD.
Justin Project
Figure 5 - Soil & Rock Sample Results Map
Projection - NAD 83 UTM Zone 9N
Scale - 1:5,000
13/1/2020
548500
549000
549500
550000
6837000
6836500
6836000
6835500
6835000
6834500
Confluence
PSJNR016
PSJNR015
PSJNR014
JNL054 00+00
JNL055 00+00
JNL054 14+00S
JNL055 13+00S
YC73255
YC73254
YC73253
YC73252
YB70811
YB70813
YC73251
YC73249
YD65456
YB70812
YB70814
YC73250
YC73248
YD65455
YC73244
YC73246
YF33013
YF33015
YF33017
YF33002
YC73245
YC73247
YF33014
YF33016
YF33018
YF33027
YF33029
YF33031
YF33033
YF33035
YF33028
YF33030
YF33032
YF33034
YF33036
Legend
Mineral Occurrence
Contour (20m)
Justin Tenure Outline
Justin Project Quartz Claims
Rock Samples 2019
Au (g/t)
0.01-0.1
0.1-0.2
0.2-0.5
0.5-1.0
>1.0
Soil Samples 2019
Au (ppb)
<7.6 (<90th Percentile)
7.6-13.0 (90-95th Percentile)
13.0-25.4 (95-98th Percentile)
25.4-53.8 (98-99th Perecntile)
>53.8 (99th Percentile)
Soil Samples (2012- 2019)
Au (ppb)
<7.6 (<90th Percentile)
7.6-13.0 (90-95th Percentile)
13.0-25.4 (95-98th Percentile)
25.4-53.8 (98-99th Percentile)
>53.8 (99th Percentile)
Historical Soil Samples (1996- 2011)
Magnetic Survey
High : 58216.6
Low : 57522.5
0 62.5 125 250 375 500 Meters
Geology after Moynihan (2018) (unpublished) modified after:
Moynihan, D. (2016): Bedrock Geology of the Upper Hyland River Area, NTTS 105H/07, 105H09, 105H/10, 106H/10, 105I/02, Southeast Yukon. Yukon Geological Survey, Open File 2016-36, 1:50 000 scale.
Refer to Figure 3 for Geological Legend

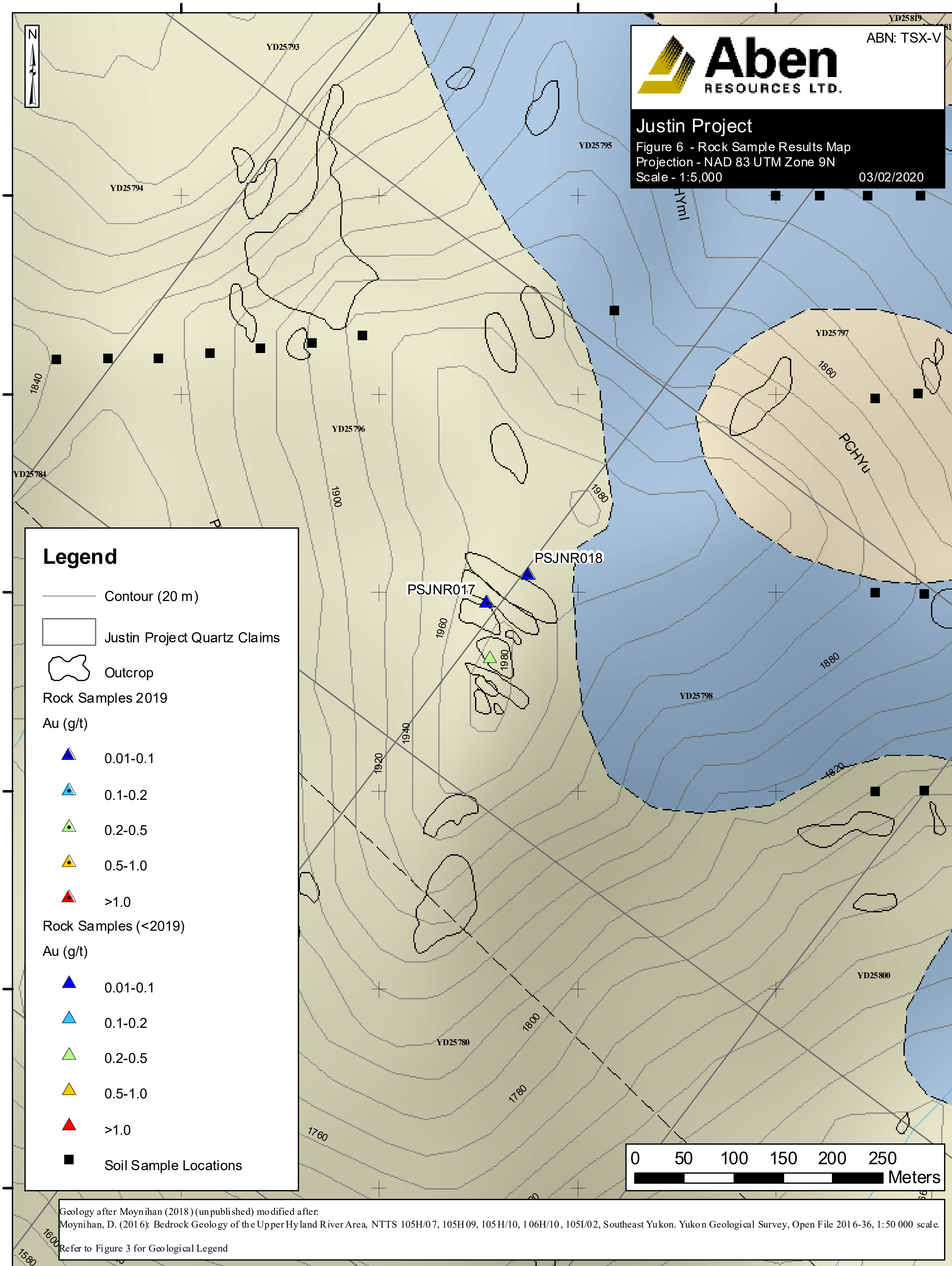
Rock Sampling

A total of 18 rock samples were collected from outcrop during 2019 prospecting activities. For a detailed description of rock sampling techniques refer to Appendix III. Refer to Figures 5, 6a and 6b for sample locations and gold results. All samples were collected by TerraLogic Exploration employee Paul Stewart (Geologist).

Three samples (PSJNR014-016) were collected at the start of the soil lines approximately 850 m south-east of the confluence zone (Figure 5). The samples are comprised of sandstone with discordant quartz veins bearing oxidized blebby sulphide mineralization (pyrite-arsenopyrite) These samples did not return any economically significant gold results. Sample PSJNR014 returned a slightly anomalous concentration of As at 1085 ppm, while sample PSJNR016 returned anomalous Cu of 105 ppm.

An additional 2 samples (PSJNR017-018) were collected during a ridge-line traverse in the center of the property (Figure 6). The samples were collected to further investigate anomalous results returned from sample LJJNR006 (anomalous results include: >10,000 ppm As, 433 ppb Au, 63 ppm Sb). The samples are comprised of intensely oxidized sandstones collected from outcrop of interbedded sandstone-limestone of the middle Yusezyu Formation. Mineralization in sample PSJNR017 is hosted in mm-scale quartz veinlets, while sulphide boxwork mineralization was noted in sample PSJNR018. Sample PSJNR018 returned weakly anomalous Cu concentration of 71.8 ppm. Sample PSJNR017 did not return results of economic significance.

The remaining 14 grab samples (PSJNR001-014) were collected from the Northwest corner of the property (Figure 7). Prospecting activities were designed to follow up on chip and grab samples containing pyrite-arsenopyrite mineralized veinlets first discovered during the 2018 field program. All samples were comprised of quartz-pebble conglomerate with variably mineralized (pyrite ± arsenopyrite) stockwork quartz veinlets (<10 cm true width). Sample PSJNR003 returned an anomalous arsenic value (>10,000 ppm). All other samples did not return results of economic significance. The 2019 sampling program did not clarify explain the source of the pristine gold grains observed in the 2018 till sampling. Due to the elevated nature of the 2018 assay results and the underexplored nature of this portion of the property, further prospecting and geochemical investigation is warranted.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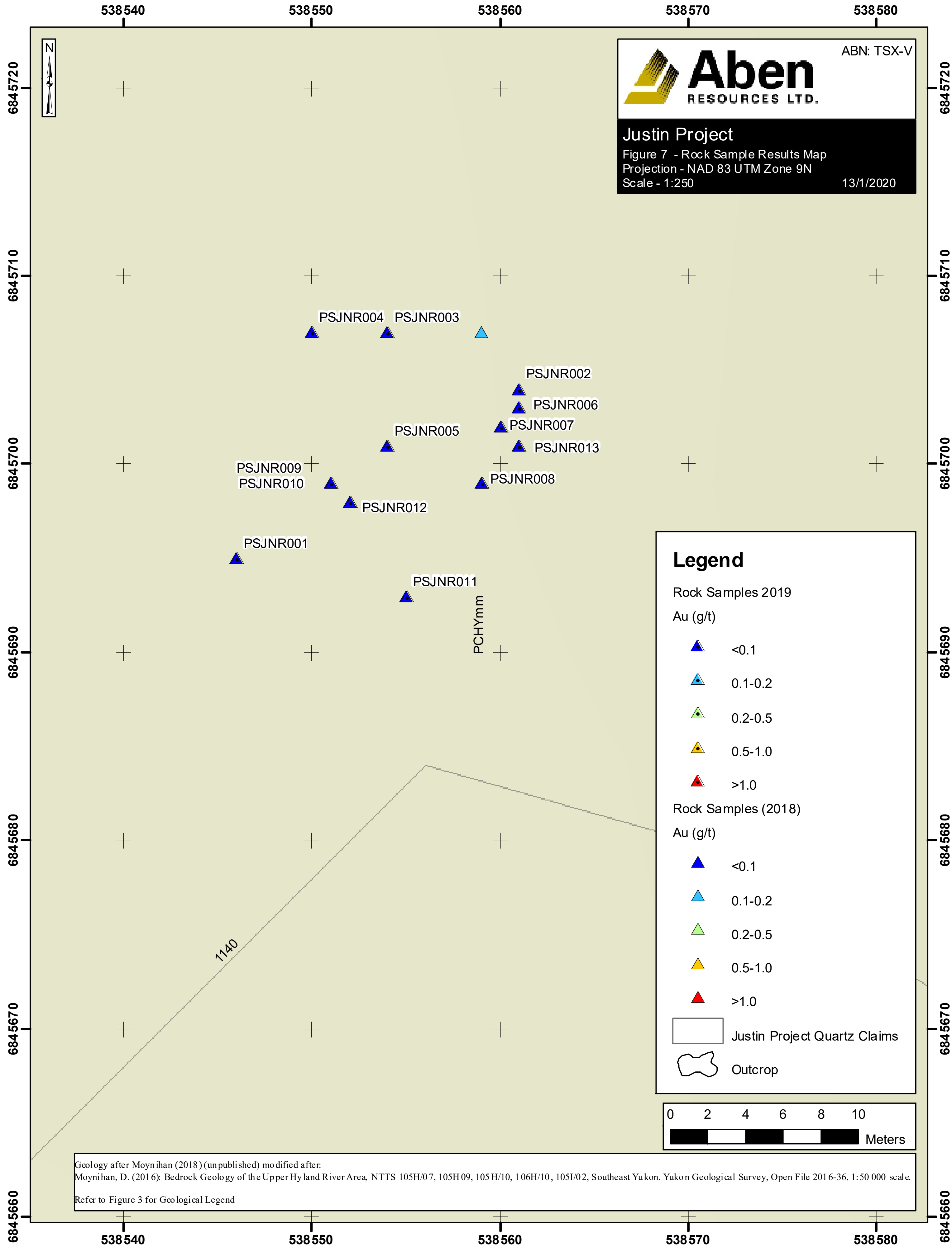
Justin Project
Figure 6 - Rock Sample Results Map
Projection - NAD 83 UTM Zone 9N
Scale - 1:5,000
03/02/2020
Legend
Contour (20 m)
Justin Project Quartz Claims
Outcrop
Rock Samples 2019
Au (g/t)
0.01-0.1
0.1-0.2
0.2-0.5
0.5-1.0
>1.0
Rock Samples (<2019)
Au (g/t)
0.01-0.1
0.1-0.2
0.2-0.5
0.5-1.0
>1.0
Soil Sample Locations
PSJNR018
PSJNR017
YD25793
YD25794
YD25795
YD25796
YD25797
YD25798
YD25784
YD25780
YD25800
YD25819
PCHYu
PCHYml
543200
543400
543600
543800
6839400
6839200
6839000
6838800
6838600
6838400
0 50 100 150 200 250
Meters
Geology after Moynihan (2018) (unpublished) modified after:
Moynihan, D. (2016): Bedrock Geology of the Upper Hyland River Area, NTTS 105H/07, 105H09, 105H/10, 106H/10, 105I/02, Southeast Yukon. Yukon Geological Survey, Open File 2016-36, 1:50 000 scale.
Refer to Figure 3 for Geological Legend



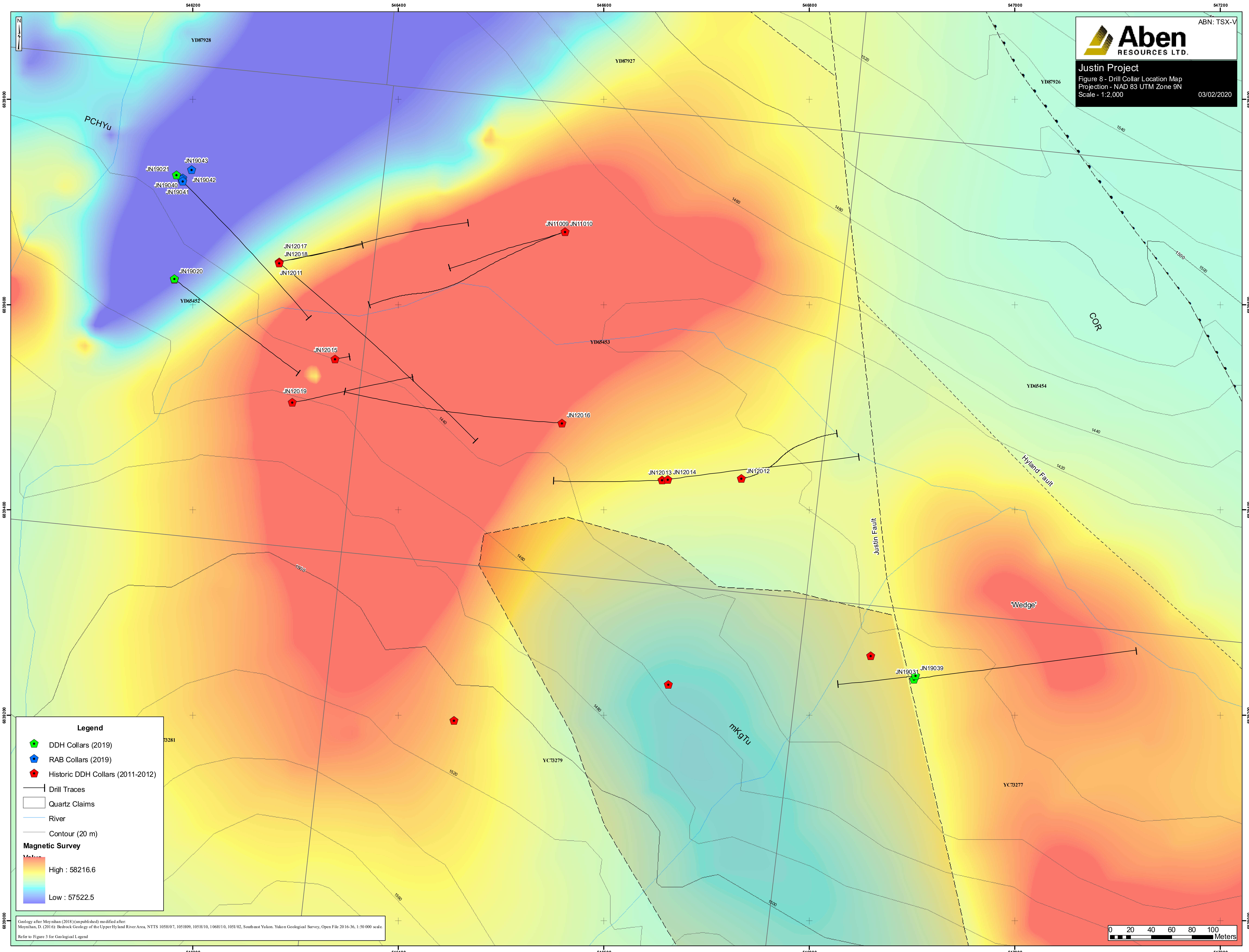
538540
538550
538560
538570
538580
6845720
6845710
6845700
6845690
6845680
6845670
6845660
N
ABN: TSX-V
Aben
RESOURCES LTD.
Justin Project
Figure 7 - Rock Sample Results Map
Projection - NAD 83 UTM Zone 9N
Scale - 1:250
13/1/2020
PSJNR004
PSJNR003
PSJNR002
PSJNR006
PSJNR007
PSJNR005
PSJNR013
PSJNR009
PSJNR010
PSJNR008
PSJNR012
PSJNR001
PSJNR011
PCHYmm
1140
Legend
Rock Samples 2019
Au (g/t)
<0.1
0.1-0.2
0.2-0.5
0.5-1.0
>1.0
Rock Samples (2018)
Au (g/t)
<0.1
0.1-0.2
0.2-0.5
0.5-1.0
>1.0
Justin Project Quartz Claims
Outcrop
0 2 4 6 8 10
Meters
Geology after Moynihan (2018) (unpublished) modified after:
Moynihan, D. (2016): Bedrock Geology of the Upper Hyland River Area, NTTS 105H/07, 105H09, 105H/10, 106H/10, 105I/02, Southeast Yukon. Yukon Geological Survey, Open File 2016-36, 1:50 000 scale.
Refer to Figure 3 for Geological Legend

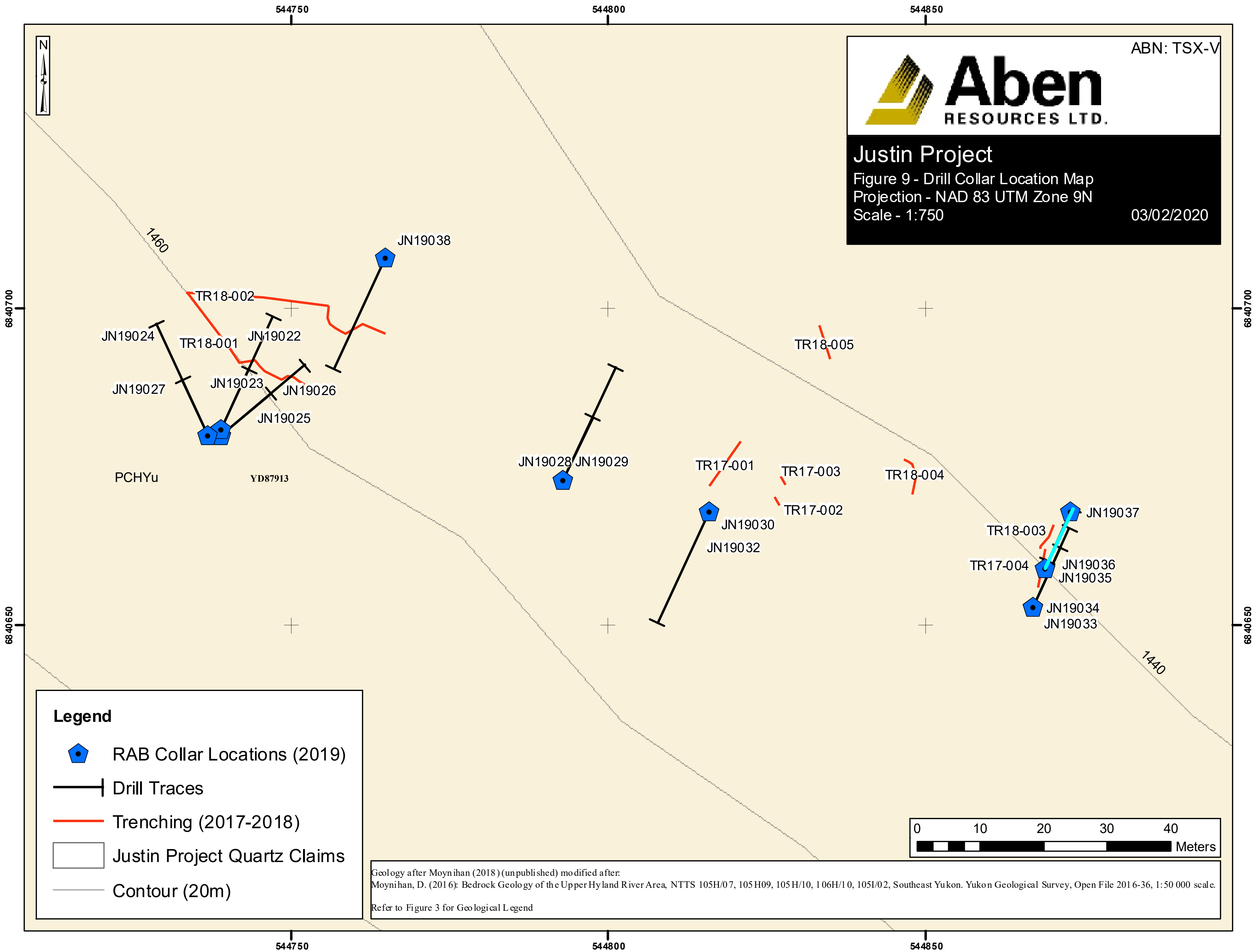
2019 Drill Program

The 2019 drill program consisted of both Diamond Drill Holes (DDH) and Rotary Air Blast (RAB) Drilling. A total of 24 holes were completed (4 DDH and 20 RAB), refer to Figure 8 and 9 for collar locations. The diamond drill program had 3 main objectives: step-out holes to further test the down-dip mineralization potential of skarn altered zones, further investigate the source of the POW Zone magnetic anomalies, and test the mineralization potential of the Justin Fault and the sheeted quartz-carbonate veins hosted in the Justin Intrusion. The RAB drill program was designed to further define near-surface stratigraphy at the Lost Ace zone and test for lateral and down-dip continuity of mineralization of a favourable lithologic contact that was the target of the 2017-2018 surface trenching programs.

Table 3 – Drilling Summary

Hole ID	Mineral Claim Grant Number	Drill Type	Collar Location		Hole Orientation		Final Depth (m)	Start Date dd/mm/yyyy	Finish Date dd/mm/yyyy
			Easting	Northing	Azimuth	Incl.			
JN19020	YD65452	Diamond	546182	6839625	130	-45	222.0	05/06/2019	09/06/2019
JN19021	YD65452	Diamond	546184	6839726	130	-48	303.0	10/06/2019	17/06/2019
JN19022	YD87913	RAB	544739	6840681	25	-50	30.5	13/06/2019	13/06/2019
JN19023	YD87913	RAB	544739	6840681	25	-70	30.5	14/06/2019	14/06/2019
JN19024	YD87913	RAB	544737	6840680	335	-50	30.5	14/06/2019	14/06/2019
JN19025	YD87913	RAB	544739	6840680	50	-70	30.5	15/06/2019	15/06/2019
JN19026	YD87913	RAB	544739	6840680	50	-55	30.5	16/06/2019	16/06/2019
JN19027	YD87913	RAB	544737	6840680	335	-70	29.0	16/06/2019	16/06/2019
JN19028	YD87913	RAB	544793	6840673	25	-50	30.5	17/06/2019	17/06/2019
JN19029	YD87913	RAB	544793	6840673	25	-70	32.0	17/06/2019	17/06/2019
JN19030	YD87913	RAB	544816	6840668	-	-90	30.5	18/06/2019	18/06/2019
JN19031	YC73277	Diamond	546902	6839235	80	-45	309.0	18/06/2019	23/06/2019
JN19032	YD87913	RAB	544816	6840668	205	-50	30.5	18/06/2019	18/06/2019
JN19033	YD87913	RAB	544867	6840653	25	-70	30.5	19/06/2019	19/06/2019
JN19034	YD87913	RAB	544867	6840653	25	-50	21.3	19/06/2019	20/06/2019
JN19035	YD87913	RAB	544869	6840659	-	-90	30.5	20/06/2019	20/06/2019
JN19036	YD87913	RAB	544869	6840659	25	-70	30.5	20/06/2019	21/06/2019
JN19037	YD87913	RAB	544873	6840668	205	-50	13.7	22/06/2019	22/06/2019
JN19038	YD87913	RAB	544765	6840708	205	-50	30.5	23/06/2019	23/06/2019
JN19039	YC73277	Diamond	546903	6839239	260	-45	126.0	23/06/2019	25/06/2019
JN19040	YD65452	RAB	546189	6839722	-	-90	32.0	24/06/2019	24/06/2019
JN19041	YD65452	RAB	546190	6839720	130	-50	39.6	24/06/2019	25/06/2019
JN19042	YD65452	RAB	546190	6839723	85	-50	39.6	25/06/2019	25/06/2019
JN19043	YD65452	RAB	546199	6839731	-	-90	19.1	27/06/2019	27/06/2019
*All coordinates are reported in UTM NAD83 Zone 9N									


ABN: TSX-V
Aben
RESOURCES LTD.
Justin Project
Figure 8 - Drill Collar Location Map
Projection - NAD 83 UTM Zone 9N
Scale - 1:2,000
03/02/2020
546200
546400
546600
546800
547000
547200
6839800
6839600
6839400
6839200
6839000
YD87928
YD87927
YD87926
YD65452
YD65453
YD65454
YC73279
YC73277
PCHYu
COR
mKgTu
Hyland Fault
Justin Fault
'Wedge'
JN19043
JN19021
JN19042
JN19040
JN19041
JN19020
JN11009 JN11010
JN12017
JN12018
JN12011
JN12015
JN12019
JN12016
JN12013 JN12014
JN12012
JN19031
JN19039
Legend
DDH Collars (2019)
RAB Collars (2019)
Historic DDH Collars (2011-2012)
Drill Traces
Quartz Claims
River
Contour (20 m)
Magnetic Survey
Value
High : 58216.6
Low : 57522.5
0 20 40 60 80 100
Meters
Geology after Moynihan (2018) (unpublished) modified after:
Moynihan, D. (2016): Bedrock Geology of the Upper Hyland River Area, NTTS 105H/07, 105H09, 105H/10, 106H/10, 105I/02, Southeast Yukon. Yukon Geological Survey, Open File 2016-36, 1:50 000 scale.
Refer to Figure 3 for Geological Legend


544750
544800
544850
6840700
6840650
N
ABN: TSX-V
Aben
RESOURCES LTD.
Justin Project
Figure 9 - Drill Collar Location Map
Projection - NAD 83 UTM Zone 9N
Scale - 1:750
03/02/2020
1460
1440
JN19038
TR18-002
JN19024
TR18-001
JN19022
JN19027
JN19023
JN19026
JN19025
PCHYu
YD87913
JN19028
JN19029
TR18-005
TR17-001
TR17-003
TR18-004
TR17-002
JN19030
JN19032
JN19037
TR18-003
TR17-004
JN19036
JN19035
JN19034
JN19033
Legend
RAB Collar Locations (2019)
Drill Traces
Trenching (2017-2018)
Justin Project Quartz Claims
Contour (20m)
0
10
20
30
40
Meters
Geology after Moynihan (2018) (unpublished) modified after:
Moynihan, D. (2016): Bedrock Geology of the Upper Hyland River Area, NTTS 105H/07, 105H09, 105H/10, 106H/10, 105I/02, Southeast Yukon. Yukon Geological Survey, Open File 2016-36, 1:50 000 scale.
Refer to Figure 3 for Geological Legend

Quality Assurance & Quality Control (QAQC)

A total of 36 QAQC samples were inserted over 4 diamond drill core sample shipments, including 12 certified reference material (CRM) standards, 12 blanks and 12 lab duplicates. Additionally, 37 QAQC samples including 9 CRM standards, 19 duplicates and 9 blanks were inserted into 20 sample shipments containing RAB drill samples. The CRM's were purchased from WCM Minerals Ltd, Burnaby, BC. The following CRM's were used at the discretion of the logging geologist: CU193 (low-moderate grade Au, Cu, Mo, Ag), CU195 (low-moderate grade Au, Cu, Mo, Ag), PM469 (low-moderate grade Au), PM933 (high grade Au) and W108 (W, Mo). For diamond drilling all shipments contain at least 1 standard, 1 blank and 1 duplicate inserted into the sample stream for each analytical batch size (38 samples). Additional CRM's and blank samples were inserted at the discretion of the logging geologist. For RAB sampling a duplicate sample was inserted into every hole, and a single CRM or blank was inserted on alternating holes (refer to Appendix III for detailed QAQC and sampling protocols).

All samples were analyzed by ALS Geochemistry (2103 Dollarton Hwy, North Vancouver, BC, V7H 0A7). Standards CU193, CU195, PM469 and PM933 all returned acceptable values for Au, Cu, Ag (Figures 10-15). The Mo concentration returned from CU193 (sample JN19031-005S) plots outside of the fail line. All samples of W108 (JN19020-060S, JN19021-072S, JN19039-052S) returned values for W and Mo that plot outside of the lower fail line. The results from the CU193 and W108 indicate that the current analytical methodology is not appropriate for analysis of W and Mo.

LFL: Lower Fail Limit (3 x Standard Deviation)

LWL: Lower Warning Limit (1.5 x Standard Deviation)

UWL: Upper Warning Limit (1.5 x Standard Deviation)

UFL: Upper Fail Limit (3 x Standard Deviation)

2019 Diamond Drill Program: POW Zone

Four diamond drill holes (from 3 drill pads), totalling 960.0 m, were completed during the 2019 program (refer to Figure 8 for collar locations). All diamond drilling was completed between June 6 – 25, 2019, refer to Appendix 2 for a detailed breakdown of all drilling costs. All drill holes were located at the POW zone (Quartz Claims YD65452, YC73277), refer to Table 3 for drill collar details. Diamond drilling was completed by New Age Drilling Solutions Inc based out of Whitehorse, YT using a heli-portable Discovery 1.5 drill. All holes were collared with HQ coring gear with the ability to reduce to NQ gear if deemed necessary by the supervising geologist. A total of 359 core samples (including the QA/QC samples inserted into the sample stream) were collected during the diamond drill program. All geologic and geotechnical data was collected by the following TerraLogic Exploration employees: Kerry Bates (Project Geologist), Mat Lister (Geotechnician) and Dave Roberts (Geotechnician). Analytical results and detailed geology are summarized below (Refer to Appendix III for detailed data collection and sampling procedures; Refer to Appendix IV for a comprehensive list of all analytical and geological data). All sample intervals in the following sections are reported as drill widths and are not considered true widths unless otherwise indicated. Significant intersections are listed below in Table 4.

Diamond Drill Core Handling and Sampling Methodology

A complete overview of core handling, oriented core, sampling methodologies and analytical methodologies are presented in Appendix III. All drill core samples from the 2019 work program were prepared by ALS Geochemistry in Whitehorse, YT, with all specific analyses completed at ALS Geochemistry in North Vancouver, BC. Analytical certificates for diamond drill core samples can be referenced in Appendix VI. All drill core is stored at the Justin Base Camp, located at km 143, Nahanni Range Road.

Figure 10 – QAQC Analysis of Standard CU193

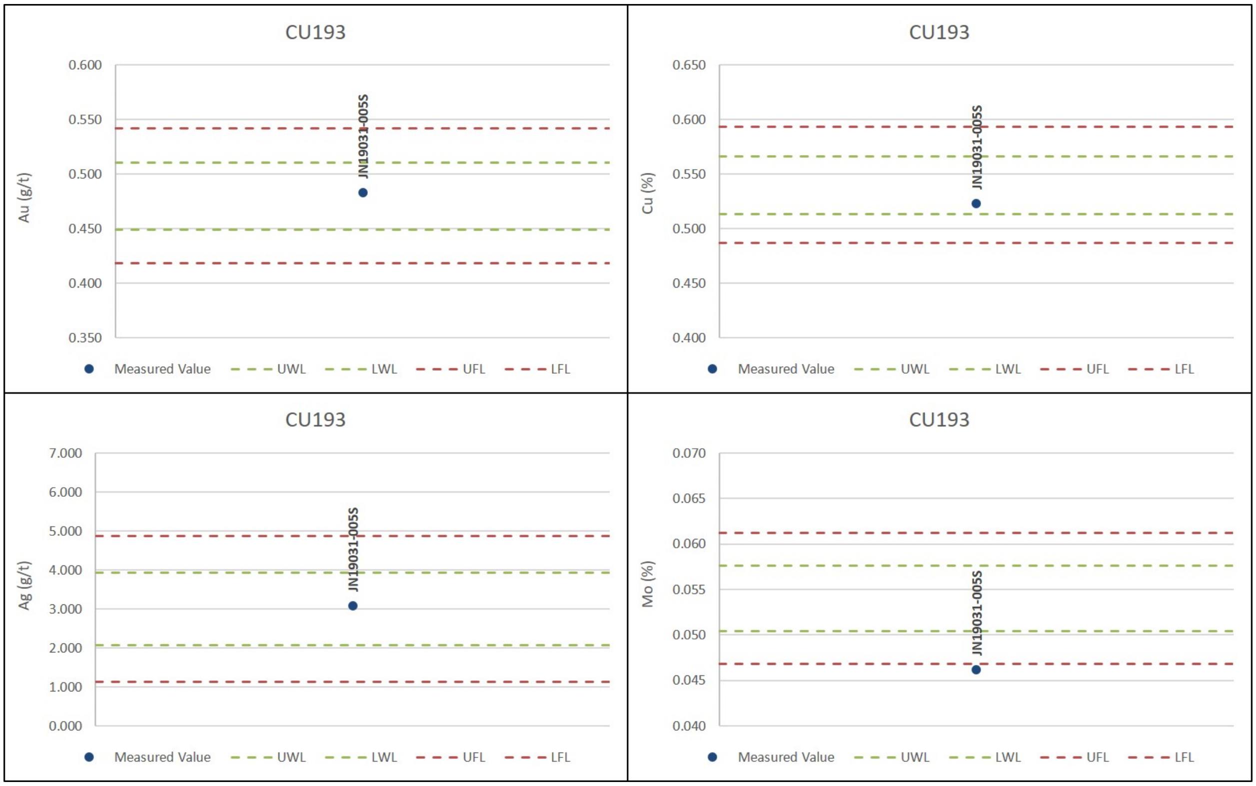


Figure 11 – QAQC Analysis of Standard PM469

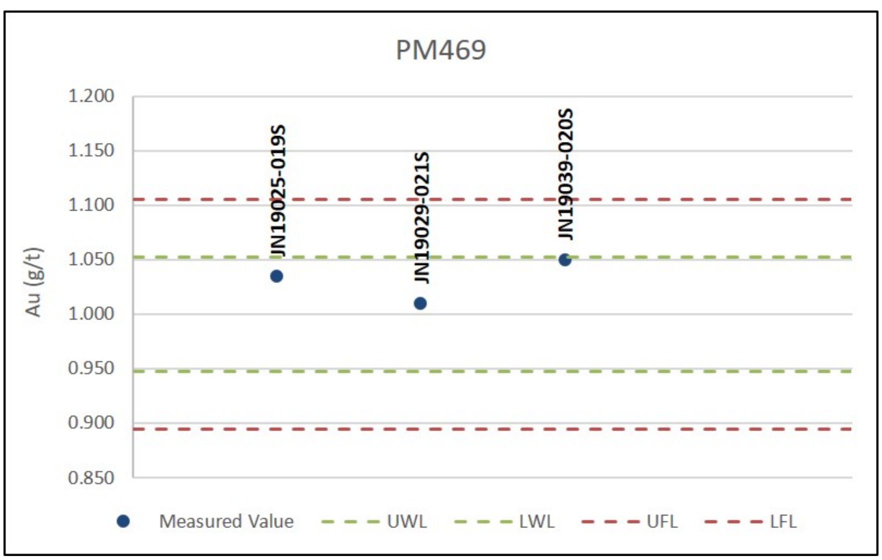


Figure 12 – QAQC Analysis of Standard CU195

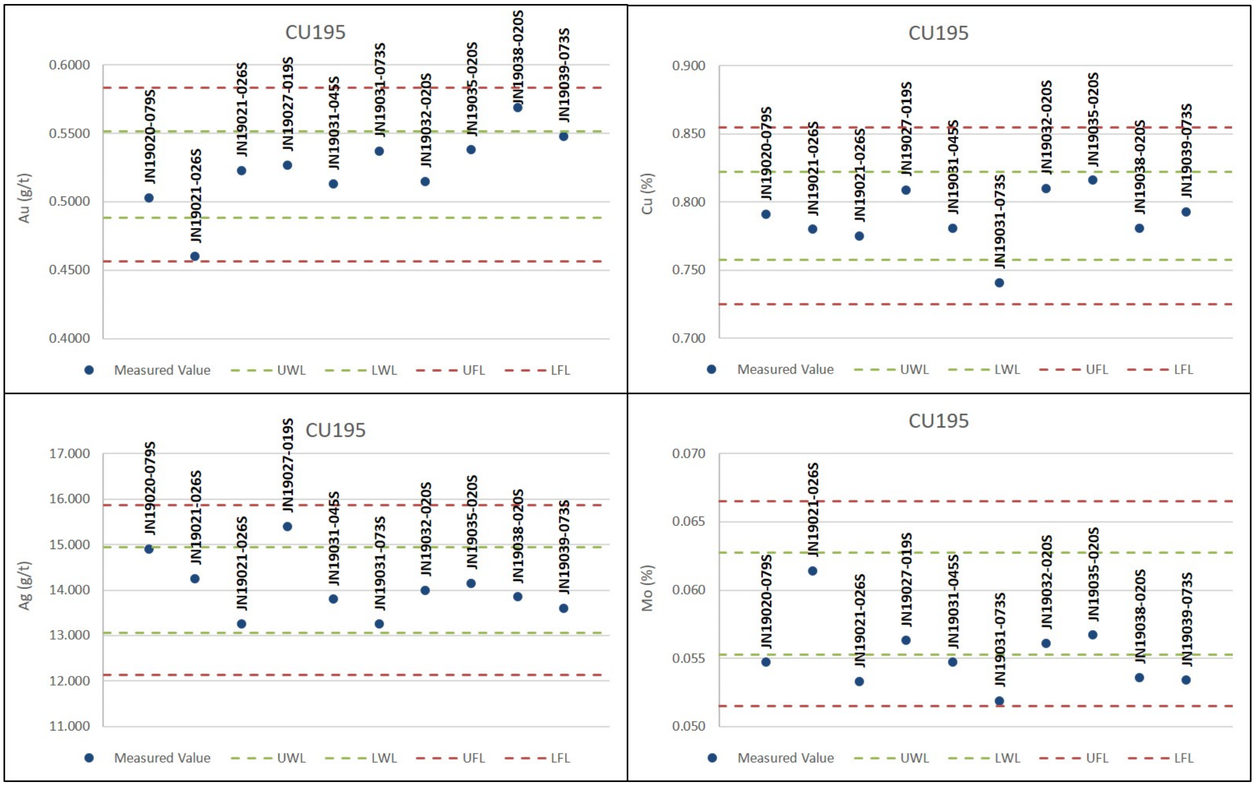


Figure 13 – QAQC Analysis of Standard PM933

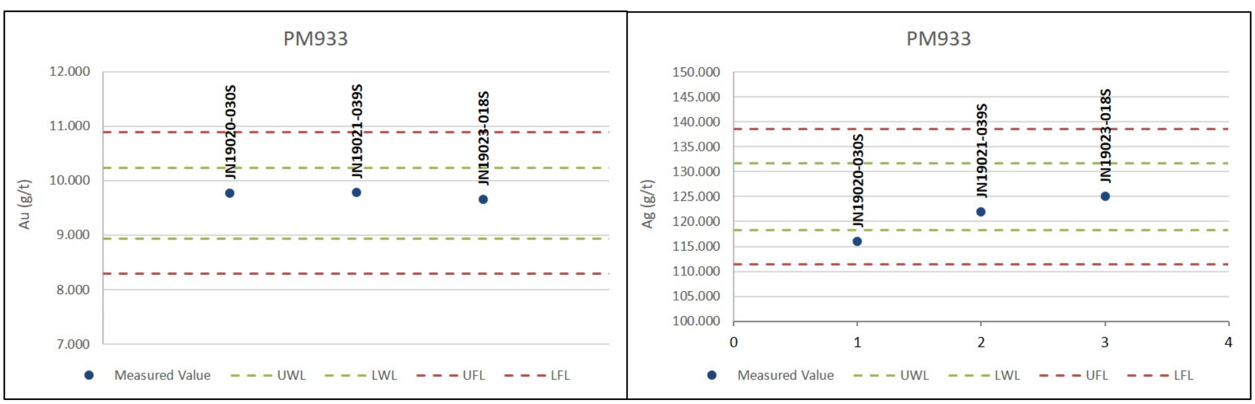


Figure 14 – QAQC Analysis of Standard W108

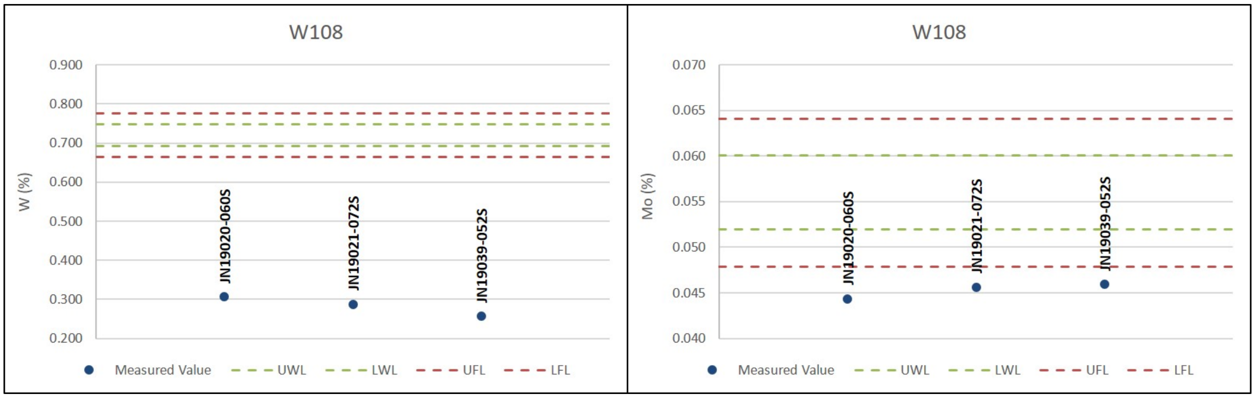


Table 4 - DDH: Summary of Significant Intersections

Hole ID	From (m)	To (m)	Interval (m)	Au (g/t)	Sample Sequence
JN19020	165.0	180.4	15.4	1.5	JN19020-034 to JN19020-049
including	178.3	179.5	1.2	10.5	JN19020-048
JN19021	250.5	253.8	3.3	1.3	JN19021-042 to JN19021-045
including	253.0	253.8	0.8	3.5	JN19021-045
JN19031	No Significant Results				
JN19039	35.5	45.0	9.5	0.2	JN19039-014 to JN19039-020
including	38.0	39.7	1.7	0.5	JN19039-016
and	52.0	59.3	7.3	0.4	JN19039-024 to JN19039-034
including	58.7	59.3	0.6	1.8	JN19039-034

The correlation matrix displayed in Table 5 was calculated using ioGAS Advanced Exploratory Geochemical Data Analysis software using the Spearman method. From the POW Zone drill core sampling in 2011, 2012 and 2019 a clear relationship can be observed between Au and Bi-Te with a weaker correlation to Sb. The metal assemblage observed at the POW zone is interpreted to be an IRGS signature, and in general conforms to the predicted geochemical zonation of IRGS deposits as proposed by Hart and Goldfarb (2005).

Table 5 - Correlation Matrix of 2011-2019 Drill Core Samples (POW Zone)

Element	Correlation
Te	**0.90**
Bi	**0.60**
Sb	**0.36**
Ag	**0.16**
As	**0.11**
Cu	**0.08**

DDH Hole Summaries

DDH JN19020: Hole Summary

Azimuth/Inclination:130°/-45°
Location: UTM Zone 09N 546182 mE, 6839625 mN
Elevation: 1444.0 m
Total Depth: 222.0 m
Drill Hole Section: Figure 15
Detailed Logs: Appendix IV

Diamond Drill hole JN19020 was successful in intersecting a mineralized skarn interval that was initially defined during the 2011 and 2012 diamond drill campaigns. The hole was designed to target a magnetic-high geophysical anomaly that is thought to represent sulphide and magnetite mineralized skarn proximal to the Justin Intrusion (Figure 9).

The hole was collared in a variably altered sedimentary package interpreted to be the Upper Member of the Yusezyu Formation, (Figure 15). The upper 107.5 m of DDH JN19020 is comprised of interbedded (meter to decameter-scale) siltstone and quartz-pebble conglomerate. The siltstone interbeds are comprised of thinly laminated siltstone with rare gradational bedding (fine-grained sandstone to siltstone). Primary sedimentary textures (dominantly soft sediment deformation textures, laminae and rare graded bedding) are moderately to well preserved. The quartz-pebble conglomerate consists of coarse sand to pebble sized clasts comprised of quartz and feldspar hosted within a very-fine grained siliceous matrix. An average bedding orientation of 347°/46° (Az/Dip) was measured for the Yusezyu Formation. Structural data was no collected deeper than 47.9 m due to a damaged orientation tool. A transitional shear zone (up to 40% well-developed gouge with intervals of brittle deformation) was intersected between 107.5 – 164.0 m. Due to the destructive nature of the shear the original rock composition was difficult to determine but is noted to change from a siliceous rock-type (likely similar to the overlying quartz-pebble conglomerate) to a calcareous rock-type (limestone?) at a depth of 117.0 m. Due to the fractured, brittle nature of the shear zone no shear orientation could be determined. Directly underlying the shear zone is a zone of massive sulphide replacement (163.4-166.9 m) which transitions into a moderately mineralized banded skarn cross-cut by quartz-feldspar porphyry (QFP) intrusion between 178.2-185.5 m. Underlying the skarn interval is a zone interbedded siltstone and fine-grained sandstone intervals.

Alteration in the upper 107.5 m of the holes is dominated by selective clay alteration of the feldspar grains and felspar component of the matrix of the Yusezyu sedimentary package. Patchy to stratabound intense silica alteration causing annealed grain boundaries occurs within the quartz-pebble conglomerate and postdates earlier clay alteration. Late stage carbonate cement (replacement of matrix clays) and carbonate veinlets are common throughout the interval. Pervasive Skarn alteration was observed between 166.9-185.5 m. Skarn alteration was split into two distinct alteration types: prograde skarn which is comprised of dark green to grey pyroxene rich bands with cm-scale pink-red garnet-rich bands and retrograde skarn which is a partial to complete clay and Fe-carbonate alteration of the prograde skarn rock types. The retrograde skarn typically has well preserved banding structures and the crystal structure of coarsely crystalline garnet is typically moderately preserved. Prograde alteration is most commonly associated with mineralization of magnetite (dominantly vein-hosted with rare disseminated magnetite) and partial to complete replacement by massive and semi-massive sulphide (pyrrhotite – pyrite ± chalcopyrite).

Mineralization in DDH JN19020 occurs in two styles: as blebby polymetallic mineralization (pyrrhotite-pyrite-bismuthinite ± tellurides) hosted in quartz-feldspar-carbonate veinlets (most significant intersections between 174.0-175.0 and 178.3-179.5) and as semi-massive to massive sulphide replacement of skarn (most significant intersection between 163.7-166.9 m) and. Significant gold results from samples of quartz-feldspar-carbonate veinlets correlate with increased bismuth concentrations (refer to Table 5). Mineralized veinlets were typically at a shallow angle to the core axis. Sample JN19020-044 returned 2.86 g/t Au and 373 ppm Bi. The most significant results were reported in sample JN19020-049 which returned 10.5 g/t Au, 983 ppm Bi, and 713 ppm Cu. The zone of semi-massive to massive sulphide replacement (pyrrhotite-pyrite ± chalcopyrite) is oriented perpendicular to core axis. The interval returned results ranging from 3200.0- 6790.0 ppm Cu (samples JN19020-030 to JN19020-32) and up to 152.5 ppm Bi and 1.1 g/t Au (sample JN19020-038). True thickness of the veinlet is approximately 10-20 mm.

DDH JN19021: Hole Summary

Azimuth/Inclination:130°/-48°
Location: Zone 09N 546184 mE, 6839726 mN
Elevation: 1436 m
Total Depth: 303.0 m
Drill Hole Section: Figure 16
Detailed Logs: Appendix IV

DDH JN19021 was designed as an approximate 140 m step-out and undercut of JN12011, which intersected a zone of highly anomalous Au and Cu, to further test a magnetic high anomaly and test the down-dip mineralization potential of the skarn. DDH JN19021 was collared in an interval of interbedded laminated to massive siltstone (variably calcareous) and very coarse sand to pebble-sized quartz pebble conglomerate of the Upper Member, Yusezyu Formation (10.9-204.5 m) (fFigure 16). See siltstone and quartz pebble conglomerate descriptions from the previously described hole (DDH JN19020). While largely unmineralized, thin interbeds of intense skarn alteration (see previous hole for alteration descriptions) were intersected between 111.9-114.0 m and 139.4-147.6 m and 139.4-147.0 m (Plate 7). Directly underlying the skarn is a shear zone comprised of weakly to moderately healed breccia and well-developed calcareous fault gouge between 204.5-246.0 m (Plate 8). This extensive shear zone is interpreted to be the same structure that directly overlies the mineralized zone intersected in the previous hole, JN19020. Similar to the previous hole, a zone of massive sulphide (pyrrhotite-pyrite-chalcopyrite) was intersected between 246.0-249.6 m, transitioning into a mineralized banded skarn (pyroxene-garnet rich) interval with partial to near-complete replacement by banded sulphides (249.6-253.8 m). Underlying the skarn is a zone of variably altered and mineralized laminated siltstone and very fine-fine grained sandstone. Minimal Structural measurements could be recorded from DDH JN19021 due to a malfunctioning tool at the top of the hole and a reduction of core size from HQ to NQ at 252.0 m (reduced to help manage tight hole conditions).

Alteration in the top of the hole (10.9-104.3 m) is dominated by early patchy silica flooding of the Yusezyu Formation sedimentary package resulting in thin, hard zones of silicified QPC followed by moderate to intense alteration of remaining feldspar clasts to clay. Intense prograde skarn alteration was intersected between 137.4-147.5 and 248.6-253.8. Skarn alteration consists of alternating dark green pyroxene-rich bands with cm-scale bands of medium to very coarsely crystalline garnet-rich bands, calc-silicate alteration halos (mm-scale) are common along vein margins in skarn intervals. Magnetite-bearing veinlets are commonly observed in mineralized skarn zones (248.6-253.8 m). Underlying the zones of skarn alteration is weakly to moderately clay altered Yusezyu sedimentary package.

Similar to the previous hole, mineralization occurs in two distinct styles. Blebby mineralization (pyrite-pyrrhotite ± arsenopyrite, chalcopyrite, bismuthinite, molybdenite, telluride) hosted within quartz-feldspar-carbonate veinlets (<10 cm) and as zones of partial to pervasive sulphide replacement (pyrrhotite-pyrite ± chalcopyrite) of prograde skarns. The most significant mineralized intersections are summarized in Table 4. Previously unrecognized sulphide (pyrite-arsenopyrite-galena) mineralized veinlets were intersected between 16.8-26.0 m (Plate 6). Samples across the veinlets returned 60 to >10,000 ppm As, 7.8-238.0 ppm Pb and 31.0-222.0 ppm Zn (Samples JN19021-001 to -003). No significant gold results were returned from the mineralized vein samples. The most economically significant mineralized intersection was between 246.0-253.8 m (massive to semi-massive sulphide replacement of skarn, refer to Plate 9). Samples returned results ranging from 0.2-3.5 g/t Au (samples JN19020-042 to

-045), 1355.0 – 7130.0 ppm As (samples JN19020-037 to -045), 113.5-1505.0 ppm Bi (samples JN19020-040 to -045).

DDH JN19031: Hole Summary

Azimuth/Inclination:080°/-45°
Location: Zone 09N 546902 mE, 6839235 mN
Elevation: 1435
Total Depth: 309.0 m
Drill Hole Section: Figure 17
Detailed Logs: Appendix IV

DDH JN19031 was collared in the POW East Zone, targeting the previously untested "Wedge" magnetic high anomaly (refer to Figure 8). This anomaly in situated in the valley bottom and constrained by the Justin Fault to the West and the Little Hyland Fault to the North-Northeast. The target is interpreted to be a sheared offset of the main POW zone magnetic anomaly tested in the previously described drill holes. Similar to previous holes JN19031 was collared in interbedded sequence of siltstone and quartz pebble conglomerates of the Yusezyu Formation (Figure 17). Bedding was measured to have an average orientation of 265°/68° (Az/Dip). Several zones of Quartz Feldspar Porphyry (QFP) intrusions were observed to cross-cut the sedimentary package, discordant to bedding (refer to Plate 11).

Unlike the previous holes drilled at POW West no zones of skarn alteration were observed. Alteration in DDH JN19031 was dominated by an early stage of moderate to intense silica alteration followed by clay alteration of feldspar clasts in the Yusezyu Formation sediments. Mineralization in DDH JN19031 is hosted within discrete mm-scale quartz-carbonate veinlets (pyrite-arsenopyrite) as well as within a hydrothermal breccia matrix proximal to QFP intrusions (Plate 10). Samples from the mineralized breccia matrix returned the most significant results including 3.5-19.9 g/t Ag, 83.3-346.0 ppm Cu, 1170.0-8330.0 ppm Pb and 90.0- >10,000 ppm Zn (samples JN19031-076 to -078). DDH JN19031 did not return any economically significant Au results.

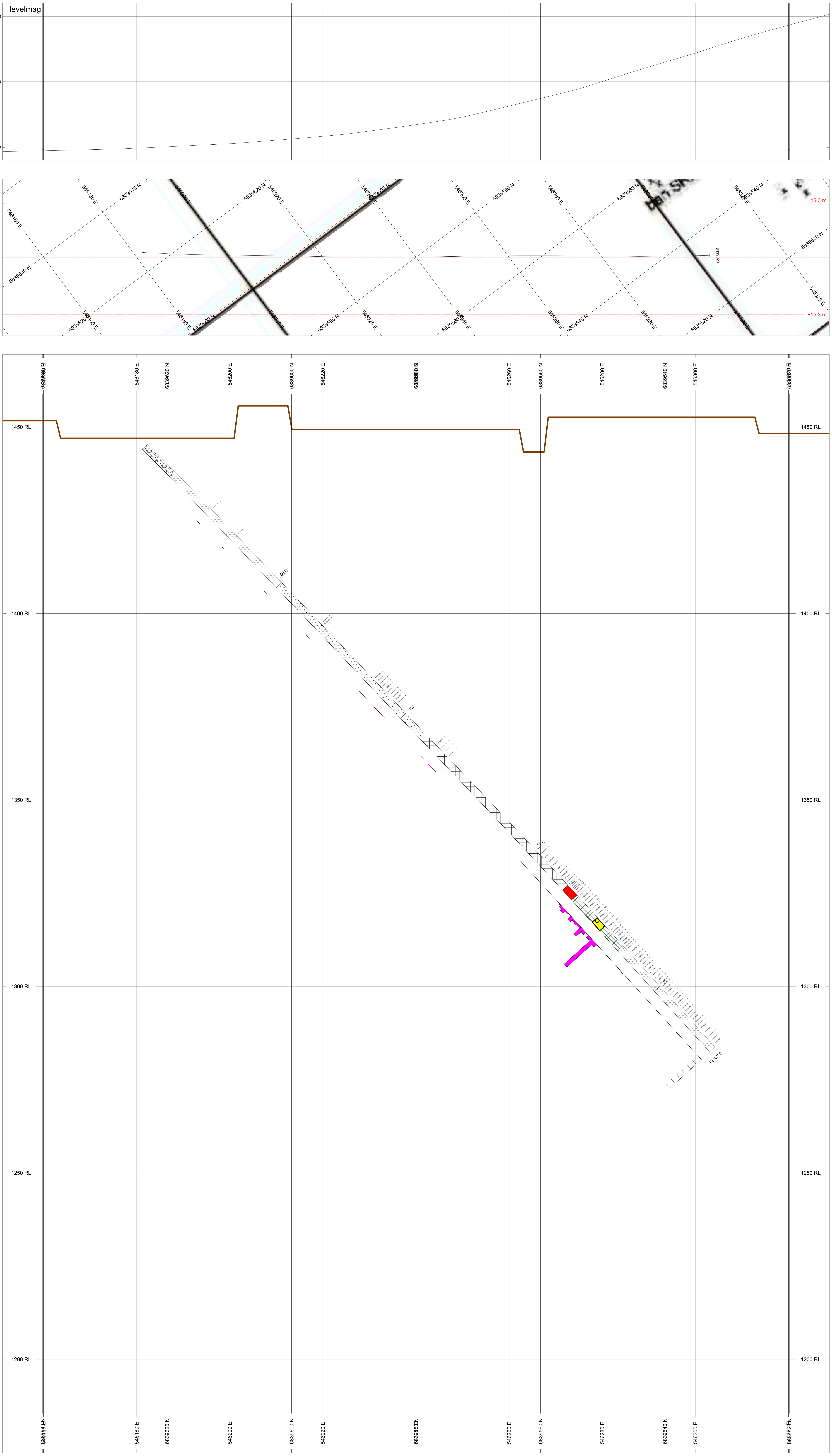
DDH JN19039: Hole Summary

Azimuth/Inclination: 260°/-45°
Location: Zone 09N 546190 mE, 6839239 mN
Elevation:1435
Total Depth: 126.0 m
Drill Hole Section: Figure 17
Detailed Logs: Appendix IV

DDH JN19039 was drilled on the same pad as JN19031. The drill was spun to an orientation of 260°/-45° to target the Justin Fault, testing for fault mineralization potential as well as targeting the Justin Intrusion, testing the gold mineralization potential of sheeted veins that were shown to carry gold during historical surface trenching programs. DDH JN19039 was collared in the Upper Member of the Yusezyu Formation which is comprised of meter to decameter intervals of interbedded laminated to massive siltstone, bedded to massive sandstone and bedded to massive quartz-pebble conglomerate (3.5-38.6 m) (Figure 17). The Justin Fault (38.6-51.3 m) consists of a partially healed fault breccia with cm-scale angular clasts made up of laminated siltstone and medium grained sandstone (Plate 12). The breccia matrix is comprised of siliceous particulate. The base of the shear zone (50.8-51.3 m) is made up of well-developed fault gouge. The hole intersected the Justin Intrusion at a depth of 51.3 m. The granodiorite intrusion is porphyritic with anhedral to subhedral, quartz dominant and lesser feldspar phenocrysts, biotite increases downhole giving the unit a “salt and pepper” appearance.

Alteration of the uppermost sediments in DDH JN19039 is dominated by an initial stage of moderate to intense silica alteration (very hard, annealed grain boundaries) followed by partial clay alteration of feldspar clasts, locally concentrated along fracture margins. Some weak carbonate alteration of the fault gouge is noted in the Justin Fault. Sericite alteration of feldspars and alteration of biotite is moderate to strong at the intrusion margin (51.3-64.3 m) and decreases in intensity downhole. Clay alteration of feldspar phenocrysts and feldspar component of the groundmass is common near the intrusion contact (51.3-53.0 m).

Veins in the overlying Yusezyu Formation are typically mm-scale quartz-feldspar-calcite with variable alteration, due to the fractured nature of the shear zone, oriented core measurements were not possible. Blebby to semi-massive sulphide mineralization is common in the shear zone veinlets. Assays from the Justin Fault returned 0.2 g/t Au over 9.5 m. Sheeted quartz-carbonate veins (average 1-5 cm true thickness; average orientation 080°/47°) hosted within the Justin Intrusion decrease in density from approximately 10 veins/m at the intrusion contact to 1 vein/m at the bottom of the hole (Plate 13). The sheeted veins are comprised of quartz-feldspar-carbonate and are variably mineralized with pyrite-pyrrhotite±bismuthinite-tellurium-molybdenite-gold-scheelite. Assays from the sheeted veins returned 0.4 g/t Au over 7.3 m (Samples JN19039-027 to -034). The most significant results are reported from sample JN19039-034 (58.7-59.3m), which returned 1.82 g/t Au, 715 ppm Bi, 283 ppm As, and 640 ppm W.



TOPOGRAPHY
w001001.adf

BAR GRAPHS	L/R	COL	RANGE
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ROCK CODES	PAT	LABEL	DESCRIPTION
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		overburden	OVB
		quartz pebble conglomerate	QPC
		siltstone	SLT
		skarn	SKN
		quartz feldspar porphyry	QFP
		gouge	

ASSAYS	L/R	TEXT
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POSTED TEXT	L/R	TEXT	ITEMS
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TOLERANCE +/-	15.3 m	

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(m)

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*unknown

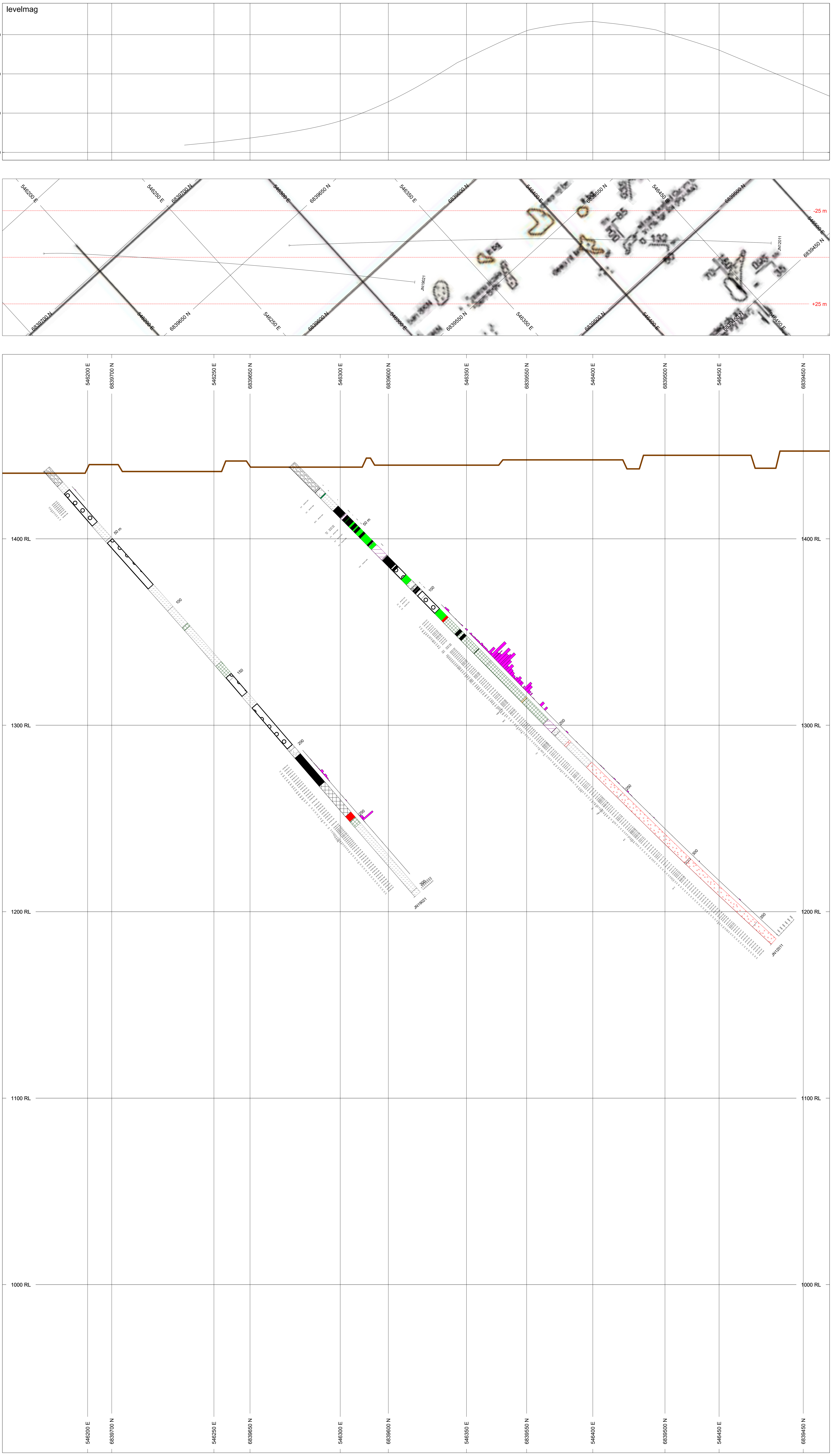
AZIMUTH = 126.8°

N W E S

Aben Resources

Justin Property

JN19020



TOPOGRAPHY

w001001.adf

BAR GRAPHS	L/R	COL	RANGE
au_ppb	R		0

ROCK CODES	PAT	LABEL	DESCRIPTION
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		calcareous siltstone	CSS
		fault	FLT
		granodiorite	GRD
		hornfels	HFL
		lost	LOS
		massive sulphide	MAS
		overburden	OVB
		quartz pebble conglomerate	
		sandstone	SST
		siltstone	SLT
		skarn	SKN
		vein	VEN
		RGS	RSK
		breccia	
		gouge	

ASSAYS	L/R	TEXT
au_ppb	L	-------

POSTED TEXT	L/R	TEXT	ITEMS
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SECTION SPECS:

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TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 132.4°

N W E S

Aben Resources

Justin Property

JN19021 & JN12011


levelmag
58000
57950
57900
6839250 N
6839200 N
6839300 N
-25 m
+25 m
546800 E
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546900 E
546950 E
547000 E
547050 E
547100 E
547150 E
6839250 N
1400 RL
1300 RL
1200 RL
1100 RL
1000 RL
JN19039
JN19031
TOPOGRAPHY
w001001.adf
BAR GRAPHS L/R COL RANGE
au_ppb R 0
ROCK CODES PAT LABEL DESCRIPTION
lith_maj
calcareous siltstone CSS
granodiorite GRD
overburden OVB
quartz pebble conglomerate
sandstone SST
siltstone SLT
quartz feldspar porphyry QFP
breccia
gouge
ASSAYS L/R TEXT
au_ppb L -------
POSTED TEXT L/R TEXT ITEMS
samp_num L ------- All
SECTION SPECS:
REF. PT. E, N 546973 m 6839250 m
EXTENTS 443.5 m 589.1 m
SECTION TOP, BOT 1499 m 909.8 m
TOLERANCE +/- 25 m
SCALE 1 : 1000
(m)
-10 0 10 20 30 40
*unknown
AZIMUTH = 80°
N
W
E
S
Aben Resources
Justin Property
Figure 17 - JN19031 & JN19039

Plate 1 - Laminated siltstone, Yusezyu Formation. DDH JN19020: 70.5 m.

Plate 2 - Partially clay altered Quartz Pebble Conglomerate, Yusezyu Formation. DDH JN19020: 71.0 m.

Plate 3 - Semi-massive to massive sulphide replacement of skarn, Yusezyu Formation. DDH JN19020: 167.7 m.

Plate 4 - Type photo of banded skarn, Yusezyu Formation. Coarse to very-coarsely crystalline red-pink garnets are common. DDH JN19020:174.8

Plate 5 – Box photo showing sample JN19020-048 (between red lines) which returned 10.5 g/t Au, 983 ppm Bi, and 983 ppm Cu. DDH JN19020: 178.60-184.22 m, boxes 49-51.

Plate 6 – Semi-massive sulphide mineralization of quartz-carbonate veinlets hosted in quartz-pebble conglomerate, Yusezyu Formation. DDH JN19021: 19.2 m

Plate 7 – Type photo of intense clay alteration of banded skarn (retrograde). DDH JN19021:145.0 m.

Plate 8 – Type photo of an intensely altered shear zone. DDH JN19021: 210.2 m.

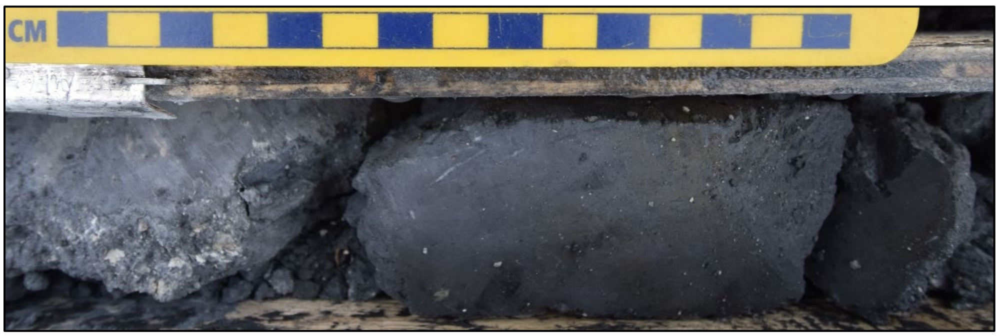


Plate 9 – Semi-massive sulphide (pyrrhotite-pyrite ± chalcopyrite) of pyroxene-rich skarn. DDH JN19021: 250.1 m.

Plate 10 – Polymetallic mineralization (Pyrite-pyrrhotite-arsenopyrite-galena-sphalerite) of quartz veinlets and breccia cement. DDH JN19031 254.4 m.

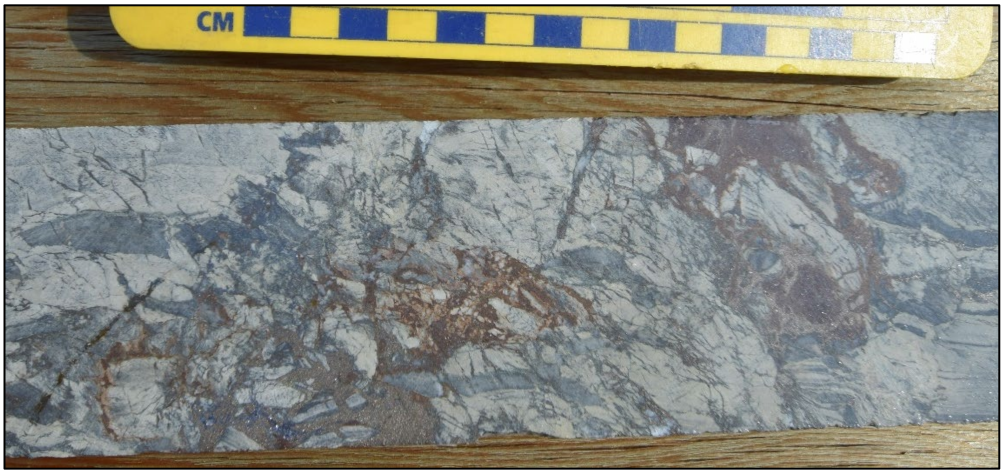


Plate 11 – Quartz-Feldspar Porphyry Intrusion (QFP). DDH JN19031: 255.2 m.

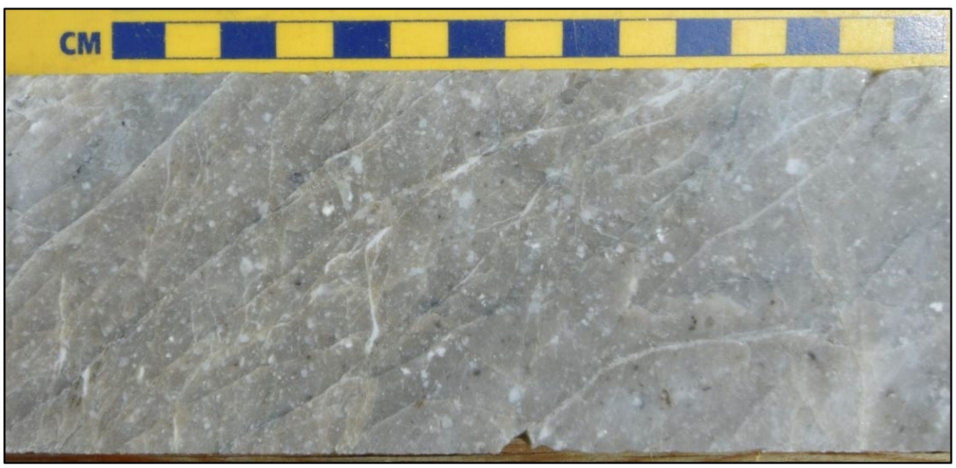


Plate 12 – Box photos showing the brecciation sheared nature of the Justin Fault. DDH JN19039: 39.85 – 45.29 m, Boxes 14 and 15.

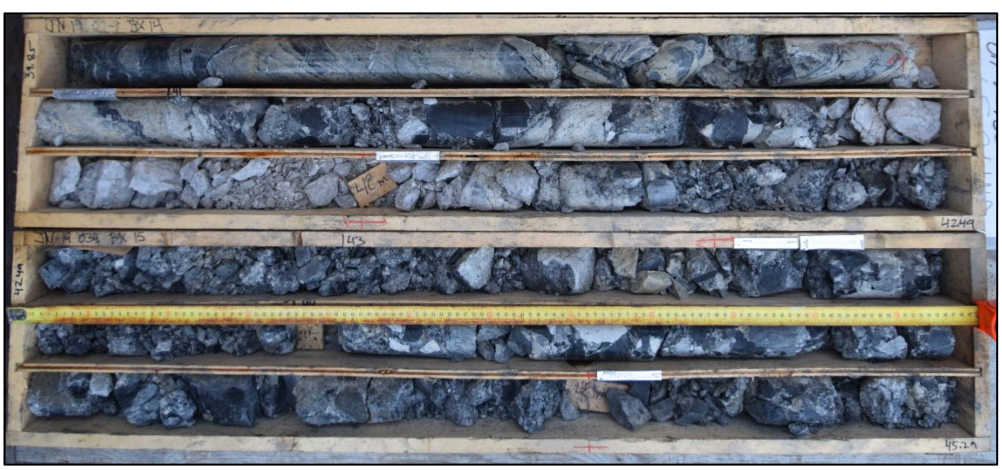


Plate 13 – Dark grey molybdenite mineralization occurs along the margin of sheeted veinlets. Veinlets are hosted within granodiorite of the Justin Intrusion. DDH JN19039: 55.1 m.

2019 Rotary Air Blast (RAB) Drill Program

Twenty Rotary Air Blast holes, totalling 592.1 m, were completed during the 2019 field program (Refer to Figures 8 and 9 for collar locations, Table 3 for detailed collar information). The majority of the drilling (16 holes totalling 461.8 m) was completed at the Lost Ace Zone (Quartz Claim YD87913) and the remaining four holes were drilled at the POW Zone (Quartz Claim YD65452). At the Lost Ace Zone, the main objective was to test for continuity of sulphide and high-grade gold mineralization discovered during the 2017 and 2018 surface trenching programs. Additional RAB drilling at the POW Zone was completed after diamond drilling revealed previously unrecognized near-surface sulphide mineralization. The RAB drill, supplied and operated by Ground Truth Drilling Inc (Dawson City, YT), is track-mounted with a stationary 300/200 compressor capable of producing up to 100-meter holes at an inclination of no less than -50°. All holes were drilled using NW diameter casing and NQ diameter drill rods. Ground conditions were not favourable for moving the RAB drill using the tracks so helicopter support was required for moving between drill pads. Drill supervision and collection of all geological data was completed by TerraLogic Exploration employees Paul Stewart (Geologist), Mat Lister (Geotechnician) and Dave Roberts (Geotechnician). A total of 426 samples (including QA/QC samples inserted into the sample stream) were collected and submitted to ALS Labs in Whitehorse, YT for analysis. Significant intersections are listed below in Table 6. All sample intervals in the following sections are reported as drill widths and are not considered true widths unless otherwise indicated. Most holes at the Lost Ace Zone and the POW Zone encountered significant artesian ground water flow from the collar which would impede drilling rates and decrease hole stability. Bentonite was used to successfully plug all holes before moving the drill off each pad.

Table 6 - RAB: Summary of Significant Intersections

Hole ID	Target Zone	From (m)	To (m)	Interval (m)	Au (g/t)	Sample Sequence
JN19022	Lost Ace	19.8	27.4	7.6	**0.3**	JN19022-014 to JN19022-018
JN19023	Lost Ace	16.8	18.3	1.5	**0.1**	JN19023-012
JN19024	Lost Ace	No Significant Results				
JN19025	Lost Ace	No Significant Results				
JN19026	Lost Ace	19.8	21.3	1.5	**0.9**	JN19026-014
JN19027	Lost Ace	No Significant Results				
JN19028	Lost Ace	18.3	25.9	7.6	**0.2**	JN19028-013 to JN19028-017
JN19029	Lost Ace	12.2	15.2	3.0	**0.5**	JN19029-009 to JN19029-010
JN19030	Lost Ace	4.6	6.1	1.5	**0.2**	JN19030-004
JN19032	Lost Ace	4.6	6.1	1.5	**0.1**	JN19032-004
JN19033	Lost Ace	4.6	6.1	1.5	**0.1**	JN19033-004
JN19034	Lost Ace	No Significant Results				
JN19035	Lost Ace	No Significant Results				
JN19036	Lost Ace	0.0	1.5	1.5	**0.1**	JN19036-001
JN19037	Lost Ace	6.1	7.6	1.5	**0.3**	JN19037-005
JN19038	Lost Ace	No Significant Results				
JN19040	POW	No Significant Results				
JN19041	POW	No Significant Results				
JN19042	POW	29.0	30.5	1.5	**0.2**	JN19042-020
JN19043	POW	No Significant Results				

2019 RAB Drilling: The Lost Ace Zone

The main objective of the 2019 RAB drilling program was to follow up on significant surface geochemistry results (both gold-in-soil and highly anomalous gold grain counts) from 2017 and highly anomalous gold concentrations reported in the assays from the 2018 surface trenching program (gold returned up to 20.8 g/t over 4.4 m, including 88.2 g/t over 1.0 m). The drill holes were designed to test the contact of interest along strike, as well as test the down-dip mineralization potential. A total of 16 RAB holes were drilled from 7 drill pads (Figure 9). Only significant results will be discussed in this section. Refer to Appendix IV for all geologic data, Appendix V for all drill sections and Appendix VI for assay certificates. In this section the term 'grit' refers to a unit of sand to gravel sized quartz-pebble conglomerate that is typically moderate to intensely silica altered and comprised of quartz-feldspar clasts in a silica-rich matrix.

RAB JN19022 (Figure 18) was collared into a grit interval between 3.0-24.8 m which directly overlies a zone of predominantly phyllite (with possible thin interbeds of grit). The relative concentration of veined material in the samples increases down-hole approaching the grit-phyllite contact (18.3- 24.8 m). The density of quartz veins stays high into the phyllite. Pyrite ± arsenopyrite mineralization was observed between 10.7 – 30.5 m, with the highest concentrations (1-2% combined sulphides) occurring proximal to the lithologic contact between 22.9-25.9 m. The increased concentrations noted during visual logging correlates with the returned assay results. The best intersection returned 7.6 m of 0.3 g/t Au (Sample JN19022-014 to -018, 19.8-27.4 m) including 0.9 g/t Au over 1.5 m (Sample JN19022-016, 22.9-24.4 m). The best grades here are consistent with surface observations that the gold correlates with patchy pyrite-arsenopyrite ± scorodite.

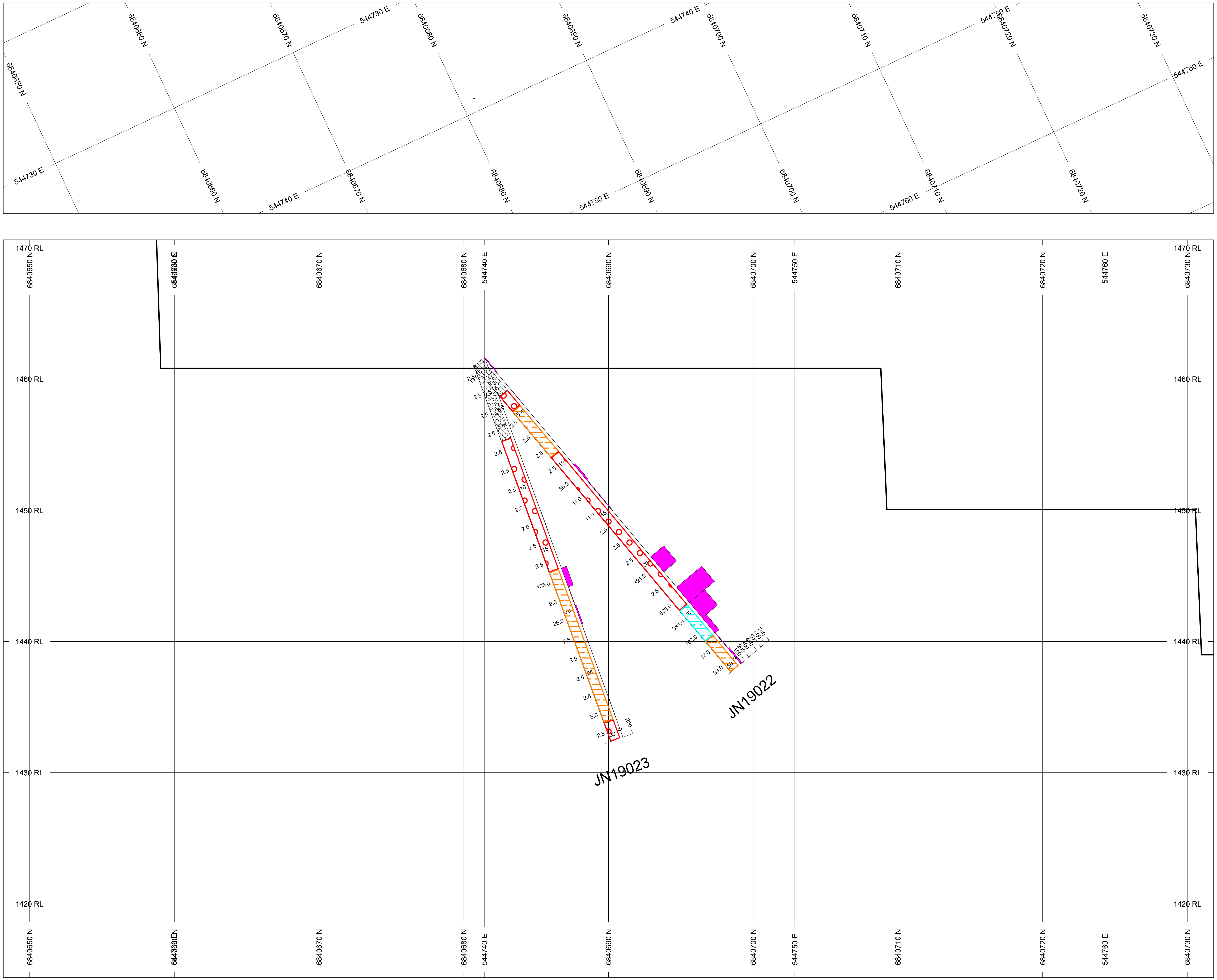
RAB JN19026 (Figure 19) was collared in a zone of interbedded phyllite (80-90%) and grit (10-20%) directly overlying a zone of grit between 9.1 to 19.8 m depth. Consistent with surface observations visual logging of the sample chips show that quartz vein material (typically hosting blebby sulphide mineralization) increases towards the grit-phyllite contact intersected at approximately 19.8 m depth. The mineralized interval (10.7-30.5 m) contained trace finely disseminated sooty pyrite ± arsenopyrite. Mineralization increases in intensity at the contact with 1-2% combined sulphides (finely disseminated to euhedral pyrite-arsenopyrite observed in cuttings) between 19.8-24.4 m. Assays returned results of 0.9 g/t over 1.5 m (Sample JN19026-014, 19.8-21.3 m).

RAB JN19029 (Figure 20) was also collared into a unit of grit. The contact with the underlying phyllite was intersected at approximately 7.6 m, underlying the phyllite is a zone of interbedded phyllite, siltstone and quartz-pebble conglomerate. Similar to the other holes drilled at the Lost Ace, the concentration of quartz vein material was highest near the contact of interest (top of hole to approximately 12.2 m depth). Mineralization in the hole was dominated by finely disseminated pyrite ± arsenopyrite. Combined sulphide concentrations increased at the grit-phyllite contact up to 2% which does not appear to correlate with the increased gold values in the assays. Anomalous gold concentrations in this hole occur at the base of phyllite unit. The shift in the position of the mineralized contact when compared to previous holes may be evidence that multiple grit-phyllite contacts can host discrete pods of mineralization, or this may be potential evidence of sampling contamination due to unfavorable ground conditions (significant groundwater flow).

2019 RAB Drilling: The POW Zone

An additional four RAB holes totaling 130.3 m were drilled at the POW zone (Figure 8). The holes were completed as part of an extended RAB drilling program and were designed to test the mineralization potential of near-surface polymetallic (pyrite-pyrrhotite ± arsenopyrite-galena) first intersected in diamond drill hole JN19021 (see previous hole summary for vein descriptions). Similar to the RAB drilling at the Lost Ace the POW Zone holes encountered significant ground water resulting in unstable hole conditions and questionable sample integrity.

RAB JN19042 (Figure 21) is the only hole at the POW zone to return significant results. The hole was collared in a siltstone interval of the Yusezyu Formation, underlying the siltstone is an interval of quartz pebble conglomerate (30.5-39.6). Concentration of vein material in the samples is variable throughout the hole and does not appear to correlate with increased sulphide concentration in visual logging. 1-2% combined sooty sulphides (pyrite-arsenopyrite) was intersected between 27.4-33.5 m. Sample results returned 0.2 g/t Au over 1.5m (Sample JN19042-020, 29.0-30.5 m).



TOPOGRAPHY

w001001.adf

BAR GRAPHS	L/R	COL	RANGE
au_ppb	R		Min 0 Max 1000

ROCK CODES	PAT	LABEL	DESCRIPTION
lith_detail		overburden	OVB
		QPC	
		Mixed QPC - phyllite	
		Mixed phyllite - QPC	

ASSAYS	L/R	TEXT
au_ppb	L	-------

SECTION SPECS:

REF. PT. E, N	544744 m	6840690 m
EXTENTS	92.28 m	56.23 m
SECTION TOP, BOT	1471 m	1414 m
TOLERANCE +/-	12.5 m	

SCALE 1 : 200

(m)

-1 0 1 2 3 4 5 6

*unknown

AZIMUTH = 25°

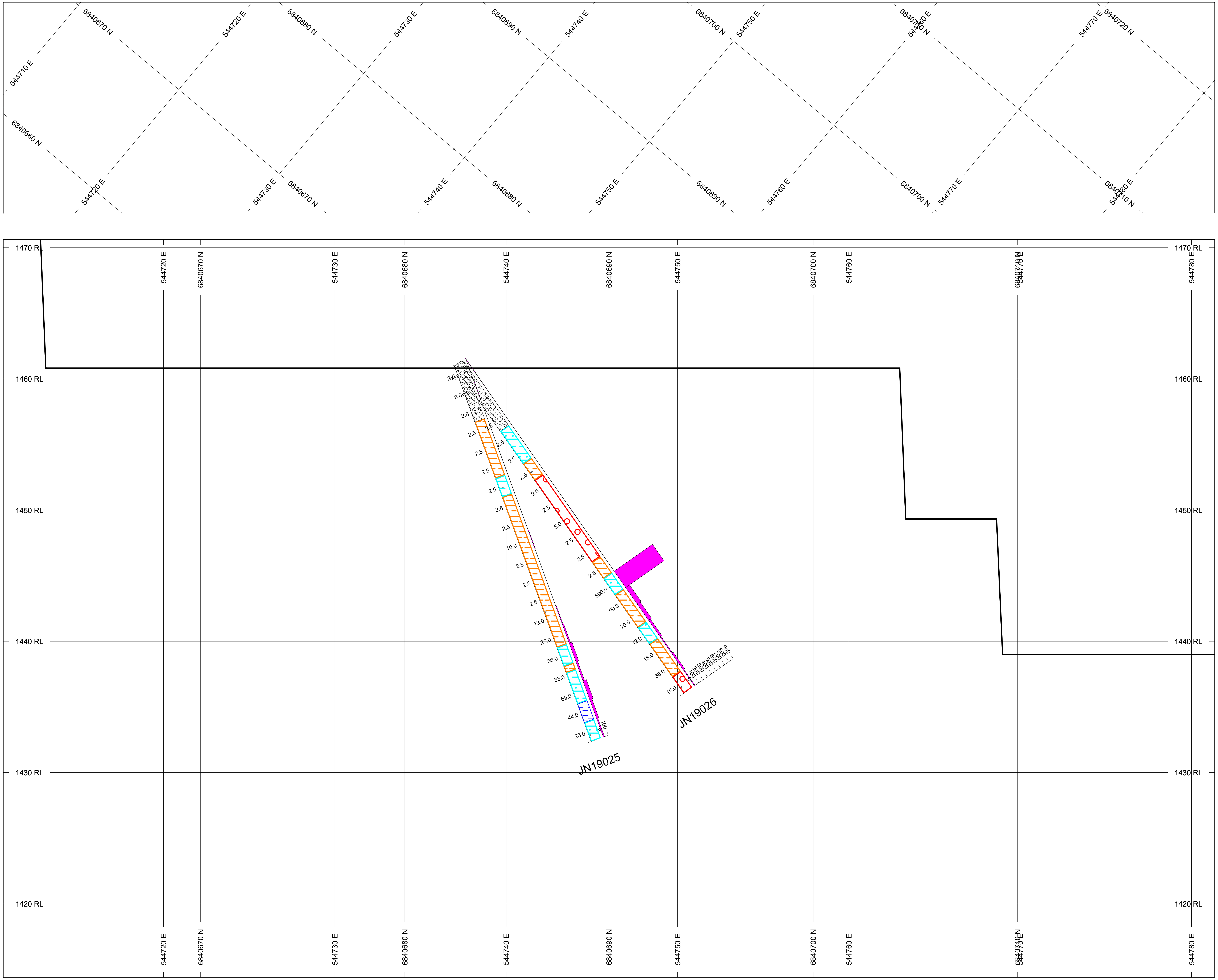
N W E S

Aben Resources Ltd.

Justin Property

Lost Ace

Figure 18 - JN19022



TOPOGRAPHY
w001001.adf

BAR GRAPHS	L/R	COL	RANGE
au_ppb	R		Min 0 Max 1000

ROCK CODES	PAT	LABEL	DESCRIPTION
lith_detail		overburden	OVB
		phyllite	
		QPC	
		Mixed QPC - phyllite	
		Mixed phyllite - QPC	

ASSAYS	L/R	TEXT
au_ppb	L	-------

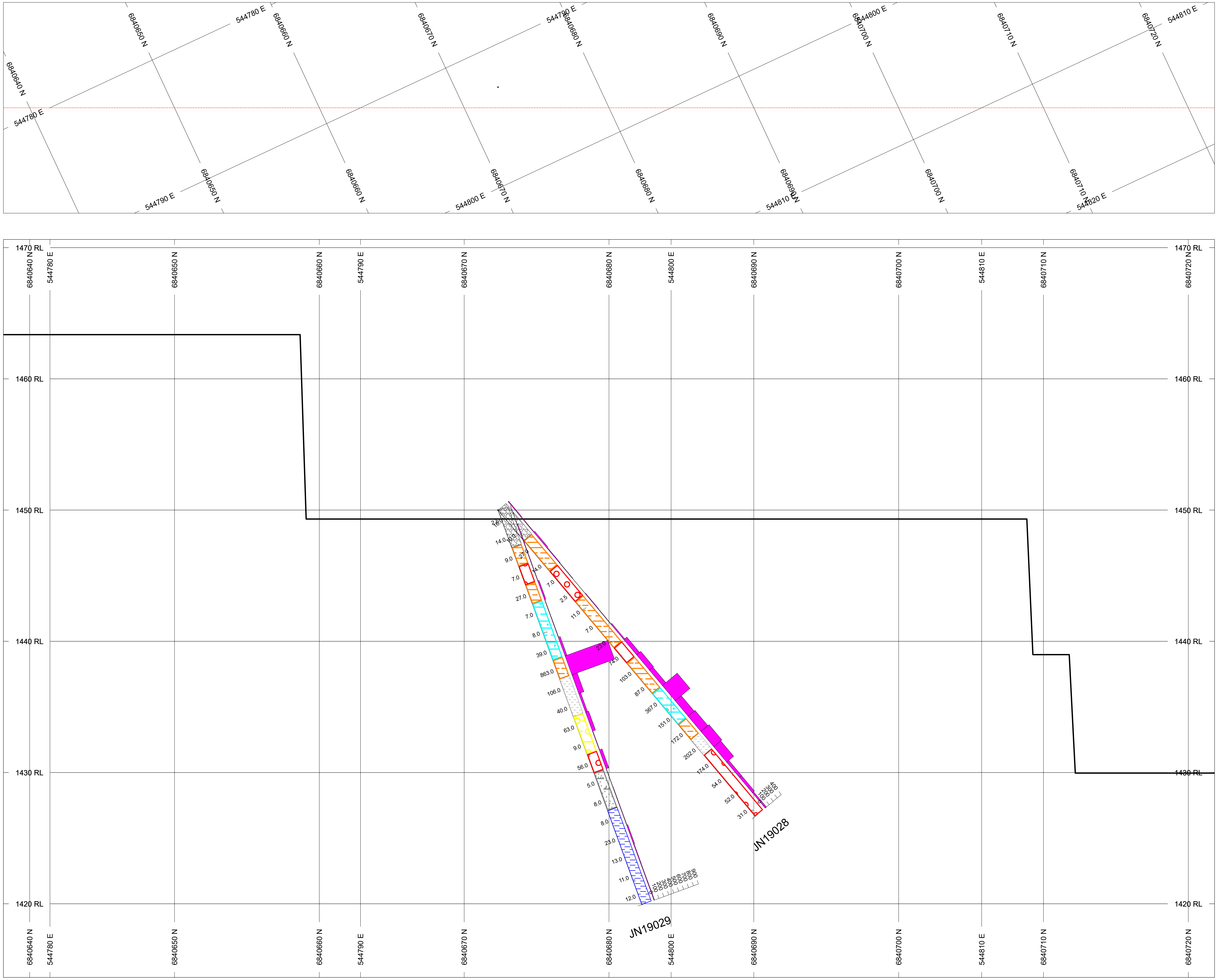
SECTION SPECS:

REF. PT. E, N	544746 m	6840690 m
EXTENTS	92.28 m	56.23 m
SECTION TOP, BOT	1471 m	1414 m
TOLERANCE +/-	12.5 m	

SCALE 1 : 200
(m)
-1 0 1 2 3 4 5 6
*unknown

AZIMUTH = 50°
N W E S

Aben Resources Ltd.
Justin Property
Lost Ace
Figure 19 - JN19026



TOPOGRAPHY

w001001.adf

BAR GRAPHS	L/R	COL	RANGE
au_ppb	R		Min 0 Max 1000

ROCK CODES	PAT	LABEL	DESCRIPTION
lith_detail		overburden	OVB
		siltstone	SLT
		phyllite	
		QPC	
		QPC_phyllite	
		QPC_siltstone	
		phyllite_QPC	
		siltstone_QPC	

ASSAYS	L/R	TEXT
au_ppb	L	-------

SECTION SPECS:

REF. PT. E, N	544798 m	6840680 m
EXTENTS	92.28 m	56.23 m
SECTION TOP, BOT	1471 m	1414 m
TOLERANCE +/-	12.5 m	

SCALE 1 : 200

(m)

-1 0 1 2 3 4 5 6

*unknown

AZIMUTH = 25°

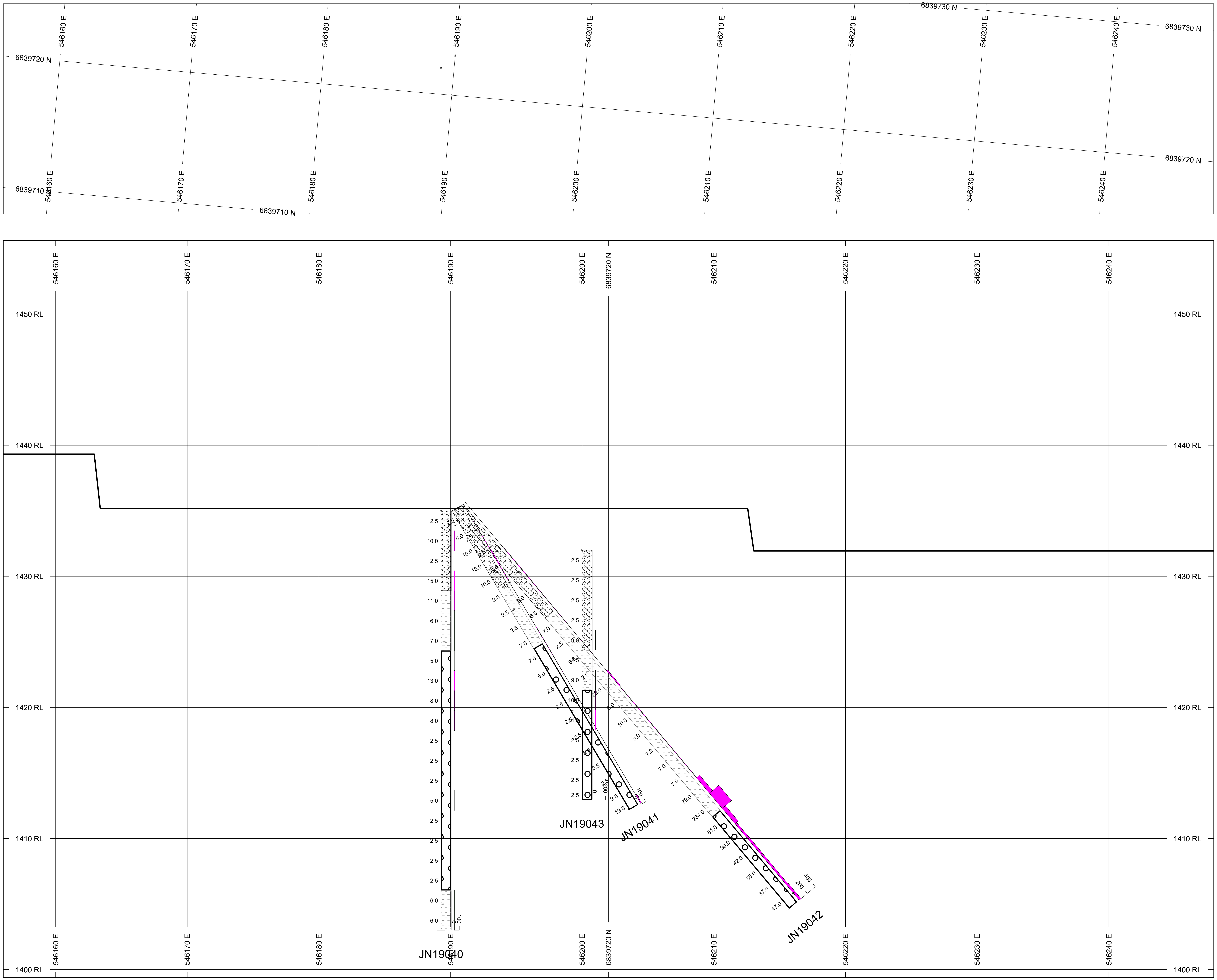
N W E S

Aben Resources Ltd.

Justin Property

Lost Ace

Figure 20 - JN19029



TOPOGRAPHY
w001001.adf

BAR GRAPHS	L/R	COL	RANGE
au_ppb	R		Min 0 Max 1000

ROCK CODES	PAT	LABEL	DESCRIPTION
lith_maj		overburden	OVB
		quartz pebble conglomerate	
		siltstone	SLT

ASSAYS	L/R	TEXT
au_ppb	L	

SECTION SPECS:

REF. PT. E, N	546202 m	6839720 m
EXTENTS	92.28 m	56.23 m
SECTION TOP, BOT	1456 m	1399 m
TOLERANCE +/-	12.5 m	

SCALE 1 : 200
(m)
-1 0 1 2 3 4 5 6
*unknown

AZIMUTH = 85°
N
W E
S

Aben Resources Ltd.
Justin Property
POW Zone
Figure 21 - JN19042

DISCUSSION & CONCLUSIONS

The 2019 diamond drilling program at the POW West Zone was successful in intersecting zones of massive sulphide and mineralized skarn, targeting previously untested magnetic-high anomalies and completing step-out holes to test the down-dip continuity of mineralized zones first discovered during the 2011 and 2012 drill programs. The 2019 program also tested the POW Zone 'wedge' magnetic anomaly, mineralization potential of the Justin Fault and Justin Intrusion. Drilling conditions during the field period were sub-optimal as crews had to battle thick shear zones negatively affecting hole stability and significant artesian flow of groundwater. Each hole was plugged with a Van-Ruth Plug in a zone of component bedrock above the water table and grouted to surface. All flow was stopped before the drill rig was removed from the pad. Below is a description of each target.

- DDH JN19020 was successful in intersecting a zone of highly magnetic massive to semi-massive sulphide (pyrrhotite-pyrite ± chalcopyrite) replacement of skarn (163.4-166.9m) that corresponds with the targeted magnetic high. A cm-scale quartz-carbonate veinlet (oriented sub-parallel to core axis) hosting blebby bismuthinite and pyrite was intersected between 178.3-180.4. The entire zone of sulphide replacement and mineralized veinlets returned 1.5 g/t Au over 15.3 m (core length) including 10.5 g/t Au over 1.1 m.
- DDH JN19021 was a 140 m step-out from DDH JN12011 and was successful in intersecting the down-dip extension of mineralized skarn. The sulphide mineralized (pyrrhotite-pyrite ± chalcopyrite) intersection (246.0-254.8 m) returned the most favourable results including 0.9 g/t Au over 3.3 m (core length) and Cu concentrations ranging from 1355.0-7130.0 ppm (246.0-255.0 m). The results indicate that Au grades decrease as distance from the Justin Intrusion increases and more favourable Au may be located proximal to the intrusion contact.
- DDH JN19030 tested the magnetic high 'wedge' anomaly at the POW Zone East. The hole was unsuccessful in determining the source of the anomaly. No samples returned results of economic significance.
- DDH JN19039 successfully targeted the Justin Fault and Justin Intrusion for mineralization potential. A thin mineralized zone within the Justin Fault returned 0.2 g/t Au over 9.5 m. Sheeted quartz-feldspar-carbonate veins hosted within the granodiorite of the Justin Intrusion are weakly mineralized by blebby sulphide, often observed along the vein margin. Vein density decreases from approximately 10 veins/m at the intrusion contact to 1 vein/m at the bottom of the hole. The most significant intersection returned 1.82 g/t Au, 715.0 ppm Bi and 283.0 ppm As.

Several conclusions can be drawn from the work completed at the POW Zone. First, there is evidence that proximity to the Justin Intrusion directly influences the gold mineralization potential of massive to semi-massive sulphide replacement of skarn intervals. While DDH JN19021 was a technical success, proving down-dip continuity of massive sulphide mineralization, the gold grades reported are considered to be sub-economic. Additionally, assay results from DDH JN19020 show that high-grade potential exists within mineralized quartz-carbonate veinlets hosted within variably mineralized skarn intervals (pyroxene-garnet prograde skarn and clay and Fe-carbonate altered retrograde skarn). Significant concentrations of magnetic massive pyrrhotite mineralization and magnetite-bearing veinlets correspond with the targeted magnetic-high geophysical anomalies. The correlation further indicates the usefulness of magnetic geophysical surveys as an exploration tool on the Justin property. The source of the magnetic high "wedge" anomaly could not be determined, it is possible that magnetic skarn boulders at the valley bottom are responsible for the magnetic signature, however, due to the feature being bounded on either side by the inferred traces of the Justin and Hyland Faults further investigation is warranted. Mineralization within the Justin Fault at this time appears to be sub-economic while Au mineralization potential of the Justin Intrusion is best near the intrusion contact where sheeted vein density remains high. Further investigation into the sheeted veins is warranted. The geochemical signature of the mineralization at the POW Zone is consistent with an IRGS.

Rotary Air Blast drilling at the Lost Ace was successful in further defining stratigraphy and results confirm that gold mineralization typically spikes proximal to the targeted grit-phyllite contact. However, assay results from undercuts of high-grade surface gold samples returned results of little to no economic significance. This is potentially due to a combination of factors. Firstly, ground conditions were unfavorable for RAB drilling. Significant artesian groundwater flow and a high-water table resulted in sample cuttings forming a slurry making proper representative splitting difficult. Secondly, it is possible that the nature of the mineralization at the Lost Ace forms discrete 'pods' which are not continuous along strike or down-dip, which will make future targeting and drill hole planning difficult. It is recommended that significant mechanical trenching at the Lost Ace zone be completed to further define the distribution of mineralization. RAB drilling at the POW Zone further confirmed the presence of near-surface semi-massive sulphide mineralization hosted in quartz-carbonate veinlets. Assay results from the veined samples did not return significant gold concentrations. At this stage it is unclear if the veins are associated with the IRGS or if they represent a separate mineralizing event.

The soil geochemical survey produced one sample that returned an anomalous (98th percentile) gold-in-soil result (JNL055 01+50S; 42.4 ppb Au) which roughly correlates to the underlying magnetic-high anomaly. Sample JNL055 04+50S returned a Bi concentration of 5.51 ppm (>99th percentile), at the POW Zone Bi has a strong correlation to gold when targeting mineralized skarn (with similar magnetic-high signatures). The gold-in-soil result warrants further investigation of the corresponding magnetic anomaly. Prospecting completed during the 2019 program failed to generate new exploration targets

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 focussing on areas covered by the magnetic geophysics survey;
- Prospecting and mapping of geochemical anomalies;
- Trenching prospective zones of mineralization including increased trenching at the Lost Ace Zone to extend coverage along the favourable grit-phyllite contact. Significant mechanical trenches should be done to further open the contact and determine the 'pod-like' nature of the mineralization.
- Re-analysis of RAB cutting bulk samples to confirm the sampling methodology used during the 2019 program

Diamond Drilling ($1,000,000.00)

- 1,500 metres of diamond drilling which would include evaluating the following targets
  - Diamond drilling targeting cupola zones of the Justin pluton along strike and down-dip of the POW zone;
  - Diamond drilling proximal to the Just Pluton to confirm zonation of gold mineralization associated with the intrusion
  - Diamond drilling prospective skarn horizons and structural zones between the POW and Lost Ace zones.

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Appendix I

Statement of Qualifications

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 4.5 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 May-July 2019.

I have authored the assessment report titled "Technical Report for the Geological and Geochemical Program Justin Property" dated February 3rd, 2020 on behalf of Aben Resources Ltd.

Dated this 3rd day of February 2020, in Cranbrook, British Columbia.

Kerry B. Bates, M.Sc., GIT

Appendix II

Statement of Expenditures

Statement of Expenditures 2019 Justin Project					
Geological, Drilling & Geochemical Surveys					**Totals**
Position	**Personnel (Apply to All Claims Worked)**	**Number**	**Rate**	**Subtotal**	
Project Management and Reporting	Kerry Bates, M.Sc Geology	288.0	$72.00	$20,736.00	
Project Management	Mike McCuaig, P.Geo.	46.5	$90.00	$4,185.00	
Data Management and Reporting	Paul Stewart, M.Sc Geology	25.5	$67.50	$1,721.25	
Data Management	Vanessa Beach, Geologist/Data Manager	50.5	$75.00	$3,787.50	
Data Management	Laura MacNeill, Geologist/Data Manager	3.5	$61.50	$215.25	
GIS, Logistics, OH&S	Brad Robison, Equipment Manager/OH&S	57.0	$69.00	$3,933.00	
Equipment Management	Dave Keenan, Junior Geologist	8.0	$52.50	$420.00	
Equipment Management	Dave Roberts, Geotechnician	34.0	$46.50	$1,581.00	
Equipment Management	Joel Comely, Geotechnician	7.5	$48.00	$360.00	
Equipment Management	Jake Marchi, Geotechnician	4.0	$48.00	$192.00	
Equipment Management	Chris Shook, Geotechnician	22.5	$55.50	$1,248.75	
Equipment Management	James Reily, Junior Geologist	4.5	$51.00	$229.50	
Equipment Management	Matt Lister, Geotechnician	37.8	$45.00	$1,698.75	
Project Planning	Jesse Campbell, TerraLogic President	1.0	$90.00	$90.00	
				$40,398.00	$40,398.00
Personnel / Position	**Field Days (Claims Worked)**	**Days**	**Rate**	**Subtotal**	
Mike McCuaig, P. Geo.	31/5/2019 - 14/6/2019 (YD65452, YC73277)	15.50	$750.00	$11,625.00	
Kerry Bates, M.Sc.	31/5/2019 - 2/7/2019 (YD65452, YC73277)	33.00	$600.00	$19,800.00	
Paul Stewart, M.Sc.	31/5/2019 - 4/7/2019 (YC73249, YC73251, YC73248, YC73277, YD65452, YD65455, YD87913, YF33015, YF33017, YF33018, YD25798)	33.00	$562.50	$18,562.50	
Jesse Campbell, TerraLogic Presiden	20/6/2019 (YD65452, YC73277)	1.00	$900.00	$900.00	
Matt Lister, Geotechnician	31/5/2019 - 27/6/2019 (YC73248, YC73249, YC73251)	28.00	$375.00	$10,500.00	
Dave Roberts, Geotechnician	31/5/2019 - 4/7/2019 (YC73249, YC73251, YC73248, YC73277, YD65452, YD65455, YD87913, YF33015, YF33017, YF33018, YD25798)	35.00	$387.50	$13,562.50	
Chris Shook, Pad Builder	2/6/2019 - 22/6/2019 (YD65452, YC73277)	23.00	$462.50	$10,637.50	
Chris Shook, Camp Builder & OFA 3	26/5/2019 - 1/6/2019 (YD25796)	7.00	$500.00	$3,500.00	
Joel Comely, Pad Builder	24/6/2019 - 22/6/2019 (YD65452, YC73277)	30.00	$400.00	$12,000.00	
Yvonne Moon, Head Cook & OFA 3	31/5/2019 - 1/7/2019 (YD25796)	26.00	$550.00	$14,300.00	
Yvonne Moon, Head Cook	31/5/2019 - 1/7/2019 (YD25796)	6.00	$500.00	$3,000.00	
Kimberly Dickson, Cooks Helper	3/6/2019 - 21/6/2019 (YD25796)	19.00	$425.00	$8,075.00	
Art John, Camp Maintenance	31/5/2019 - 1/7/2019 (YD25796)	32.00	$387.50	$12,400.00	
Brad Robison, OHS & Equipment Manager	15/5/2019 - 3/6/2019 (YD25796)	20.00	$575.00	$11,500.00	
Dave Keenan, Camp Builder	24/5/2019 - 2/6/2019 (YD25796)	10.00	$437.50	$4,375.00	
James Reilly, Camp Builder	24/5/2019 - 2/6/2019 (YD25796)	10.00	$425.00	$4,250.00	
				$158,987.50	**$158,987.50**
Permitting		**Number**	**Rate**	**Subtotal**	
Ecofor Consulting BC Ltd	HRIA permit application & Bird Sweep			$4,015.00	
				$4,015.00	**$4,015.00**
Geochemical Surveying	**Number of Samples**	**Number**	**Rate**	**Subtotal**	
RAB Samples (ALS multi-element + gold)	Total Samples 425; Samples by Quartz Claim (Number of samples; Grant Number): 332, YD87913; 93, YD65452	425.0	$40.82	$17,349.86	
DDH Samples (ALS multi-element + gold)	Total Samples 359; Samples by Quartz Claim (Number of samples; Grant Number): 181, YD65452; 178, YC73277	359.0	$40.82	$14,655.53	
DDH Samples (Bureau Veritas ME + gold)	Total Samples 36; Samples by Quartz Claim (Number of samples; Grant Number): 32, YD65452; 4, YC73277	36.0	$73.99	$2,663.78	
Soil (ALS multi-element + gold)	Total Samples 56; Quartz Claims: YC73251, YC73249, YC73248, YD65455, YF33015, YF33017	56.0	$25.02	$1,401.23	
Rock (ALS multi-element + gold)	Total Samples 18; Samples by Quartz Claim (Number of samples; Grant Number): 1, YD25796; 2, YD25798; 3, YC73251; 12, YF33094	18.0	$43.61	$784.95	
ALS additional fees (storage, disposal, etc)				$2,427.40	
				$39,282.75	**$39,282.75**
Drilling Activities	**Contractor**	**Number**	**Rate**	**Subtotal**	
Diamond Drilling	New Age Drilling Solutions Inc			$233,211.25	
Rotary Air Blast Drilling	Ground Truth Drilling Inc.			$86,102.20	
Fuel (Diesel)	Bulk Diesel and Diesel Drums			$29,162.86	
				$348,476.31	**$348,476.31**
Transportation		**Number**	**Rate**	**Subtotal**	
Truck Rental				$982.50	
Kilometers (crew vehicles)		1788.8	$0.58	$1,037.50	
Kilometers (TerraLogic Vehicles)		11618.0	$0.30	$3,485.40	
Helicopter	Capital Helicopters (AS350 B2) - crew transportation and drill servicing			$169,200.00	
Fixed Wing	Alkan Air - crew changes, resupply runs			$28,085.00	
Fuel (Aviation)	Tu Lidlini Petroleum Corp (Jet-A)			$31,636.40	
Fuel (Aviation)	Small's Expediting (Jet-A)			$6,589.00	
Fuel (Truck)				$5,211.02	
Airfare	Crew Transportation (Commercial)			$10,475.33	
Taxi				$205.59	
Other	Crew Travel Expenses (parking, baggage fees etc)			$949.27	
				$257,857.01	**$257,857.01**
Geological and Geochemical		**Number**	**Rate**	**Subtotal**	
Sampling Consumables	bags, flagging, tags, saw blades, gloves, reference ore and blank material			$827.97	
Geological Supplies	maps, field supplies, batteries			$3,701.98	
				$4,529.95	**$4,529.95**
Accommodation & Food		**Number**	**Rate**	**Subtotal**	
Hotels				$3,957.33	
Camp	General Camp Supplies			$21,560.39	
Camp	Northern Enviro Services (seacan)	1.0	$5,500.00	$5,500.00	
Groceries				$14,299.02	

Lumber	TerraLogic Exploration (camp rehab, pad building)			$6,059.49	
Meals	Travel day meals for crew			$3,038.60	
				$54,414.83	**$54,414.83**
Equipment Rentals		**Number**	**Rate**	**Subtotal**	
Generator	Small's Expediting			$2,886.66	
Communication	Total North Communications Inc (Repeater, portable radios)			$3,025.00	
Communication	Total North Communications Inc (Internet, Phone)			$6,318.00	
Communication	TerraLogic Exploration Inc (Sat Phone, InReach, Spot)			$1,019.47	
Core Saw	ALX Exploration Services			$1,258.28	
Downhole Tools	Reflex Instruments Ltd.			$5,183.92	
Camp Equipment	Northern Enviro Services (mini hoe, fuel berm, tractor, yard bin, bear fense, incinerator, stoves, pumps)			$32,990.00	
DGPS	TerraLogic Exploration Inc. (Monthly Rental)	1.32	$1,050.00	$1,386.00	
ATV (side by side)	TerraLogic Exploration Inc. (Monthly Rental)	1.32	$3,000.00	$3,960.00	
Barrell Pump (x2)	TerraLogic Exploration Inc. (Monthly Rental)	2.62	$100.00	$262.00	
Candig Backhoe	TerraLogic Exploration Inc. (Monthly Rental)	1.32	$2,000.00	$2,640.00	
Chainsaw (x2)	TerraLogic Exploration Inc. (Monthly Rental)	2.64	$300.00	$792.00	
Computer with Printer (x3)	TerraLogic Exploration Inc. (Monthly Rental)	5.04	$220.00	$1,108.80	
Diesel Stove (x8)	TerraLogic Exploration Inc. (Monthly Rental)	10.56	$300.00	$3,168.00	
Digital Camera (x2)	TerraLogic Exploration Inc. (Monthly Rental)	2.64	$350.00	$924.00	
Field Kits (x4)	TerraLogic Exploration Inc. (Monthly Rental)	5.28	$200.00	$1,056.00	
Field House	TerraLogic Exploration Inc. (Monthly Rental)	4.00	$50.00	$200.00	
Fire Suppression backpack (x2)	TerraLogic Exploration Inc. (Monthly Rental)	2.64	$110.00	$290.40	
Firearm (12 ga defender)	TerraLogic Exploration Inc. (Monthly Rental)	1.32	$100.00	$132.00	
Generator	TerraLogic Exploration Inc. (Monthly Rental)	1.32	$1,000.00	$1,320.00	
Microscope	TerraLogic Exploration Inc. (Monthly Rental)	1.32	$100.00	$132.00	
Office plotter	TerraLogic Exploration Inc. (Monthly Rental)	1.00	$202.80	$202.80	
Tool Kit	TerraLogic Exploration Inc. (Monthly Rental)	1.32	$300.00	$396.00	
Survival Kit	TerraLogic Exploration Inc. (Monthly Rental)	1.32	$100.00	$132.00	
Trailer, 12 ft flat deck	TerraLogic Exploration Inc. (Monthly Rental)	0.06	$525.00	$31.50	
Trailer, 5 Ton flat deck	TerraLogic Exploration Inc. (Monthly Rental)	1.26	$1,500.00	$1,890.00	
Trailer, Enclosed	TerraLogic Exploration Inc. (Monthly Rental)	1.32	$1,500.00	$1,980.00	
Truck, one ton (x2)	TerraLogic Exploration Inc. (Monthly Rental)	2.64	$2,250.00	$5,940.00	
UV Lamp	TerraLogic Exploration Inc. (Monthly Rental)	1.32	$100.00	$132.00	
Wall Tent (x7)	TerraLogic Exploration Inc. (Monthly Rental)	9.24	$750.00	$6,930.00	
First Aid (Level III kits)	TerraLogic Exploration Inc. (Monthly Rental)	1.32	$180.00	$237.60	
First Aid (oxygen)	TerraLogic Exploration Inc. (Monthly Rental)	1.00	$42.17	$42.17	
				$87,966.60	**$87,966.60**
Freight		**Number**	**Rate**	**Subtotal**	
Expediting	Small's Expediting (sample delivery, camp resupply, hauling fuel)			$43,428.90	
Shipping/Expediting	Northern Enviro Services (seacan delivery, fuel, resupply)			$9,186.58	
Shipping	TerraLogic Exploration Services			$370.28	
Shipping	Tu Lidlini Petroleum Corp (fuel drum haul)			$4,900.00	
Shipping	Purolator Inc. (sample shipments)			$372.28	
Shipping	ALS Canada Ltd. (sample shipment)			$47.56	
				$58,305.60	**$58,305.60**
TOTAL Expenditures					**$1,054,233.55**
KBates 01/02/2020					
Kerry Bates, Project Geologist					

Appendix III

Logging, Sampling, Geochemical Protocols and Reporting Software

Appendix 3.1 – Diamond Drill Core Handling and Sampling Techniques

Core Transportation, Handling and Logging Procedures:

Core Handling and Transportation

Core boxes were loaded into a metal basket for storage immediately after being filled on the drill platform. After each basket was full the core boxes were secured with wooden lids, rubber bands, and ratchet straps. Core from all diamond holes was flown from the drill pad to the Justin Base Camp at the start and end of each day shift. New Age Drilling Solutions employees were responsibly for packaging core at the drill pad and TerraLogic Exploration Employees were responsible for receiving the core at the Justin Base Camp. Each box was taken from the basket and stacked on wooden skids in sequence.

Upon arrival at the Justin Camp core logging facility the boxes were laid out in the core shack. All boxes that could not fit in the core shack were arranged in order on a core rack immediately outside of the core logging facility.

The core logging shack could accommodate a total of twenty-one, four-foot-long core boxes at any one time for logging. The boxes sit on wooden benches specifically designed for core logging.

After the boxes of core were laid out on the bench, geotechnical logging procedures began. The following flow chart and text provides a step-by-step guide to the procedures:

2019 Core Logging Procedures

Mark block positions on core boxes & convert core blocks to meters

Orient Core → Appendix 3

Record RQDs & Recoveries

Meter marks onto core

Record box from and to depths onto core boxes (sharpie) & metal tags onto boxes

Geological Logging (geology & structures)

Break out & record sample intervals

Core Photos →

Make sure your hands are clean and dry before handling the camera

1. Make sure the core blocks are visible and facing upwards

2. Arrange core in trays so that sample marks and the ori line are visible

3. If there are significant structures or mineralization in the core, arrange the core so that contacts are visible

4. Fill out white boards with project information, box from, box to, and from and to depth's for the entire interval. Display the white board in a consistent position in the photo

5. Set up the camera to take photos with a 2 second delay – avoid standing in the photo while the photo is being taken

6. Take a photo of the dry core

7. Wet the core and take a photo of the core wet (note: over-wetted core can cause glare in core photos)

8. Check the quality of the photo before moving onto the next boxes

9. File photos to the appropriate folder:
(E:\Projects\IronRange\DDH\2018\[HoleID]\...)

Cut & Sample Core

Ship Samples

Core preparation and marker block conversion

- Cleaning the core of any unwanted dirt, grease, or other drill additives.
- All Diamond Drilling used metric rods (3 m), no block conversions were necessary. Lines were drawn on the edge of the box marking either side of the block so that if the block was accidently moved it could be placed back in its original position. The core between each set of blocks is referred to as a "run".
- One-meter intervals were marked on the drill core using a fine-tipped sharpie marker. During this process the "start" and "finish" meterage for each box was written at the top left and bottom right of each box respectively using a sharpie.

Oriented Core

- Oriented core measurements were collected for both of the 2019 drill holes where ground conditions permitted using the Reflex ACT III https://reflexnow.com/act-lll/.
- Oriented core was only completed when drilling with HQ gear. DDH JN19021 was reduced to NQ gear partway through the hole.
- TerraLogic Exploration employees facilitated the collection of oriented core data by following the Standard Operating Procedure (SOP) modified after Clague and Gallagher (2017):

Definitions

- RUN OF CORE: the core recovered from one core tube coming out of the drill hole or the core between two marker blocks.
- TOP OF THE RUN: the up-hole surface of the rock directly after a footage block.
- BOTTOM OF THE RUN: the downhole surface of the rock directly before a footage block.
- ORIENTATION MARK: the mark made by drill helper on the BOTTOM OF THE RUN
- KEEL: a line that is drawn up-hole from the orientation mark.
- LOCK ANGLE: the angle between the keels from consecutive runs of core.
- SUB-RUN: broken out for the purpose of recording quality control data, defined as an interval bound by breaks or positions in the core where the KEEL could not be carried across, or by an orientation mark

Drawing the lines

- Core was assessed on a run by run (or orientation mark by orientation mark) basis in order to determine whether it was possible to piece core together back up the hole to the previous orientation mark.
- Where this looked to be possible, the entire run of core was removed from the box and pieced together on a rigid length of angle iron.
- A line was then carefully drawn up the core from the orientation mark to the top of the run using a straight edge.
- The angular difference between runs was calculated as the difference between the (drawn) orientation line and the (up-hole) orientation mark.
- A perfect lock resulted in no angular difference, and where an angular difference was noted between consecutive runs, it was recorded on the core.

- Where breaks in the core prevented a line being drawn up-hole, a line was drawn down-hole from the previous orientation mark.

Recording the data

Orientation QAQC data was recorded into the Android application using the following protocol:

- Each entry into the android represented an interval of core that was bound by a line ending, a block, or an orientation mark.
- Consecutive intervals with no orientation line were combined into a single entry so that there were no gaps in the oriented core interval log.
- For each interval of oriented core the following data was recorded:
  - **From depth and to depth** – recorded in meters
  - **Line quality** – recorded on a scale of 1 to 3:
    1 – Good: all pieces locked together well
    2 – Moderate: some less than perfect matches or some slightly broken core that may have contributed to up to 10 degrees of uncertainty to the position of the orientation keel.
    3 – Poor: broken core or poorly fitting pieces where there was an element of uncertainty in how to align that section of core. Angular uncertainty between 10 and 20 degrees was accepted for quality 3 designation.
  - **Mark quality** – recorded on a scale of 1 to 3
    1 – Good: a good quality mark drawn down the center of the core and there was very little uncertainty.
    2 – Moderate: a mark that was slightly off-center, not completely straight, or drawn on an angled core surface. A moderate quality designation was assigned where the mark may have contributed to up to 10 degrees of uncertainty in the lock angle.
    3 – Poor: a mark that was off-center, not straight or otherwise contributed to greater than 10 degrees of error in the lock angle.
  - **A check mark** indicating that core was broken, spun or missing a piece, and the keel could not be carried uphole from the orientation mark.
  - **A check mark** indicating that the orientation mark was either preset or not present.
  - **In cases where the orientation mark was checked as 'not present'** and an orientation line was drawn on the core, the origin of the keel was recorded as from above or below.
  - **Angular difference** – recorded as an integer between -180 and 180. Defined as angular difference between consecutive orientation lines and measured as the positive direction of angular offset clockwise looking downhole. Angular difference was recorded as a negative number where the angular difference was counter-clockwise.

Structural measurements were recorded using a protractor and cylindrical beta angle protractor, and the following data was recorded directly into the Terralogic DBMS:

  - **Depth** – position of the structure downhole, recorded in meters.

- **Structure type** – recorded as one of bedding, veinlet, shear, fault plane, slickenline, foliation, contact (lithologic), fracture, cleavage.
- **Mineralogy** – dominant and accessory minerals forming or related to the structure.
- **Alpha** – angle of the planar feature to the core axis, recorded as an integer between 0 and 90.
- **Beta** – angular difference between the orientation line and the downhole apex of the planar structure. Measured clockwise from the orientation line (looking downhole) using a cylindrical beta angle protractor. Recorded as an integer between 0 and 360.
- **Gamma** – angle measured clockwise from the downhole long axis of the structural plane to the lineation, recorded as an integer between 0 and 180.
- **Sense** – relative sense of displacement or strain, recorded as dextral, sinistral or unknown.
- **Width** – true width of the structure, recorded in meters.
- **Instrument** – instrument used to measure the orientation of the structure relative to the keel, recorded as sleeve for the current program.
- **Plot** – true or false designation, indicating whether the structural measurement should be imported into visualization software.
- **Rank** – relative timing of the structures, recorded as an integer greater to equal to zero. Lower ranks were assigned to structures or features that were subsequently crosscut or overprinted by younger features (assigned a higher rank).
- **Notes** – additional observations not otherwise recorded.

QAQC & Data Processing

Orientation QAQC data was subsequently loaded into a TerraLogic proprietary bamboo diagram application and analyzed to determine the quality of consecutive runs relative to one another. Consecutive runs with minimal angular differences and moderate or good quality mark and line designations were flagged as ‘anchors’, and a correction angle was calculated and applied to runs with significant angular differences or poor-quality line and mark designations. The calculated correction angle was subsequently applied to structural measurements prior to analysis.

Alpha and beta angle measurements were converted to true world dip and dip direction using an in-house drill hole de-survey and correction template and structural measurements were loaded into ioGas for stereonet analysis.

A preliminary evaluation of structural data in ioGas showed the majority of bedding measurements to cluster as a distinct population. The average measurements for bedding orientation for the Yusezyu Formation sediments are (Az/Dip): 347°/46° (JN19020); 246°/65 (JN19030). Other structural features (veinlets, mineralized banding, foliation) had more varied orientations with no apparent distinct populations. The sheeted veins hosted in the Justin Intrusion returned the most consistent results with an average orientation of 047°/80°.

Figure 1 – Structural Measurements from JN19020

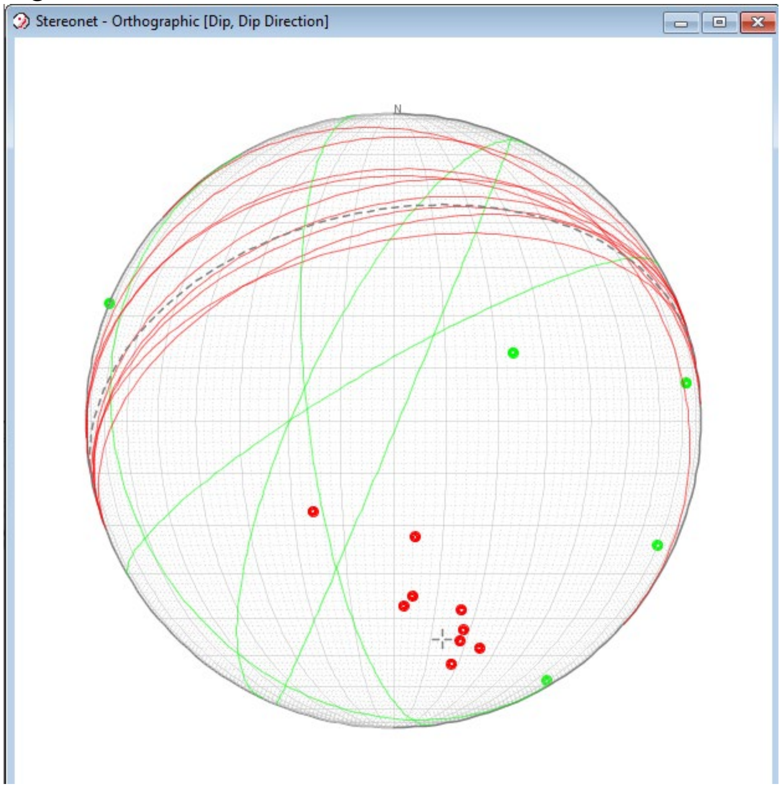


Figure 2 – JN19021 Structural Measurements

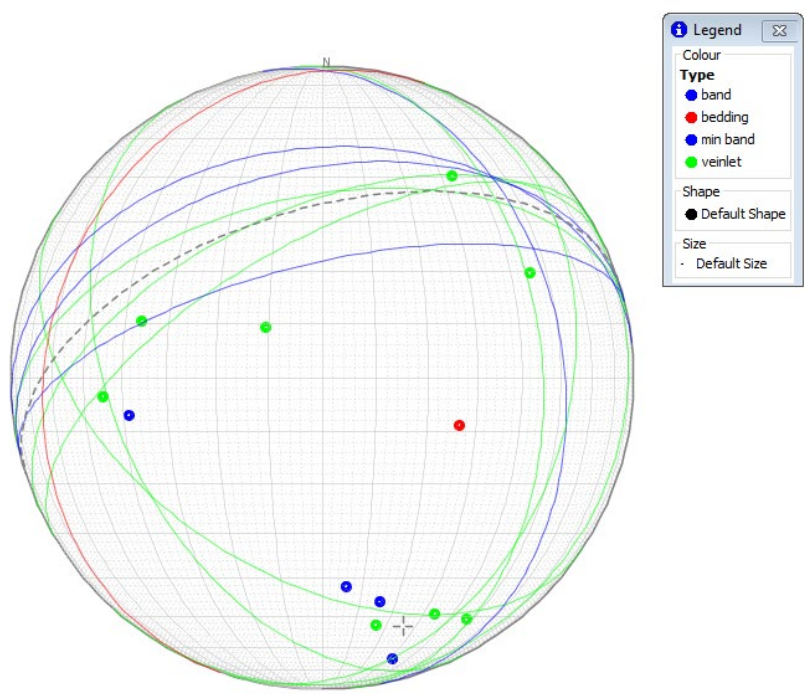


Figure 3 – JN19031 Structural Measurements

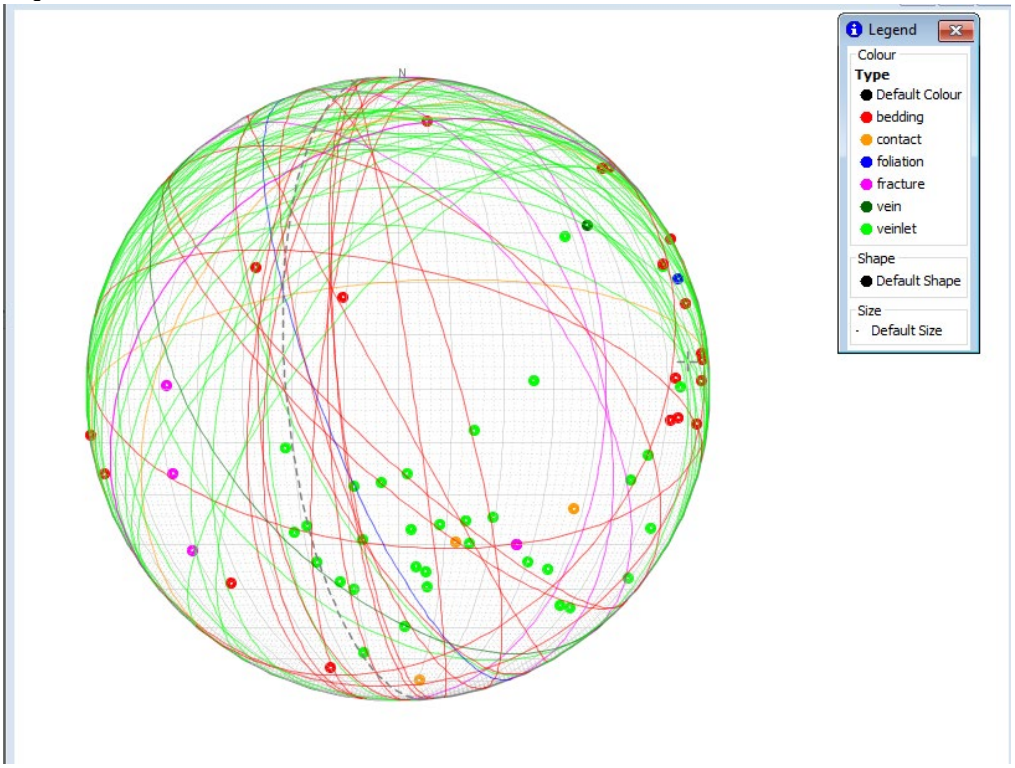
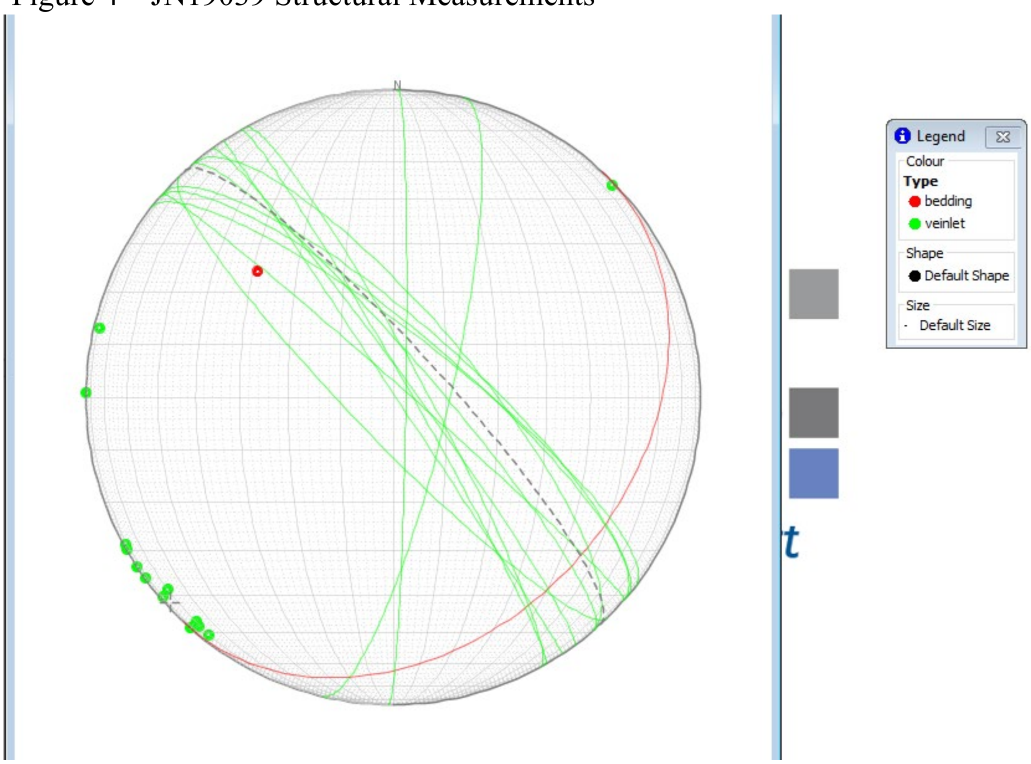


Figure 4 – JN19039 Structural Measurements



Because many of the orientation keels could not be carried across broken sections of core, orientation keel qaqc correction angles could not consistently be applied and an additional exercise was carried out to evaluate the quality of the structural measurements and pull out better-defined populations within the data set.

Bedding measurements were categorized based on whether they fell within a tight cluster within the distinct population, a broad cluster, also within the distinct population, or altogether outside of the distinct population. Runs were then coded by these categories, and confidence ratings were assigned to other structure types as follows:

1 – Run only contains bedding measurements that fall outside both the broad and tight clusters

2 – Run contains bedding measurements that fall both outside the broader cluster and within the broader cluster

3 – Run contains bedding measurements that fall within the broad cluster, or bedding measurements fall outside the broad cluster and within the tight cluster

4 – Run contains bedding measurements that fall within both the broad and tight clusters

5 – Run only contains bedding measurements that fall within the tight cluster

Core Recovery

- Core recovery intervals are calculated for each "run" of core. The measurement of recovery involves measuring drill core to determine the actual amount of core recovered during the coring process versus the amount indicated on the meterage blocks. Beginning at the start of the run the geotechnician measures each piece of core moving down the hole until the end of the run. The cumulative measurement is recorded in a proprietary data collection application using and Android based platform on a portable tablet device. The recovery percentage is automatically calculated for each interval in the application. The recovered drill core is expressed as the percentage of core recovered with respect to the length of the interval stated between the meterage blocks.

RQD

- The following Rock Quality Designation (RQD) parameters were collected for each "run" of core:
  - A cumulative measurement which represents the pieces of core that are greater than 0.10 m (mechanical breaks in the core are not considered in this measurement). The measurement is then converted into a RQD % which is calculated within the Android application.
  - A total count of the number of pieces of core which are greater than 0.10 m.
  - A total count of the number of natural fractures.
  - The longest stick of core.

Box Labeling

- A metal tag was affixed to the left hand end of each box. The hole number, box number, and meterage interval was written on each tag (eg. IR18037 Box 1 3.05 m – 9.14 m). All of this information was recorded in the Android application.

Core Logging and Sample Layout

Upon completion of the geotechnical procedure core logging and sample layout was initiated. In summary these procedures include:

- Core logging was completed by Kerry Bates, GIT, a geologist employed with TerraLogic Exploration Inc. All core logging was recorded into digital forms on a proprietary MS Access database designed by TerraLogic Exploration Inc. All aspects of geological information are recorded into the database under the following table headings: alteration, brecciation, lithology, mineralization, structures, shear zone, weathering and veins.
  - Different geologic features were labelled on the core using the following color scheme:
    - Green – structure
    - Blue – alteration
    - White – mineralogy
    - Yellow – lithology
- Sample layout was completed by Kerry Bates. The drill hole was sampled at the discretion of the geologists. Sample intervals were marked on the core using a red grease pencil. Sample intervals were marked out, with the corresponding sample number written at the beginning of each interval in red grease pencil. Modification of sample intervals from the one meter standard was necessary to allow for changes in lithology, alteration, veining, and mineralization. Sample intervals had a minimum width of 0.50 meters, and a maximum width of 2.00 meters. Above the beginning of each sample interval a metal

sample tag was affixed to the box. The left hand edge of every sample tag was aligned with the beginning of the sample interval. On each sample tag the sample number, and sample interval meterage was written as follows (JN19020-001 24.00 m – 25.00 m). The sample tag number, and sample interval from/to meterage was recorded digitally in the data collection application by the geotechnicians. The beginning of a sample interval was clearly marked with orange flagging tape to remove any doubt about the start of a sample interval.

Core Photographs

Upon completion of sample layout and core logging the drill core was photographed before being returned to the core rack in order. The core photographs were collected using the following protocol:

1. Boxes were placed on a bench specifically designed to accommodate three core boxes at a time.
2. Core blocks were inspected to make sure they were visible and facing upwards.
3. The core was arranged in the boxes so that the sample marks and orientation lines were visible.
4. Significant structures or zones of mineralization were arranged so that the contacts were visible where possible.
5. A white board was filled out with the project information, box from (m), box to (m), and the depth interval for the entire interval (if more than one box). The white boards were placed in the same position for each photograph.
6. Hands were inspected and cleaned accordingly to remove any dirt/grease before handling the SLR camera.
7. The camera was set up to take photos with a two second delay. The geotechnicians were instructed to avoid standing in the frame of the photo while the photo was being taken.
8. A photo of the dry core was taken.
9. The core was then wetted with water and allowed to dry for approximately one minute to minimize glare.
10. A photo of the wet core was taken.
11. A check of the photo quality was done. If the photos were blurred then the process was repeated until quality photographs were obtained.
12. Core was then taken back outside the logging facility and returned to the metal rack in the proper order.
13. The files were then copied to the appropriate folder on the server: E:\Clients\Aben\Projects\Justin\DDH\2019\[HoleID]\....

Drill Core Sampling

Drill core sampling was carried out using a conventional rock saw which was set up in a cutting structure outside of the main core logging facility. The core sampling procedure was completed according to the following protocol.

1. The geotechnicians would clearly label both sides of sample bags and sample tags for each hole and organize them in order to maintain sample integrity and facilitate sample shipping. Sample bags were 6 mil Poly Ore Bags 12” x 20” and were purchased from Deakin Outfitting. Sample tags were made by writing the sample number on blaze orange flagging tape using a sharpie marker. Each sample tag was placed into the corresponding sample bag. This process was completed before sampling of the core began.
2. Upon bringing the core box inside the core sampling tent, the geotechnician checked that the sample bags were labelled correctly and matched the samples in the core box. The geotechni-

cian also insured that the sample bags were stored in such a way that dust from the rock saw could not contaminate the inside of the bags.

3. The geotech was instructed to saw each sample in half such that the rock sample in the bag, and the box shared equal representation of mineralization. The cutline that was used was the core orientation line marking the keel or bottom of the drill core. The same side of the core was sampled throughout the hole wherever it was possible to identify, and was marked with a red tick on the side of the cut line.
4. The core was placed into the rock saw such that the blade cut the rock in half along the line drawn on the core.
5. Half of the sawn sample is placed in the sample bag, and the other piece is returned to the box in the correct order and orientation. After the entire sample has been completed the sample bag was sealed with a plastic locking zip-tie and placed sequentially in order within a shed located beside the core logging facility awaiting shipping.
6. After cutting a given sample interval the core saw was brushed and washed clean before starting the next core sample. All of the fine material created during the sawing process is collected in trays below the saw and disposed of in a sump at the core logging facility.
7. The above procedure was repeated for all sampling of 2019 Justin drill core.
8. Quality Assurance Quality Control ('QAQC') samples were inserted into the sample sequence for each hole by the project geologist. The intervals were determined based upon the sample batch size for the analytic techniques employed on the project. Standard polymetallic reference ores, blank reference rock material and duplicate samples were included in the sample sequence for each hole at a minimum frequency of one QAQC sample of each type per thirty-six core samples. Standard samples were identified using the following nomenclature *e.g.*, JN19020-020S. Blank samples were identified using the following nomenclature *e.g.*, JN19020-002B. Duplicate samples had the following nomenclature *e.g.*, JN19020-098D. Both standard and blank samples were packaged in the same fashion as drill core samples with the reference material being placed in the corresponding sample bag. One type of duplicate sample wwas collected during the 2019 Justin drill program: coarse reject duplicates. In the case of the coarse reject duplicate an empty bag with the duplicate sample number written on the bag was inserted into the sample sequence. ALS and Bureau Veritas was instructed to take a 500 g re-split of the coarse reject sample for all samples in each shipment ending in the suffix "D", where the sample bag received by the laboratory was empty. The coarse reject sample allowed for comparison of geochemical variations within the same ½ core sample. Blank samples were prepared by TerraLogic Exploration employees and the quantity of blank material placed into the sample bag was always more than the preceding sample. Making the blank volumetrically larger than the preceding sample checks that the laboratory is effectively cleaning the crushing equipment between samples, as the larger blank sample will fill the hopper of the jaw crusher higher than the preceding sample. Particle size is an important consideration when selecting blank reference material. A pulverized blank reference material will bypass the sample preparation process, missing and important step in identifying potential vectors for sample contamination. Coarse grained aggregate measuring greater than 10.0 millimetres or fist-sized particles of rock are pre-

ferred for blank materials. The blank reference material used on the Justin project was a marble aggregate measuring > 15.0 millimetres in diameter.

9. A sample shipment was created after all of the samples for a given hole were complete. Each drill hole receives its own unique shipment number. For example the first sample shipment for the 2019 drill program was given the following unique identification number: JN2019-001 (Project Code-Year-Shipment Number). The TerraLogic database was used to generate a sample dispatch sheet which is used to organize the sample shipment.
10. Samples are put into polyweave rice bags in preparation for shipment to the laboratory. Each rice bag is clearly labelled with the name of the laboratory, sample shipment number and bag number (*e.g.*, JN2019-001 Bag 1 of 29). Typically four-eight samples are placed into each rice bag with the expectation being that each bag will be less than 25.0 kilograms. After each bag is filled it is sealed with a locking zip tie. All of the sample shipping data: bag number, sample sequence per bag, total number of samples per bag and the unique identification number on the security tags are recorded in the project MS Access database for every sample shipment.

The 2019 core remained outside the core logging facility until an arranged flight or expeditor could deliver to the ALS Prep Lab and Bureau Veritas Prep Labs in Whitehorse, YK. All drill core and samples were stored within a locked compound prior to shipment to the laboratory.

Appendix 3.2 – Rotary Air Blast (RAB) Sampling, Logging and Hole Completion Protocols

Sampling Protocols:

Samples were collected from surface to the end of the hole from for every 5 foot (1.52 m) rod length. Samples were collected from the cyclone using a 5 gallon pail attached to the cyclone with a large plastic or cloth bag skirt using a bungie cord wrapped around the skirt and the rim of the pail.
Following collection of the sample in the 5 gallon pail two different procedures were used to collect a split of the sample for laboratory analysis depending on the moisture level of the sample return. If the sample return was dry then the material was fed through a vibrating riffle splitter with ~12.5% of the sample being deposited in a cut down 5 gallon pail holding a cloth sample bag with the remaining 77.5% of the sample reject being deposited in a large Rubbermaid container. If the sample return had significant moisture content then the riffle splitter was not used as it would get too caked with material and would be difficult to clean to prevent sample cross contamination. Instead a 3 inch wide PVC pipe was used to sample a full profile of the sample from top to bottom of the pail that was then transferred into a sample bag.
In order to avoid sample cross contamination the riffle splitter and 5 gallon sample pails were cleaned between each 5 foot rod length using a compressed air gun. The interior of the cyclone was regularly checked to make sure that no sample material was being caked on to its interior walls, especially if there was any moisture in the sample return. If any sample material was caked onto the side of the interior cyclone walls then it was scraped and air-gunned into the 5 gallon sample pail below.
Field duplicates were collected from the 10th sample of each drill holes and standards were inserted for the 20th sample of each drill hole. If the sample return was dry then the sample material in the Rubbermaid was simply run through the riffle splitter again and collected in a duplicate sample bag. If the sample material was wet then the duplicate was collected with the 3 inch PVC pipe and deposited in a duplicate sample bag.
An additional split was collected for logging purposes from the Rubbermaid container for dry samples

and from the 5 gallon sample pail using a garden trowel. This sample was then sieved and cleaned with water before being spread out on a table using a paint scraper. A subset of the sample was collected with a spoon and put into a chip tray labelled with hole number, sample number, sample depth and tray number.

Logging Protocols:

Once the logging split is laid out on the table it is observed up close with a hand lens and a number of observations are made. These observations were then recorded on a paper logging template including the following column headers:

- **From:** depth of top of run in m.
- **To:** depth of bottom of run in m.
- **Litho:** dominant lithology observed.
- **Min:** proportion, habit and mineralogy of any observed mineralization.
- **Qtz:** the percentage of quartz vein chips in the sample split.
- **Comments:** any other relevant geological observations including lithology minor, oxidation, whether or not there is casing and any notable characteristics of the lithology and mineralization.
- In addition to the geological logging template there is a sample logging template that is also filled out with the following column headers:
- **Sample:** sample number.
- **From:** depth of top of run in m.
- **To:** depth of top of run in m.
- **Recovery %:** estimated percent sample recovery.
- **Mass kg:** estimated sample mass.
- **Moisture:** whether or not the sample is wet, and to what degree.
- **QAQC:** where field duplicates were collected.
- **Comments:** any general comments about the sample.
- At the end of each day the information from the logging and sampling templates were transposed into an Access database
- **Photos:** All sample chip trays were photographed using a canon SLR camera.

Hole Completion:

If the hole was making water after completion to target depth it was plugged with a bentonite bomb. The bentonite bomb consisted of a plastic bag wrapped in tape with a width equivalent to that of the drilling rods that was filled with bentonite chips and perforated throughout. All of the drilling rods were then pulled out of the hole, and the bentonite bomb was placed in the open hole. The bentonite bomb was then pushed downhole with the rods until a run or two above where the first water was encountered. The rods where then pulled and more bentonite was put into the hole and within about half an hour the holes stopped making water.

Flagging tape was labelled with hole number and put on a log with an equivalent width to the hole, which is then shoved into the hole. GPS coordinates were then collected used an Arrow 100 DNSS GPS.

Appendix 3.3 - Rock and Soil 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 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. A grab sample is taken from outcrop but not considered to be representative of the entire outcrop. A float sample is taken without direct knowledge of the original outcrop location. The sample material 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 50.0 metres. Soil samples were collected using augers or from pits dug with geotuls to an average depth of 21 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.

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. 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. The bags were delivered to the ALS Minerals Preparation Laboratory in Whitehorse, YT.

Appendix 3.4 – Geochemistry – Analytical Techniques

All drill core samples were shipped from the Justin Camp logging facilities to Whitehorse, YT by truck using Small's Expediting (Whitehorse, YT) or by air using Alkan Air (Whitehorse, YT). Samples were delivered directly to ALS Geochemistry (78 Mt Sima Rd, Whitehorse, YT, Y1A 0A8) and Bureau Veritas (77 Collins Dr, Whitehorse, YT, Y1A 0A8). All samples were prepared for shipment by TerraLogic Exploration employees, and at no point in time was the sample shipment chain of custody compromised. Descriptions of analytical techniques used on the drill core samples are provided below.

Appendix 3.5 – Software

The following software was used in the production of the 2019 Technical Report for the Justin Property:

- Microsoft Office
- ArcGIS v.9.3
- Geosoft Target v.8.0
- Adobe Acrobat X Standard
- ioGAS
- PosgreSQL

Au-AA23 & Au-AA24 – Fire Assay Fusion, AAS Finish

Sample Decomposition:

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

Analytical Method:

Atomic Absorption Spectroscopy (AAS)

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

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

List of Reportable Analytes:

Method Code	Element	Symbol	Units	Sample Weight (g)	Lower Limit	Upper Limit	Default Overlimit Method
Au-AA23	Gold	Au	ppm	30	0.005	10.0	Au-GRA21
Au-AA24	Gold	Au	ppm	50	0.005	10.0	Au-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 □m (Tyler 150 mesh) stainless steel screen. Any material remaining on the screen (+) 100 □m 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 □m 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:

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

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

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

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-GRA21 & ME-GRA22 – Precious Metals Gravimetric Analysis Methods

Sample Decomposition:

Fire Assay Fusion (FA FUSAG1, FA FUSAG2, FA FUSGV1 and FA-FUSGV2)

Analytical Method:

Gravimetric

A prepared sample is fused with a mixture of lead oxide, sodium carbonate, borax, silica and other reagents in order to produce a lead button. The lead button containing the precious metals is cupelled to remove the lead. The remaining gold and silver bead is parted in dilute nitric acid, annealed and weighed as gold. Silver, if requested, is then determined by the difference in weights.

Method Code	Analyte	Symbol	Sample Weight	Lower Limit	Upper Limit
Ag-GRA21	Silver	Ag	30	5	10,000
Ag-GRA22	Silver	Ag	50	5	10,000
Au-GRA21	Gold	Au	30	0.05	1000
Au-GRA22	Gold	Au	50	0.05	1000

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.*

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

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

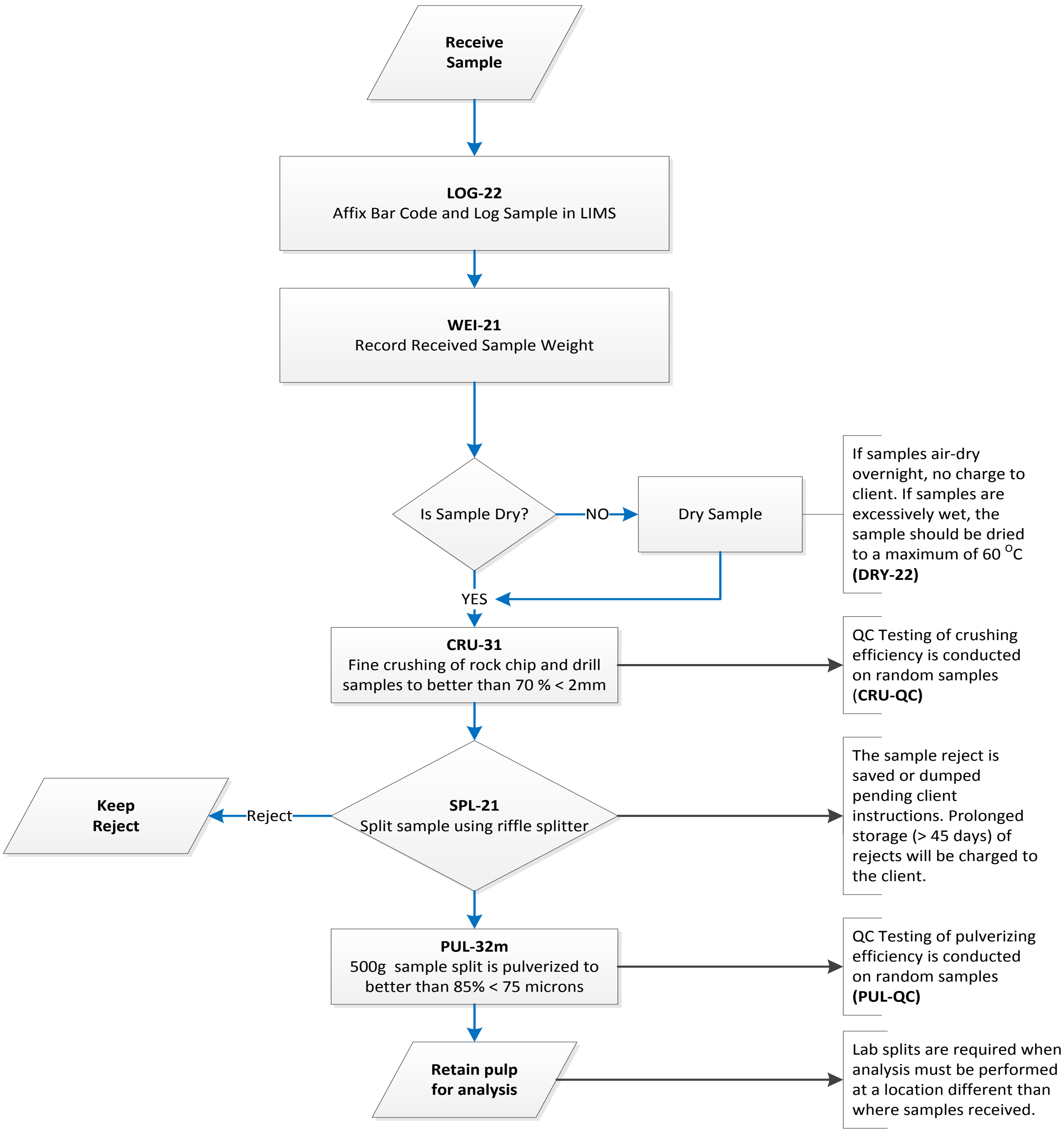
Sample preparation is the most critical step in the entire laboratory operation. The purpose of preparation is to produce a homogeneous analytical sub-sample that is fully representative of the material submitted to the laboratory.

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)



PREP-41

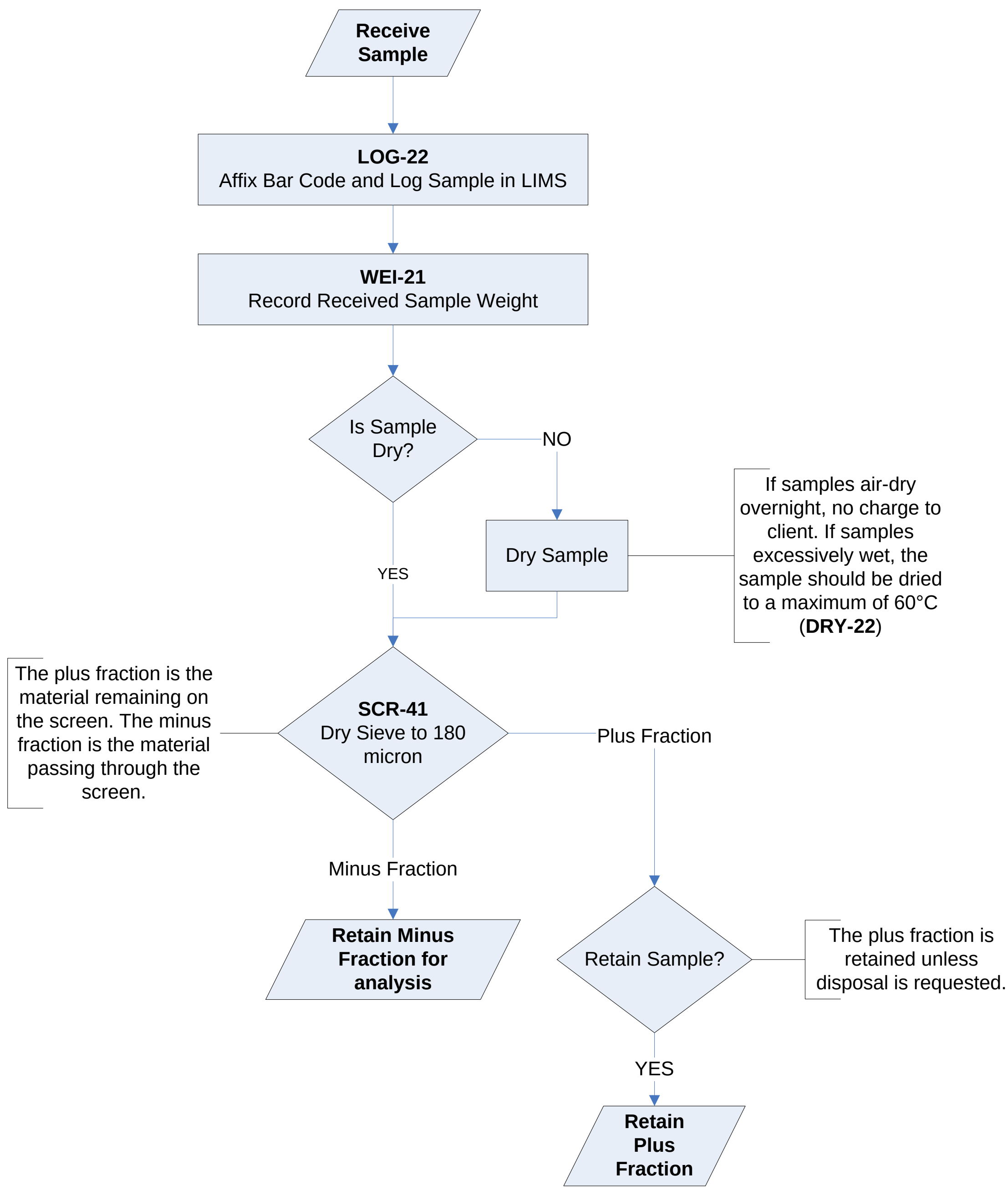
Standard Preparation: Dry sample and dry-sieve to –180 micron

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



MINERALS

► AQ250

Package Description	Ultra Trace Geochemical Aqua Regia digestion
Samples Digestion	HNO_3-HCl acid digestion
Instrumentation Method	ICP-ES and ICP-MS
Legacy Code	1F
Applicability	Sediment, Soil, Non-mineralized Rock and Drill Core

► METHOD DESCRIPTION

Prepared sample is digested with a modified Aqua Regia solution of equal parts concentrated HCl, HNO_3 and DI H_2O for one hour in a heating block or hot water bath. Sample is made up to volume with dilute HCl. Sample splits of 0.5g, 15g or 30g can be analyzed.

Lead isotope Add On (+ISO) ^{204}Pb, ^{206}Pb, ^{207}Pb, ^{208}Pb are suitable for geochemical exploration of U and other commodities where gross differences in natural to radiogenic Pb ratios, is a benefit. Isotope values can be reported in both concentrations and intensities. Sample splits of 0.5g, 15g or 30g can be analyzed.

ELEMENT	DETECTION LIMIT	UPPER LIMIT
Ag	2 ppb	100 ppm
Al*	0.01%	10%
As	0.1 ppm	10000 ppm
Au	0.2 ppb	100 ppm
B*^	20 ppm	2000 ppm
Ba*	0.5 ppm	10000 ppm
Bi	0.02 ppm	2000 ppm
Ca*	0.01%	40%
Cd	0.01 ppm	2000 ppm
Co	0.1 ppm	2000 ppm
Cr*	0.5 ppm	10000 ppm
Cu	0.01 ppm	10000 ppm
Fe*	0.01%	40%
Ga*	0.1 ppm	1000 ppm
Hg	5 ppb	50 ppm
K*	0.01%	10%
La*	0.5 ppm	10000 ppm
Mg*	0.01%	30%
Mn*	1 ppm	10000 ppm

ELEMENT	DETECTION LIMIT	UPPER LIMIT
Mo	0.01 ppm	2000 ppm
Na*	0.001%	5%
Ni	0.1 ppm	10000 ppm
P*	0.001%	5%
Pb	0.01 ppm	10000 ppm
S	0.02%	10%
Sb	0.02 ppm	2000 ppm
Sc	0.1 ppm	100 ppm
Se	0.1 ppm	100 ppm
Sr*	0.5 ppm	10000 ppm
Te	0.02 ppm	1000 ppm
Th*	0.1 ppm	2000 ppm
Ti*	0.001%	5%
Tl	0.02 ppm	1000 ppm
U*	0.05 ppm	2000 ppm
V*	2 ppm	10000 ppm
W*	0.05 ppm	100 ppm
Zn	0.1 ppm	10000 ppm

Extended Package Elements		
ELEMENT	DETECTION LIMIT	UPPER LIMIT
Be*	0.1 ppm	1000 ppm
Ce*	0.1 ppm	2000 ppm
Cs*	0.02 ppm	2000 ppm
Ge*	0.1 ppm	100 ppm
Hf*	0.02 ppm	1000 ppm
In	0.02 ppm	1000 ppm
Li*	0.1 ppm	2000 ppm
Nb*	0.02 ppm	2000 ppm
Rb*	0.1 ppm	2000 ppm
Re	1 ppb	10000 ppb
Sn*	0.1 ppm	100 ppm
Ta*	0.05 ppm	2000 ppm
Y*	0.01 ppm	2000 ppm
Zr*	0.1 ppm	2000 ppm
Pt*	2 ppb	100 ppm
Pd*	10 ppb	100 ppm

Limitations: *This digestion is only partial for some Cr and Ba minerals and some oxides of Al, Hf, Mn, Sn, Ta and Zr. †Volatilization may occur during fuming resulting in some loss of As, and Sb

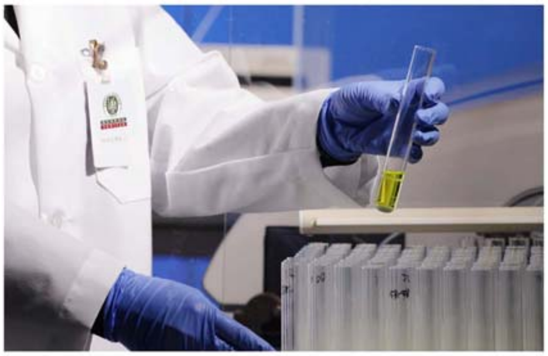
 

MINERALS

+REE Add on		
ELEMENT	**DETECTION LIMIT**	**UPPER LIMIT**
Pr	0.02 ppm	2000 ppm
Nd	0.02 ppm	2000 ppm
Sm	0.02 ppm	2000 ppm
Eu	0.02 ppm	2000 ppm
Gd	0.02 ppm	2000 ppm
Tb	0.02 ppm	2000 ppm
Dy	0.02 ppm	2000 ppm
Ho	0.02 ppm	2000 ppm
Er	0.02 ppm	2000 ppm
Tm	0.02 ppm	2000 ppm
Yb	0.02 ppm	2000 ppm
Lu	0.02 ppm	2000 ppm

+PGM Add on		
ELEMENT	**DETECTION LIMIT**	**UPPER LIMIT**
Pt*	2 ppb	100 ppm
Pd*	10 ppb	100 ppm

+ISO Add on		
ELEMENT	**DETECTION LIMIT**	**UPPER LIMIT**
^{204}**Pb**	0.01 ppm	10000 ppm
^{206}**Pb**	0.01 ppm	10000 ppm
^{207}**Pb**	0.01 ppm	10000 ppm
^{208}**Pb**	0.01 ppm	10000 ppm



MINERALS

► FA100, FA300, FA400 & FA500

Package Description	Precious Metals by Lead Collection Fire Assay
Samples Digestion	Lead-collection fire assay fusion
Instrumentation Method	ICP-MS (FA100), ICP-ES (FA300), AAS (FA400), Gravimetric (FA500)
Legacy Code	3B, G6
Applicability	Rock, Drill Core

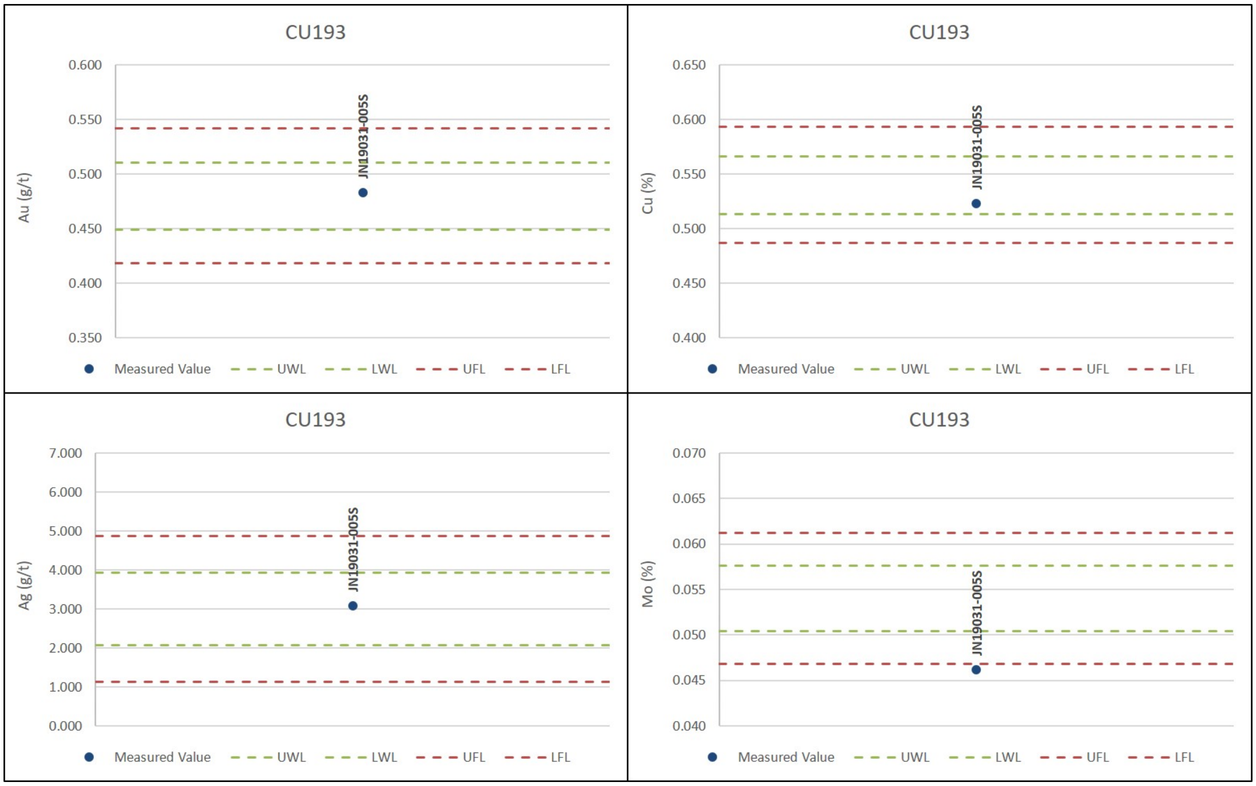
► METHOD DESCRIPTION

30 or 50g of prepared sample is custom-blended with fire-assay fluxes, PbO litharge and a silver inquart. Firing the charge at 1050ºC liberates Ag, Au and PGEs that report to the molten Pb-metal phase. After cooling the Pb button is recovered, placed in a cupel and fired at 950ºC to render a Ag, Au and PGEs dore bead. The bead is then either digested with nitric and hydrochloric acids for instrumentation determination or weighed and parted with nitric acid to dissolve Ag leaving gold which is weighed directly. Ag is determined by difference of the dore bead from the gold in gravimetric analysis.

ELEMENT	DETECTION LIMIT	UPPER LIMIT
	FA100 – ICP-MS	
Au	1 ppb	1 ppm
Pt	0.1 ppb	1 ppm
Pd	0.5 ppb	1 ppm
	FA300-ICP-ES	
Au	2 ppb	10 ppm
Pt	3 ppb	10 ppm
Pd	2 ppb	10 ppm
	FA400-AAS	
Au	5 ppb	10 ppm
	FA500-Gravimetric	
Au	0.9 ppm	
Ag	20 ppm	

Note: Sulphide rich samples may require a 15g or smaller sample charge for proper fusion.

QAQC Analysis of Standard CU193



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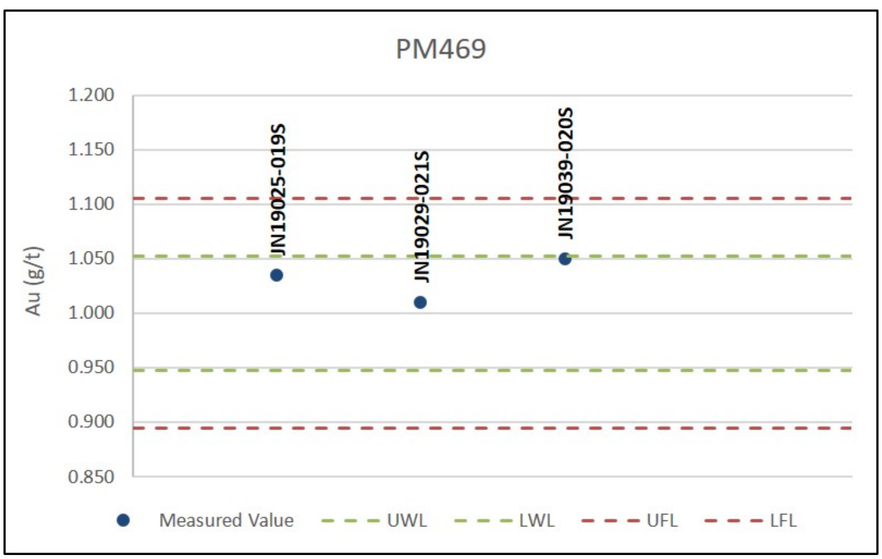

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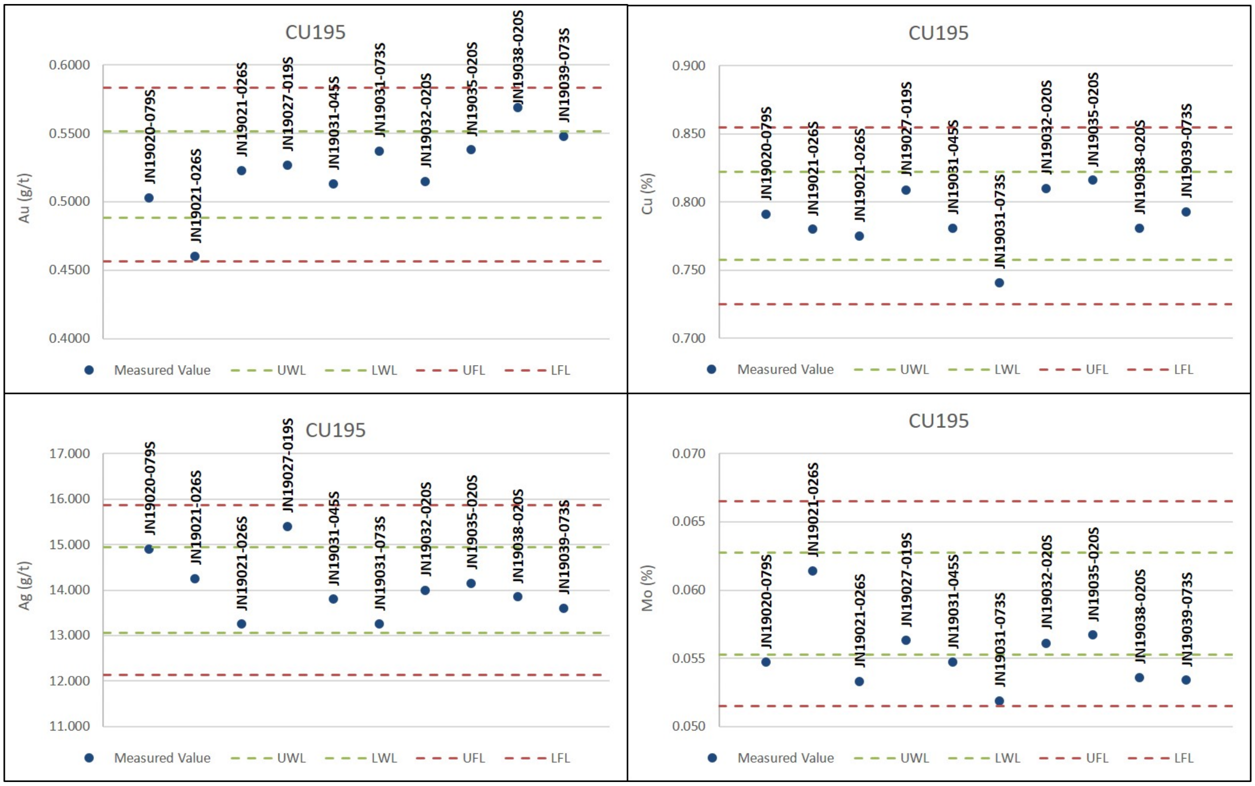
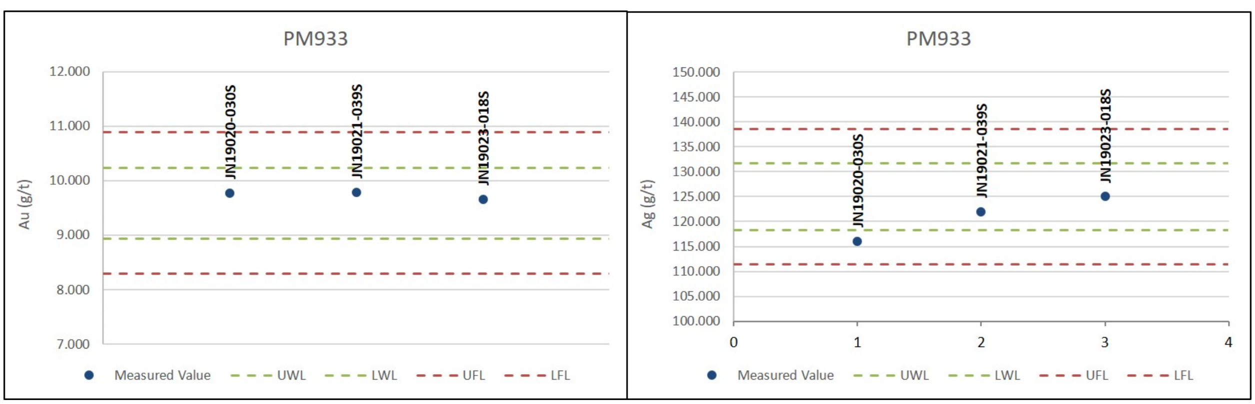
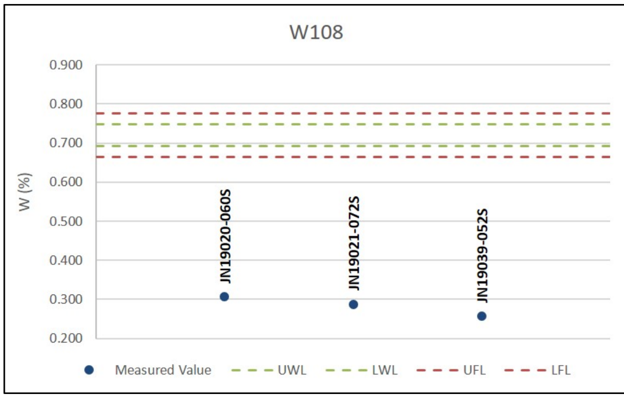
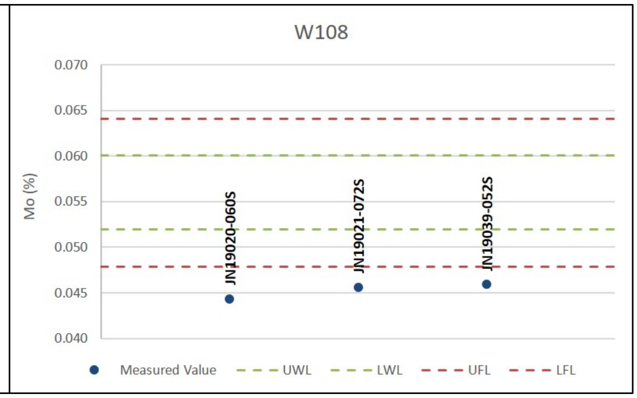


QAQC Analysis of Standard PM933



QAQC Analysis of Standard W108





Appendix IV

Sample Data and Drill Logs

APPENDIX 4: Collar

Hole ID	Target Zone	Final Depth (m)	UTM Zone	Easting	Northing	Elevation (m)	Drill Type	Start Date	Finish Date	Notes
JN19020	POW West	222	09N	546182	6839625	1444	diamond	2019-06-05	2019-06-09	Target: pow west, hole produced significant water flow from collar, set bradley plug at 49.5 and grouted to surface. all flow was stopped.
JN19021	POW West	303	09N	546184	6839726	1436	diamond	2019-06-10	2019-06-17	Reduce from hq to nq at base of shear zone in competent skarn at 252 m. intense artesian flow, hole was plugged with bradley plug at 138.5 m and grouted to surface. all collar flow stopped before moving off pad.
JN19022	Lost Ace	30.48	09N	544739	6840681	1461	RAB	2019-06-13	2019-06-13	
JN19023	Lost Ace	30.48	09N	544739	6840681	1461	RAB	2019-06-14	2019-06-14	Shut down in wet ground, that was reducing sample quality and recovery
JN19024	Lost Ace	30.48	09N	544737	6840680	1461	RAB	2019-06-14	2019-06-14	
JN19025	Lost Ace	30.48	09N	544739	6840680	1461	RAB	2019-06-14	2019-06-15	Drill cutting came out wet starting at ~10 m reducing overall sample recovery and became soaking wet at 20 m further reducing sample recovery… potentially related to a fault zone at around 10 m?
JN19026	Lost Ace	30.48	09N	544739	6840680	1461	RAB	2019-06-15	2019-06-16	
JN19027	Lost Ace	28.96	09N	544737	6840680	1461	RAB	2019-06-16	2019-06-16	Hole ended early as hammer froze in ground, wet ground at 12.1 m hampered pulling rods significantly at the end of the hole
JN19028	Lost Ace	30.48	09N	544793	6840673	1450	RAB	2019-06-16	2019-06-17	Got wet at 9.14 m
JN19029	Lost Ace	32	09N	544793	6840673	1450	RAB	2019-06-17	2019-06-17	Got wet at 30.48 m
JN19030	Lost Ace	30.48	09N	544816	6840668	1447	RAB	2019-06-17	2019-06-18	Got wet at 27.43 m
JN19031	POW East	309	09N	546902	6839235	1435	diamond	2019-06-18	2019-06-23	No groundwater flow, plug used at 50 m and grouted to surface as precaution.
JN19032	Lost Ace	30.48	09N	544816	6840668	1447	RAB	2019-06-18	2019-06-18	Got wet at 27.43 m
JN19033	Lost Ace	30.48	09N	544867	6840653	1439	RAB	2019-06-18	2019-06-19	Got damp at 10.67 m, wet 25.91
JN19034	Lost Ace	21.34	09N	544867	6840653	1439	RAB	2019-06-19	2019-06-20	Drillers hit a void at ~20 m, were worried about sticking the hammer so the hole was shut down, wet below 12.19 m
JN19035	Lost Ace	30.48	09N	544869	6840659	1438	RAB	2019-06-19	2019-06-20	Hole produced water after it was finished drilling. drillers plugged with bentonite, wet below 18.29 m
JN19036	Lost Ace	30.48	09N	544869	6840659	1438	RAB	2019-06-20	2019-06-21	Hole produced water after it was finished drilling. drillers plugged with bentonite, wet below 15.24
JN19037	Lost Ace	13.72	09N	544873	6840668	1434	RAB	2019-06-20	2019-06-22	Hole was terminated before td due to deteriorating drilling conditions - lots of water in the hole, poor sample recovery, and water started coming ouf of one of the other collars. water ceased coming out of the other collar when casing was pulled. wet bel
JN19038	Lost Ace	30.48	09N	544765	6840708	1444	RAB	2019-06-22	2019-06-23	Produced up to ~10 gallon per minute of water. was plugged with bentonite at the end of the hole. wet below 12.19 m
JN19039	POW East	126	09N	546903.35	6839238.521	1435	diamond	2019-06-23	2019-06-25	No artesian flow but top 50 m grouted as precaution.
JN19040	POW West	32	09N	546189	6839722	1435	RAB	2019-06-24	2019-06-24	Wet below 12.19 m
JN19041	POW West	39.62	09N	546190	6839720	1435	RAB	2019-06-24	2019-06-25	Wet below 12.19 m
JN19042	POW West	39.62	09N	546190	6839723	1435	RAB	2019-06-25	2019-06-25	Wet belwo 12.19 m
JN19043	POW West	19.05	09N	546199	6839731	1432	RAB	2019-06-27	2019-06-27	Hole hit a void between 18.29 and 19.0 m, and was sluffing large chips into the hole. was decided to all the hole rather than lose it. wet below 9.14 m

APPENDIX 4: Survey

Hole ID	Depth (m)	Instrument	Azimuth	Dip	Notes
JN19020	**0**	**compass**	**130**	**-45**	
	30	reflex	127.3	-46.3	Pulled back 6 m
	60	reflex	128	-46.3	Pulled back 6 m
	90	reflex	127	-46.6	Pulled back 6 m
	120	reflex	125.7	-46.2	Pulled back 6 m
	120.01	reflex	26.3	-46.3	Retested. did not accept at 120m
	150	reflex	7.4	-47.4	Pulled back 6 m. trouble getting tool down hole due to artesian groundwater flow
	180	reflex	127.7	-47.9	Pulled back 6 m
	210	reflex	125.6	-47.6	Pulled back 6 m
JN19021	**0**	**collar-planned**	**130**	**-48**	
	30	reflex	135.7	-49	Pulled back 6 m
	60	reflex	135.7	-48.1	Pulled back 6 m
	90	reflex	128.4	-48.7	Pulled back 6 m
	120	reflex	136.5	-48.7	Pulled back 6 m
	150	reflex	136.7	-49.3	Pulled back 6 m
	270	reflex	139.1	-48.8	Pulled back 6 m
	300	reflex	138.8	-49.1	Pulled back 6 m
JN19022	**0**	**collar-planned**	**25**	**-50**	
	30.48	collar-planned	25	-50	
JN19023	**0**	**collar-planned**	**25**	**-70**	
JN19024	**0**	**collar-planned**	**335**	**-50**	
JN19025	**0**	**collar-planned**	**50**	**-70**	
JN19026	**0**	**collar-planned**	**50**	**-55**	
JN19027	**0**	**collar-planned**	**335**	**-70**	
JN19028	**0**	**collar-planned**	**25**	**-50**	
JN19029	**0**	**collar-planned**	**25**	**-70**	

APPENDIX 4: Survey

Hole ID	Depth (m)	Instrument	Azimuth	Dip	Notes
JN19030	**0**	**collar-planned**	**0**	**-90**	
JN19031	**0**	**collar-measured**	**80**	**-45**	
	30	reflex	82.5	-44.2	
	60	reflex	82.9	-44.1	
	90	reflex	83	-44.3	
	120	reflex	82.2	-44.7	
	150	reflex	82.8	-44.9	
	180	reflex	82.7	-45.4	
	210	reflex	83.7	-45.4	
	240	reflex	84.3	-45.6	
	270	reflex	85	-45.6	
	300	reflex	86.9	-45.9	
JN19032	**0**	**collar-planned**	**205**	**-50**	
JN19033	**0**	**collar-planned**	**25**	**-70**	
JN19034	**0**	**collar-planned**	**25**	**-50**	
JN19035	**0**	**collar-planned**	**0**	**-90**	
JN19036	**0**	**collar-planned**	**25**	**-70**	
JN19037	**0**	**collar-planned**	**205**	**-50**	
JN19038	**0**	**collar-planned**	**205**	**-50**	
JN19039	**0**	**collar-planned**	**260**	**-45**	
	30	reflex	262.8	-46.6	
	120	reflex	264.7	-47.2	
JN19040	**0**	**collar-measured**	**0**	**-90**	
JN19041	**0**	**collar-planned**	**130**	**-50**	
JN19042	**0**	**collar-planned**	**85**	**-50**	

APPENDIX 4: Survey

Hole ID	Depth (m)	Instrument	Azimuth	Dip	Notes
JN19043	**0**	**collar-planned**	**0**	**-90**	

APPENDIX 4: Drilling

Hole ID	From (m)	To (m)	Drill Type	Hole Diamter	Notes
JN19020	**0**	**10.6**	**diamond**	**casing**	
	10.6	222	diamond	hq	
JN19021	**0**	**10.93**	**diamond**	**casing**	
	10.93	252	diamond	hq	
	252	303	diamond	nq	Reduced at base of shear zone in competent skarn interval
JN19022	**0**	**7.62**	**RAB**	**casing**	
	7.62	30.48	RAB	open hole	
JN19023	**0**	**7.62**	**RAB**	**casing**	
	7.62	30.38	RAB	open hole	
JN19024	**0**	**9.14**	**RAB**	**casing**	
	9.14	30.48	RAB	open hole	
JN19025	**0**	**7.62**	**RAB**	**casing**	
	7.62	30.48	RAB	open hole	
JN19026	**0**	**7.62**	**RAB**	**casing**	
	7.62	30.48	RAB	open hole	
JN19027	**0**	**7.62**	**RAB**	**casing**	
	7.62	28.96	RAB	open hole	
JN19028	**0**	**6.1**	**RAB**	**casing**	
	6.1	30.48	RAB	open hole	
JN19029	**0**	**4.57**	**RAB**	**casing**	
	4.57	32	RAB	open hole	
JN19030	**0**	**1.52**	**RAB**	**casing**	
	1.52	30.48	RAB	open hole	
JN19031	**0**	**12.24**	**diamond**	**casing**	
	12.24	309	diamond	hq	

APPENDIX 4: Drilling

Hole ID	From (m)	To (m)	Drill Type	Hole Diamter	Notes
JN19032	**0**	**1.52**	**RAB**	**casing**	
	1.52	30.48	RAB	open hole	
JN19033	**0**	**3.05**	**RAB**	**casing**	
	3.05	30.48	RAB	open hole	
JN19034	**0**	**3.05**	**RAB**	**casing**	
	3.05	21.34	RAB	open hole	
JN19035	**0**	**7.62**	**RAB**	**casing**	
	7.62	30.48	RAB	open hole	
JN19036	**0**	**7.62**	**RAB**	**casing**	
	7.62	30.48	RAB	open hole	
JN19037	**0**	**9.14**	**RAB**	**casing**	
	9.14	13.72	RAB	open hole	
JN19038	**0**	**6.1**	**RAB**	**casing**	
	6.1	30.48	RAB	open hole	
JN19039	**0**	**3.5**	**diamond**	**casing**	
	3.5	126	diamond	hq	
JN19040	**0**	**7.62**	**RAB**	**casing**	
	7.62	32	RAB	open hole	
JN19041	**0**	**9.14**	**RAB**	**casing**	
	9.14	39.62	RAB	open hole	
JN19042	**0**	**12.19**	**RAB**	**casing**	
	12.19	39.62	RAB	open hole	
JN19043	**0**	**9.14**	**RAB**	**casing**	
	9.14	19.05	RAB	open hole	

APPENDIX 4: Lithology

Hole ID	From (m)	To (m)	Contact Type	Lith Unit	Lith Major	Lith Minor	Colour 1	Colour 2	Grain Size	Notes
JN19020	**0**	**10.6**			**overburden**					
	10.6	51.67			siltstone	sandstone	grey	red	very fine	Dominantly laminated silstone with interbedded vfg sandstone (cm-scale). ss fines upwards. some grains are reminicent of strained pelloids
	51.67	62.68	sharp		quartz pebble conglomerate		white	light beige	very coarse	Coarse to very coarse qpc. no obvious internal bedding or graded beds. variable clay alteration of the matrix through fault zones. grains are subangular to subrounded, well sorted
	62.68	66.19	sharp		quartz pebble conglomerate	siltstone	white	grey	very fine/coarse	Sequence of interbedded qpc (~60%) and laminated siltstone (~40%). beds typically range from 0.1-0.5 m, internal contacts are sharp and erosional.
	66.19	68.05	sharp		quartz pebble conglomerate		white	light green	coarse	Bed of altered qpc (hornfels alteration?). moderately annealed grain boundaries. some grain size variation (internall bedding?) poorly defined graded beds.
	68.05	70.48	sharp		siltstone	quartz pebble conglomerate	grey	white	very fine/coarse	Sequence of interbedded qpc (~60%) and laminated siltstone (~40%). beds typically range from 0.1-0.5 m, internal contacts are sharp and erosional.
	70.48	107.5	sharp		quartz pebble conglomerate		white	light beige	fine/coarse	Fining upward beds of coarse-find qpc. matrix is variably clay altered. blocky drilling
	107.5	117	faulted		gouge	siltstone	beige	dark grey	very fine	Intensely clay altered gouge, unknown protolith. in more competent core pieces they may be remnant bedding (very poorly preserved). colour changes from beige at top to light grey at approx 113 to dk grey at 120. intense clay alteration throughout and carb
	117	163.4	faulted		gouge	limestone	dark grey	medium grey	very fine-coarse	Polymict fault gouge/breccia. clasts are angular to subrounded with varying composition (limestone dominant, lesser siltstone, quartz fragments). protolith below 141 is confidently limestone.
	163.4	166.94	faulted		massive sulphide					Banded, massive sulphide with intensely silicified matrix.
	166.94	175	undulated		skarn					Thick package of variably altered skarn (prograde and retrograde)
	175	178.18	sharp		quartz feldspar porphyry					
	178.18	185.49	broken		skarn					Thick package of variably altered skarn (prograde and retrograde)
	185.49	222	gradational		siltstone	sandstone				Gradational top contact over 10 cm. laminated, primary sed structures well preserved. interbeds of fg sandstone
JN19021	**0**	**10.93**			**overburden**					
	10.93	16.1			siltstone	sandstone	beige	white	very fine-medium	Interbedded (beds avg 15cm) siltstone and medium grained sandstone. moderate preservation of primary sed structures (mostly soft sed deformation)
	16.1	39.2			quartz pebble conglomerate	sandstone	beige	white	medium-coarse	Interbedded quartz pebble conglomerate and medium to coarse grained sandstone. subangular rip up clasts (siltstone) up to 5 cm within the qpc. some graded beds with sharp internal bedding contacts
	39.2	51.16			siltstone	sandstone	beige	grey	very fine-medium	Interbedded fine-medium grained sandstone and laminated siltstone. beds are fining up, gradational internal contacts.
	51.16	84.34			quartz pebble conglomerate	sandstone	beige	grey	medium-coarse	Interbedded quartz pebble conglomerate and medium to coarse grained sandstone. subangular rip up clasts (siltstone) up to 5 cm within the qpc. some graded beds with sharp internal bedding contacts
	84.34	111.88	sharp		siltstone	lime mudstone	grey	beige	very fine-fine	Interbedded laminated siltstone and peloidal lime mudstone.
	111.88	114	sharp		skarn		green	purple	very fine-fine	Prograde massive and banded skarn
	114	139.37	gradational		siltstone	lime mudstone	green	purple	very fine-medium	Variably altered, interbedded laminated siltstone and peloidal lime mudstone.

APPENDIX 4: Lithology

Hole ID	From (m)	To (m)	Contact Type	Lith Unit	Lith Major	Lith Minor	Colour 1	Colour 2	Grain Size	Notes
	139.37	147.55	gradational		skarn	siltstone	green	pink		Classic retrograde banded skarn. gradational top and bottom contacts with laminated siltstone.
	147.55	160.95	broken		quartz pebble conglomerate	sandstone	beige		very coarse	Interbedded quartz-pebble comglomerate and sandstone. some graded bedding.
	160.95	168.91	gradational		siltstone	sandstone	beige		very fine-medium	Interbedded laminated siltstone, pelloidal lime mudstone and medium grained sandstone.
	168.91	198.16	gradational		quartz pebble conglomerate	sandstone	beige			Interbedded quartz-pebble comglomerate and sandstone. some graded bedding.
	198.16	204.5	broken		sandstone	siltstone	beige		very fine-medium	Interbedded, laminated siltstone and medium grained sandstone
	204.5	224.5	broken		breccia	gouge	dark grey	beige		Matrix supported breccia with angular clasts up to 5 cm, average 2 cm. clasts comprised of laminated siltstone, course turbiditic clastics and fine-medium grained siltstone. minor replacement of matrix by pyrite (minor cpy)
	224.5	237.8	broken		gouge	limestone	dark grey			Dark grey to black fault gouge. strong rxn to hcl (lms protolith?)
	237.8	240	broken		gouge		brown	beige		Oxidized, clay altered gouge. unknown protolith. no rxn to hcl
	240	240.93	broken		gouge	limestone	dark grey	black		Dark grey to black fault gouge. strong rxn to hcl (lms protolith?)
	240.93	246	broken		gouge		brown	beige		Oxidized, clay altered gouge. unknown protolith. no rxn to hcl
	246	249.58	broken		massive sulphide					Pyrrhotite rich massive sulphide zone. bands of mineralization are near perpindicular tca
	249.58	253.85	gradational		skarn	massive sulphide	green			Dark green prograde skarn with partial massive sulphide replacement. reduce to nq at 252m
	253.85	303	gradational		siltstone	sandstone				Variably altered silica rich siltstone (laminated) with interbedded fine to coarse grained sandstone (average bed width 10 cm). sandston beds are poorly sorted (turbiditic?)
JN19022	**0**	**3.05**			**overburden**					**Mixed oxidized grit, light blue phyllite, clean quartz and organics**
	3.05	4.57			quartz pebble conglomerate					20% quartz veining, minor oxidation. trace pyrite finely disseminated within mm scale oxidized fragments quartz material.
	4.57	6.1			quartz pebble conglomerate	phyllite				Orange-light red oxidized subordinate phyllite fragments, 10% quartz
	6.1	7.62			quartz pebble conglomerate	phyllite				Increasing proportion of phyllite, moderate orange-red oxidation, finish casing
	7.62	9.14			quartz pebble conglomerate	phyllite				Minor phyllite, weak-moderate orange oxidation
	9.14	10.67			quartz pebble conglomerate					Trace finely disseminated pyrite in quartz, weakly oxidized.
	10.67	12.19			quartz pebble conglomerate					
	12.19	13.72			quartz pebble conglomerate					Weakly oxidized
	13.72	16.76			quartz pebble conglomerate					Weakly oxidized, rare grey fragments host to pyrite and arsenopyrite mineralized fragments in clean qpc with minor quartz veining
	16.76	18.29			quartz pebble conglomerate					No oxidation, minor quartz, trace euhedral to mm scale
	18.29	21.34			quartz pebble conglomerate					Minor oxidation. trace pyrite, arsenopyrite in 30% qtz vein
	21.34	22.86			quartz pebble conglomerate					Minor oxidation, 10% qurtz vein
	22.86	24.38			quartz pebble conglomerate					40% quartz veins, common sooty-mm scale euhedral aspy and py in quartz
	24.38	25.91			phyllite	quartz pebble conglomerate				Predominantly quartz veining
	25.91	27.43			phyllite	quartz pebble conglomerate				
	27.43	30.48			quartz pebble conglomerate	phyllite				<5% phyllite, minor oxidation

APPENDIX 4: Lithology

Hole ID	From (m)	To (m)	Contact Type	Lith Unit	Lith Major	Lith Minor	Colour 1	Colour 2	Grain Size	Notes
JN19023	**0**	**6.1**			**overburden**					**Mixed quartz, phyllite and quartz pebble conglomerate chips, moderately oxidized**
	6.1	9.14			quartz pebble conglomerate					Moderately oxidized, subordinate (<5%) phyllite chips. casing completed to 7.62 m
	9.14	10.67			quartz pebble conglomerate					Moderatle oxidized with trace pyrite mineralization hosted in quartz vien chips
	10.67	12.19			quartz pebble conglomerate					No oxidation, trace finely disseminated pyrite in quartz chips
	12.19	15.24			quartz pebble conglomerate					Fine veinlets and finely disseminated pyrite and arsenopyrite hosted in quartz vein material
	15.24	16.76			quartz pebble conglomerate					Fine veinlets and finely disseminated pyrite and arsenopyrite hosted in quartz vein material, weakly oxidized grit chips
	16.76	18.29			quartz pebble conglomerate	phyllite				Sooty-euhedral py-aspy min diseeminated in quartz chip and also a mm scale mineralized chips. <5% phyl
	18.29	19.81			quartz pebble conglomerate	phyllite				Rare sooty py+aspy min, <5% phyl
	19.81	21.34			quartz pebble conglomerate	phyllite				Sooty-euhedral py-aspy min diseeminated in quartz chip and also a mm scale mineralized chips, 10% phyl
	21.34	22.86			quartz pebble conglomerate	phyllite				Sooty-euhedral py-aspy min diseeminated in quartz chip and also a mm scale mineralized chips, 10% phyl, weakly oxidized grit chips
	22.86	24.38			quartz pebble conglomerate	phyllite				Trace finely disseminated pyrite, weakly oxidized grit chips, subordinated phyl (<5%)
	24.38	25.91			quartz pebble conglomerate	phyllite				Trace py, finley disseminated, 30% weakly oxidized grit, 10% phyl
	25.91	28.96			quartz pebble conglomerate	phyllite				Poor recovery due to wetness or a fault? 20% grit, 5% phyl
	28.96	30.48			quartz pebble conglomerate					Very wet, with poor recovery, sporadic trace finely disseminated py+aspy and euhedral chips
JN19024	**0**	**6.1**			**overburden**					**Mixed grite, quartz, phyl, moderately oxidized**
	6.1	9.14			quartz pebble conglomerate					Weak- moderalte oxidized grit, finish casing at 9.14
	9.14	10.67			quartz pebble conglomerate					Weak oxidation, trace finley disseminated pyrite in quartz chips
	10.67	12.19			quartz pebble conglomerate					Weak oxidation
	12.19	13.72			quartz pebble conglomerate					Trace finely disseminated pyrite in quartz chips
	13.72	16.76			quartz pebble conglomerate					0.5% sooty-euhedral py+aspy disseminated in qtz chips and as sulfide chips
	16.76	19.81			quartz pebble conglomerate					Trace py+aspy disseminated in quatz chips, finey grained, sooty
	19.81	21.34			quartz pebble conglomerate					
	21.34	24.38			quartz pebble conglomerate					Trace sooty py+aspy disseminated in quartz chips, rare sulfide chips
	24.38	25.91			quartz pebble conglomerate	phyllite				Trace sooty py+aspy disseminated in quartz chips, rare sulfide chips, weakly oxidized grit, <5% phyl
	25.91	30.48			quartz pebble conglomerate	phyllite				Trace sooty py+aspy disseminated in quartz chips, rare sulfide chips, 20% phyl
JN19025	**0**	**3.05**			**overburden**					**Moderately oxidized mix of grit, phyllite and quartz**
	3.05	4.57			overburden					Dominated by grit and phyllite chips with minor quartz, red-orange fe-oxide with minor quartz chips
	4.57	6.1			quartz pebble conglomerate	phyllite				Moderately orange-red oxidized grit with subordinate phyllite (35%)
	6.1	7.62			quartz pebble conglomerate	phyllite				Moderate orange oxidation of grit chips, 25% pyllite, end casing

APPENDIX 4: Lithology

Hole ID	From (m)	To (m)	Contact Type	Lith Unit	Lith Major	Lith Minor	Colour 1	Colour 2	Grain Size	Notes
	7.62	9.14			quartz pebble conglomerate	phyllite				Dominated grit with 5% phyllite chips, moderate orange oxidation, trace py+aspy sooty-euhedral hosted in quartz chips
	9.14	10.67			phyllite	quartz pebble conglomerate				10% grit, trace fine disseminated py, euhedral
	10.67	15.24			quartz pebble conglomerate	phyllite				Trace fine disseminated aspy+py, rare euhedral sulfide chips, sulfide disseminated in quartz chips, very wet sample = crossed structure?
	15.24	16.76			quartz pebble conglomerate	phyllite				20% phyllite, 40% grit, trace fine disseminated py+aspy in quartz chips
	16.76	18.29			quartz pebble conglomerate	phyllite				15% phyllite, mineralized sulfide chips, mineralized quartz chips
	18.29	19.81			quartz pebble conglomerate	phyllite				5% grit
	19.81	21.34			quartz pebble conglomerate	phyllite				5% phyllite, common sulfide chips and disseminated in quartz chips
	21.34	22.86			quartz pebble conglomerate	phyllite				5% phyllite, rare sulfide chips, sooty-euhedral aspy+py mineralization
	22.86	24.38			phyllite	quartz pebble conglomerate				10% grit, sooty-euhedral py+aspy disseminated in quartz chips and as invdividual sulfide chips
	24.38	24.91			quartz pebble conglomerate	phyllite				20% phyllite, sulfide chips and sooty-euhedral py+aspy disseminated in quartz chips
	24.91	27.43			phyllite	quartz pebble conglomerate				10% grit, sooty-euhedral aspy+py finely disseminated in quartz chips and as sulfide chips
	27.43	28.96			phyllite					Trace aspy+py disseminated in quartz chips
	28.96	30.48			phyllite	quartz pebble conglomerate				20% rusty grit
JN1902€	**0**	**6.1**			**overburden**					**Phyllite, quartz, grit chips, moderately oxidized orange-red**
	6.1	7.62			phyllite	quartz pebble conglomerate				Phyllite dominated with 10% grit chips, end casing, moderately orange oxidized
	7.62	9.14			phyllite	quartz pebble conglomerate				Phyllite dominated with 20% grit, moderate orange oxidation
	9.14	10.67			quartz pebble conglomerate	phyllite				Pyrite finely disseminated in quartz chips, 5% phyllite, moderate orange oxidized grit
	10.67	12.19			quartz pebble conglomerate					Trace finley disseminated sooty aspy, moderate orange oxide
	12.19	18.29			quartz pebble conglomerate					Trace finley disseminated sooty aspy+py in quartz chips
	18.29	19.81			quartz pebble conglomerate	phyllite				5% phyllite, trace finley disseminated sooty-euhedral py+aspy, rare sulfide chips and sulfide disseminated in quartz chips
	19.81	21.34			phyllite	quartz pebble conglomerate				10% phyl, 5% grit, euhedral-sooty py+aspy chips and disseminated in quartz chips
	21.34	22.86			quartz pebble conglomerate	phyllite				10% grit, 5% phyllite, euhedral-sooty py+aspy chips and disseminated in quartz chips
	22.86	24.38			quartz pebble conglomerate	phyllite				15% grit chips, 10% phyllite chips, euhedral-sooty py+aspy chips and disseminated in quartz chips
	24.38	25.91			phyllite	quartz pebble conglomerate				10% grit, sooty py+aspy disseminated in quartz chips
	25.91	27.43			quartz pebble conglomerate	phyllite				60% grit, 25% phyllite, trace sooty py+aspy disseminated in quartz chips
	27.43	28.96			quartz pebble conglomerate	phyllite				70% grit, 5% phyllite, trace sooty py+aspy disseminated in quartz chips and rare sulfide chips
	28.96	30.48			quartz pebble conglomerate					70% grit, trace sooty py+aspy disseminated in quartz chips
JN19027	**0**	**3.05**			**overburden**					**Mixture of phyllite, grit and quartz chips, moderate red-orange oxidation, casing**

APPENDIX 4: Lithology

Hole ID	From (m)	To (m)	Contact Type	Lith Unit	Lith Major	Lith Minor	Colour 1	Colour 2	Grain Size	Notes
	3.05	4.57			overburden					Mixture of phyllite, grit and quartz chips, moderate red-orange oxidation, casing, trace finely disseminated pyrite in qtz chips
	4.57	6.1			phyllite	quartz pebble conglomerate				40% phyllite, 30% grit, chips, orange oxidation
	6.1	7.62			quartz pebble conglomerate	phyllite				35% grit, 15% phyllite, end of casing, moderate orange oxidation
	7.62	10.67			quartz pebble conglomerate	phyllite				Trace py finely disseminated in quartz chips and rare sulfide chips, 20% phly, weak oxidation
	10.67	13.72			quartz pebble conglomerate					Weak oxidation, trace py disseminated in quartz chips
	13.72	15.24			quartz pebble conglomerate					Trace py disseminated in qtz chips, moderately oxidized
	15.24	16.76			quartz pebble conglomerate					Trace py disseminated in qtz chips, weakly oxidized
	16.76	18.29			quartz pebble conglomerate					No oxidation, trace py disseminated in qtz chips
	18.29	21.34			phyllite	quartz pebble conglomerate				40% phyl, 25% grit, trace py disseminated in qtz chips
	21.34	22.86			phyllite	quartz pebble conglomerate				50% phyllite, 15% grit, trace py disseminated in qtz chips
	22.86	24.38			phyllite	quartz pebble conglomerate				40% phyllite, 25% grit, py+aspy min disseminated in qtz chips and as rare sulfide chips
	24.38	27.43			quartz pebble conglomerate	phyllite				5% phly, 70% grit, py+aspy min disseminated in qtz chips and as rare sulfide chips, sooty-euhedral
	27.43	28.96			quartz pebble conglomerate	phyllite				5% phyllite, 55% grit, trace fine disseminated py in quartz chips
JN1902ε	**0**	**3.05**			**overburden**					**Casing, phyllite dominated, subrodinate grit and qurtz chips, moderate red-orange oxidation**
	3.05	4.57			quartz pebble conglomerate	phyllite				50% grit, 5% phyllite, moderate orange oxidation
	4.57	6.1			quartz pebble conglomerate	phyllite				60% grit, 5% phyllite, moderate orange oxidation, casoing complete
	6.1	9.14			quartz pebble conglomerate					Trace finely disseminated pyrite hosted in quartz chips, moderate oxidation
	9.14	10.67			quartz pebble conglomerate	phyllite				Trace finley disseminated aspy+py in qtz chips, rare grey mineralized chips, 5% phyllite
	10.67	13.72			quartz pebble conglomerate	phyllite				Trace finely disseminated py in quartz chips, 5% phyl
	13.72	15.24			quartz pebble conglomerate					Trace finely disseminated py+aspy in qtz chips and as sulfide chips
	15.24	18.29			quartz pebble conglomerate	phyllite				Trace finely disseminated and veinlets of sooty py+aspy in qtz chips and as sulfide chips, 5% phyl
	18.29	21.34			phyllite	quartz pebble conglomerate				Trace finely disseminated and veinlets of sooty-euhedral py+aspy in qtz chips and as sulfide chips, 5% grit
	21.34	22.86			quartz pebble conglomerate	phyllite				0.5% sooty-euhedral py+aspy in sulfide chips and hosted in qtz chips, 40% grit, 20% phyl
	22.86	24.38			siltstone					Trace sooty py+aspy hosted in qtz chips
	24.38	27.43			quartz pebble conglomerate					Trace sooty py+aspy hosted in qtz chips, and sulfide chips
	27.43	30.48			quartz pebble conglomerate					Trace finely disseminated pyrite in quartz chips and rare sulfide chips.
JN1902ξ	**0**	**3.05**			**overburden**					**Phly-grit-qtz chips, moderate orange-red oxidation, casing**
	3.05	4.57			quartz pebble conglomerate	phyllite				Trace finley disseminated py in qtz chips, 305 grit, 20% phyl, moderate orange oxidation, last casing
	4.57	6.1			quartz pebble conglomerate					Trace finely disseminated py, sooty, in qtz chips, 60% grit, moderate orange oxidation
	6.1	7.62			quartz pebble conglomerate	phyllite				Trace finley disseminated py+aspy, sooty and in qtz chips, 30% grit, 5% phyl, moderate orange oxidation
	7.62	9.14			phyllite	quartz pebble conglomerate				Trace finely disseminated py in qtz chips, moderate orange oxidation, 20% grit, 60% phyl
	9.14	10.67			phyllite	quartz pebble conglomerate				Trace finely disseminated py in qtz chips and as sulfide chips, 45% phyl, 15% grit,

APPENDIX 4: Lithology

Hole ID	From (m)	To (m)	Contact Type	Lith Unit	Lith Major	Lith Minor	Colour 1	Colour 2	Grain Size	Notes
	10.67	12.19			phyllite	quartz pebble conglomerate				Trace finely disseminated py+aspy in qtz chips, 40% phyl, 30% grit
	12.19	13.72			quartz pebble conglomerate	phyllite				Grit 75%, phly 15%, trace finley disseminated py in qtz and phyl chips
	13.72	16.76			siltstone					Minor brown oxidation
	16.76	19.81			quartz pebble conglomerate	siltstone				Trace finely disseminated py in quartz chips and grit, 60% grit, 25% siltstone, weak oxidation
	19.81	21.34			quartz pebble conglomerate					Trace finely disseminated py in qtz, euhedral
	21.34	24.38			siltstone	quartz pebble conglomerate				5% grit, trace finely disseminated py in qtz
	24.38	32			phyllite					Trace finely disseminated py in qtz chips
JN1903(	**0**	**3.05**			**quartz pebble conglomerate**					**Moderate oxidation, casing from 0-15.2 m, grey silicifed grit**
	3.05	4.57			quartz pebble conglomerate					Trace finely disseminated py in qtz chips, moderate orange oxidation
	4.57	6.1			quartz pebble conglomerate	phyllite				Trace finely disseminated py in qtz chips, 5% phyl chips, moderate oxidation
	6.1	7.62			phyllite	quartz pebble conglomerate				Moderate oxidation, phyl 80%, grit 10%, trace finely disseminated py in qtz chips
	7.62	9.14			quartz pebble conglomerate	phyllite				30% phyl, 65% grit, trace finely disseminated py in qtz chips and grit chips, weak oxidation
	9.14	12.19			phyllite					Grey phyl, oxidized qtz chips
	12.19	15.24			phyllite					Sporadic weak oxidation, rare grey qtz chips mineralized with trace finely disseminated py
	15.24	16.76			siltstone	phyllite				Rare grey qtz chips mineralized with trace finely disseminated py, phyl 30%
	16.76	18.29			phyllite					Darky navy phyllite
	18.29	19.81			phyllite	siltstone				Py finely disseminated in mm scale veinlets, drak navy phyl, 90% phyl, 10% siltstone
	19.81	21.34			phyllite	siltstone				Finely disseminated py in mm scale chips and veinlets, sooty, 90% phly, 5% siltstone
	21.34	22.86			phyllite					Finely disseminated py in mm scale chips and veinlets, sooty
	22.86	24.38			phyllite	siltstone				Finely disseminated py in mm scale chips and veinlets, sooty, 94% phly, 5% siltstone
	24.38	30.48			phyllite					Finely disseminated py in mm scale chips and veinlets, sooty
JN19031	**0**	**12.24**			**overburden**					**Casing to 12 m**
	12.24	22.92	broken		siltstone		beige	light grey		Variably altered laminated siltstone. bedding is disrupted by weakly mineralized veinlets
	22.92	27.26	gradational		calcareous siltstone		beige	grey		Unclear if this is a protolith change for a calcareous alteration of siliceous siltstone.
	27.26	48.53	broken		quartz feldspar porphyry		beige	green		Aphanitic groundmass with anhedral (subrounded) quartz and feldspar phenocrysts (up to 5 mm) felsdpar is variably sericite altered. no apperernt internal banding or variation in crystal size
	48.53	102	broken		siltstone		dark grey	medium grey	very fine	Variably altered laminated siltstone. bedding very convoluted down to 77 m. laminae become well defined between 77-102. soft sed deformation, folded, vein disruption
	102	107.91	sharp		quartz pebble conglomerate	siltstone	light grey	beige		Interbedded quartz pebble conflomerate (rounded grains up to 15 mm) interbedded with laminated siltstone. internal bedding contacts are sharp, no obvious graded beddin.

APPENDIX 4: Lithology

Hole ID	From (m)	To (m)	Contact Type	Lith Unit	Lith Major	Lith Minor	Colour 1	Colour 2	Grain Size	Notes
	107.91	143.77	gradational		quartz pebble conglomerate	sandstone	light grey	beige		Interbedded quartz pebble conglomerate (avg 8-10 mm subrounded grains, annealed boundaries) and fine to medium grained sandstone. bedding alternates between graded to convoluted.
	143.77	149.33	broken		siltstone	quartz pebble conglomerate	dark red	light grey		Interbedded laminated silstone (drilling subparallel tca) and quartz pebble conflomerate. beds are m-scale with sharp internal contacts. qpc clasts are subrounded, quartz fsp and average 5 mm wide.
	149.33	169.16	broken		quartz pebble conglomerate	sandstone	light grey	beige		Interbedded quartz pebble conglomerate (avg 2-4 mm subrounded grains, moderately annealed boundaries) and medium to coarse grained sandstone. bedding alternates between graded to convoluted.
	169.16	173.16	broken		siltstone		purple	light grey		Laminated siltstone, drilling subparrallel to bedding
	173.16	175.18	sharp		quartz pebble conglomerate		light grey	light green		
	175.18	182.05	sharp		siltstone	quartz pebble conglomerate	light brown			Interbedded laminated siltstone and coarse to very coarse grained sandstone. ss interbeds are up to 15 cm true thickness
	182.05	210.22	sharp		quartz pebble conglomerate	siltstone	light green	beige		Interbedded qpc and siltstone, drilling subparallel tca. qpc is quartz dominant and silica altered (annealed boundaries, rounded clasts). interbedding is chaotic, slt beds typically 1-5 cm. clasts of siltstone within massive qpc beds.
	210.22	215.73	sharp		siltstone		purple	beige		Laminated siltstone, drilling subparrallel to bedding
	215.73	216.08	sharp		quartz pebble conglomerate		white	beige		Thin interbed of coarse grained qpc. annealed grain boundaries, contacts are disruptive to siltstone bedding (high energy deposition?)
	216.08	254.82	sharp		siltstone					Laminated siltstone, drilling subparrallel to bedding. bedding is often undulating and convoluted.
	254.82	258.38	sharp		quartz feldspar porphyry					Aphanitic ground mass with medium to coarsely crystalline anhedral feldpsar and quartz phenos
	258.38	259.1	undulated		siltstone					Laminated siltstone, drilling subparrallel to bedding. bedding is often undulating and convoluted.
	259.1	272.43	sharp		quartz feldspar porphyry					
	272.43	274.05	undulated		siltstone		purple			Laminated siltstone, drilling subparrallel to bedding. undulated bedding looks like soft sed deformation.
	274.05	274.5	undulated		quartz feldspar porphyry		beige	light green		
	274.5	281.2	sharp		quartz pebble conglomerate		light grey	white		Poorly sorted, clasts are rounded, up to 10 mm, avg 5 mm. annealed grain boundaries. no apparent bedding
	281.2	282.3	sharp		siltstone		purple			Laminated siltstone, drilling subparrallel to bedding. undulated bedding looks like soft sed deformation.
	282.3	284.14	sharp		quartz pebble conglomerate	siltstone	purple	white		Interbedded qpc: poorly sorted, clasts are rounded, up to 10 mm, avg 5 mm. annealed grain boundaries. no apparent internal bedding and laminated slt: undulated bedding looks like soft sed deformation.
	284.14	293.4	sharp		siltstone	sandstone	purple	medium grey		Interbedded siltstone and fg-mg sandstone. convoluted bedding looks like combinate soft sed deformation and hydrothermal brecciation
	293.4	293.67	sharp		breccia		white			White vein breccia with angular quartz clasts up to 3 cm.
	293.67	309	sharp		sandstone		purple	medium green	fine-medium	Weak internal bedding, well sorted
JN1903z	**0**	**1.52**			**quartz pebble conglomerate**	**phyllite**				**Casing, 30% phyl, 60% grit, moderate oxidation**
	1.52	3.05			quartz pebble conglomerate	phyllite				Finley disseminated sooty-euhedral, trace py+aspy, moderate oxidation, 5% phyl, 70% grit
	3.05	4.57			quartz pebble conglomerate	phyllite				Finely disseminated py in qtz chips, 5% phly, 75% grit, moderate orange oxidation
	4.57	6.1			phyllite	quartz pebble conglomerate				50% phly, 10% grit, moderate oragne oxidation

APPENDIX 4: Lithology

Hole ID	From (m)	To (m)	Contact Type	Lith Unit	Lith Major	Lith Minor	Colour 1	Colour 2	Grain Size	Notes
	6.1	7.62			phyllite	quartz pebble conglomerate				Trace finely disseminated pyrite, 10% grit, 85% phyl, weak oxidation
	7.62	10.67			phyllite					Weak oxidation
	10.67	12.19			siltstone	phyllite				80% siltstone, 205 phyl, trace finely disseminated py in mm scale veinlets
	12.19	13.72			phyllite					Trace finely disseminated py, weak oxidation
	13.72	15.24			phyllite					
	15.24	21.34			phyllite					Trace very finely disseminated py in phyllite, weak oxidation
	21.34	24.38			phyllite					Trace very finely disseminated py in phyllite
	24.38	28.96			phyllite					Trace very finely disseminated py in phyllite and qtz chips, weak oxidation
	28.96	30.48			phyllite					Trace very finely disseminated py in phyllite and qtz chips
JN19033	**0**	**1.52**			**quartz pebble conglomerate**					**25% grit, 5% phyl, strong oxidation, casing**
	1.52	3.05			phyllite					5% grit, 55% phyl, strong oxidation, last casing
	3.05	6.1			phyllite					Moderate oxidation
	6.1	10.67			siltstone					Weak oxidation
	10.67	12.19			siltstone					Trace py, finely disseminated in qtz+silstone chips
	12.19	13.72			siltstone					
	13.72	15.24			siltstone					Trace finely disseminated py hosted in siltstone
	15.24	16.76			siltstone					Trace finely disseminated py hosted in siltstone and qtz chips
	16.76	21.34			phyllite					Trace finely disseminated py hosted in phyl chips, qtz chips and veinlets in qtz chips
	21.34	24.38			phyllite					Finely disseminated and veinlets of sooty py hosted in phyl and qtz chips and rare sulfide chips
	24.38	25.91			phyllite					Finely disseminated py hosted in phyl chips
	25.91	27.43			phyllite					Trace py finely disseminated in qtz chip hosted veinlets and as rare qtz chips
	27.43	30.48			phyllite					Trace py finely disseminated in qtz chip hosted veinlets and as rare qtz chips, weak oxidation
JN19034	**0**	**1.52**			**quartz pebble conglomerate**	**phyllite**				**55% grit, 15% phyl, strongly oxidaized, casing, rare green chunks (scorodite?)**
	1.52	3.05			quartz pebble conglomerate	phyllite				Trace finely disseminated py in qtz chips, 45% grit, 5% phyl, strongly oxidized, rare greenish chunks (scorodite), end of casing
	3.05	4.57			quartz pebble conglomerate	phyllite				5% phyl, 35% grit, strongly oxidized, trace finely disseminated py in qtz chips, rare greenish chunks (scorodite?)
	4.57	6.1			quartz pebble conglomerate	phyllite				Trace finely disseminated py in qtz chips, 40% grit, 20% phly, strongly oxidized with rare greenish chunks (scorodite)?
	6.1	7.62			phyllite					Moderately oxidized phyl
	7.62	10.67			phyllite					Trace finely disseminated py+aspy in phyl and qtz chips, moderate-strong oxidation
	10.67	15.24			siltstone					Trace finely disseminated py in siltstone and qtz chips, sporadic weak oxidation
	15.24	19.81			siltstone					Trace finely disseminated py in qtz chips, weak oxidation
	19.81	21.34			siltstone					Trace finely disseminated py in qtz chips
JN19035	**0**	**1.52**			**quartz pebble conglomerate**					**1% py+ aspy disseminated in qtz chips + as sulfide chips, sooty-euhedral form. moderate-strong oxidation, scorodite oxidized chunk, casing**

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Hole ID	From (m)	To (m)	Contact Type	Lith Unit	Lith Major	Lith Minor	Colour 1	Colour 2	Grain Size	Notes
	1.52	3.05			quartz pebble conglomerate					0.5% py+aspy finley disseminated in qtz+grit chips and as rare sulfide chips, sooty-euhedral form. moderate oxidation, silicified grey grit, casing
	3.05	4.57			phyllite	quartz pebble conglomerate				Trace finely disseminated py+aspy in qtz chips, moderate oxidation, 25% phyl, 10% grit
	4.57	6.1			phyllite	quartz pebble conglomerate				Moderate oxidized grit (10%), and qtz chips,85% phyl chips
	6.1	7.62			siltstone	quartz pebble conglomerate				Trace finely disseminated py, 10% oxidized grit chips, weak oxidation, end casing
	7.62	9.14			siltstone					Weak oxidation
	9.14	12.19			siltstone					Trace finely disseminated py in qtz chips
	12.19	13.72			siltstone					
	13.72	21.34			siltstone					Sporadic weak oxidation, trace finely disseminated py in qtz+silstone chips
	21.34	22.86			phyllite					Trace finely disseminated py in qtz
	22.86	24.38			phyllite					Trace finely disseminated py in qtz+ as mm scale veinlets
	24.38	25.91			phyllite					Trace finely disseminated py in qtz chips
	25.91	28.96			phyllite					Trace finely disseminated py in silstone, 25% interbedded silstone with fd py mine
	28.96	30.48			phyllite					Trace py finely disseminated in qtz chips + mm scale veinlets, 5% interbedded silstone
JN1903	**0**	**1.52**			**quartz pebble conglomerate**					**0.5% finely disseminated py+aspy hosted in qtz chips and, sulfide chips. casing, rare green scorodite chips, very silicified grit, moderate-strong oxidation**
	1.52	3.05			quartz pebble conglomerate					0.5% finely disseminated py+aspy hosted in qtz chips and, sulfide chips. casing, moderate oxidation, silicified grit
	3.05	4.57			quartz pebble conglomerate	phyllite				0.5% finely disseminated py+aspy hosted in qtz chips and, sulfide chips. casing. 5% phyl. 65% silicified grit, weak-moderate oxidation
	4.57	6.1			quartz pebble conglomerate	phyllite				0.5% finely disseminated py+aspy hosted in qtz chips and, sulfide chips. casing. moderate-strong oxidation, 30% silicified grit, 20% chips
	6.1	7.62			phyllite	quartz pebble conglomerate				Finely disseminated py+aspy hosted in qtz chips, 65% phyl, 10% grit, mod-strong oxidation
	7.62	12.19			siltstone					Weak oxidation
	12.19	13.72			phyllite					Trace finely disseminated py hosted in qtz + phyl chips, weak oxidation
	13.72	16.76			phyllite					Weak oxidation
	16.76	18.29			phyllite	siltstone				30% siltstone, trace finely disseminated py hosted in mm scale veinlets
	18.29	27.43			phyllite					Trace finely disseminated py hosted in mm scale veinlets
	27.43	30.48			phyllite	siltstone				5% silstone, trace finely disseminated py hosted in mm scale veinlets
JN1903	**0**	**3.05**			**phyllite**					**Moderately oxidized, casing**
	3.05	4.57			phyllite					Trace finely disseminated py in qtz chips, casing, moderate oxidation
	4.57	6.1			phyllite	quartz pebble conglomerate				20% greenish grit chips, 45% phyl, casing, moderate oxidation
	6.1	7.62			phyllite	quartz pebble conglomerate				20% grit, 40% phyl, trace finely disseminated py+aspy hosted in qtz chips, grit chips and sulfide chips, moderate oxidation
	7.62	9.14			phyllite	quartz pebble conglomerate				0.5% finely disseminated py+aspy hosted in qtz chips and mm scale sulfide chips sooty-euhedral, moderate oxidation, 50% phyl, 10% grit, end of casing

APPENDIX 4: Lithology

Hole ID	From (m)	To (m)	Contact Type	Lith Unit	Lith Major	Lith Minor	Colour 1	Colour 2	Grain Size	Notes
	9.14	10.67			siltstone	phyllite				Weak oxidation, 5% phyl, trace finely disseminated py in siltstone
	10.67	12.19			phyllite	siltstone				Weak oxidation, 30% sitlstone, 69% phyl
	12.19	13.72			siltstone	phyllite				Weak oxidation, 30% phyl, 65% siltstone
JN19038	**0**	**3.05**			**overburden**					**Moderately oxidized. 90% phyl. 5% grit, 5% qtz, casing**
	3.05	6.1			phyllite					Weak oxidation, end of casing at 6.1 m
	6.1	7.62			phyllite					Weak oxidation
	7.62	9.14			phyllite	quartz pebble conglomerate				10% grit, weak oxidation
	9.14	10.67			phyllite	quartz pebble conglomerate				Trace finely disseminated py in phyl, grit and qtz chips, 10% grit, 80% hpy, weak oxidation
	10.67	12.19			phyllite	quartz pebble conglomerate				Trace finely disseminated py in phyl, grit, qtz chips, and rare sulfide chips, 25% grit weak oxidized grit, 40% phyl
	12.19	13.72			quartz pebble conglomerate	phyllite				0.5% finely disseminated py+aspy in qtz, grit and sulfide chips, sooty-euhedral habit 10% phyl, 20% grit,
	13.72	15.24			quartz pebble conglomerate	phyllite				Trace py+aspy disseminated in grit and qtz chips, sooty-euhedral, 5% phyl, 35% grit
	15.24	16.76			quartz pebble conglomerate	phyllite				1.0% finely disseminated py+aspy in qtz chips, mm scale veinlets, mm scale sulfie chips, sooty-euhedral habit. 5% phyl, 65% grit
	16.76	18.29			quartz pebble conglomerate	phyllite				2.0% finely disseminated py+aspy in qtz chips, mm scale veinlets, mm scale sulfie chips, sooty-euhedral habit. 5% phyl, 10% grit
	18.29	19.81			quartz pebble conglomerate	phyllite				0.5% finely disseminated py+aspy in qtz chips, mm scale veinlets, mm scale sulfie chips, sooty-euhedral habit. 30% phyl, 40% grit
	19.81	21.34			quartz pebble conglomerate	phyllite				0.5% finely disseminated py+aspy in qtz chips, mm scale veinlets, mm scale sulfie chips, sooty-euhedral habit. 15% phyl, 20% grit
	21.34	22.86			quartz pebble conglomerate					0.5% finely disseminated py+aspy in qtz chips, mm scale veinlets, mm scale sulfie chips, sooty-euhedral habit. 60% grit
	22.86	24.38			quartz pebble conglomerate	phyllite				V0.5% finely disseminated py+aspy in qtz chips, mm scale veinlets, mm scale sulfie chips, sooty-euhedral habit. 35% grit, 25% phyl
	24.38	25.91			phyllite	quartz pebble conglomerate				Trace finely disseminated py in qtz chips, and sulfide chips, 50% phyl, 40% grit
	25.91	27.43			quartz pebble conglomerate	phyllite				Trace finely disseminated py in qtz chips, and sulfide chips, 35% phyl, 40% grit
	27.43	30.48			phyllite					Trace finley disseminated py in qtz chips
JN19039	**0**	**3.5**			**overburden**					
	3.5	21.05			siltstone		beige	grey	very fine	Laminated siltstone (laminae mm-scale)
	21.05	31.9			sandstone		beige	grey	medium-coarse	Massive sandstone interval. no apparent internal bedding or grading. subrounded quartz dominant grains, less common fsp grains are partially clay altered.
	31.9	36.9			quartz pebble conglomerate		grey	beige	coarse	Grain size increase from overlying interval. still no apparent bedding or internal grading. increased fsp content that is partially clay altered. subrounded grains
	36.9	38.26			sandstone		beige	dark grey	medium-coarse	Massive sandstone interval. no apparent internal bedding or grading. subrounded quartz dominant grains, less common fsp grains are partially clay altered.
	38.26	50.84			breccia		black	light grey		Polymict breccia, clasts up to 10 cm, angular. clasts comprised of laminated siltstone and medium grained sandstone.
	50.84	51.32			gouge		light brown			Fault breccia, mild rxn to hcl

APPENDIX 4: Lithology

Hole ID	From (m)	To (m)	Contact Type	Lith Unit	Lith Major	Lith Minor	Colour 1	Colour 2	Grain Size	Notes
	51.32	126			granodiorite		beige	light green		Porphyritic, aphanitic ground mass, phenos are anhedral to subhedral, quartz dominant, weak clay alteration of fsp.
JN1904(	**0**	**3.05**			**overburden**					**Grit-siltstone-qtz chips, casing moderate-strong oxidation**
	3.05	6.1			overburden					Grit-siltstone-qtz chips, casing moderate-strong oxidation, predominate qpc, trace fd py in grit chips
	6.1	10.67			siltstone					0.5% finely disseminated py in siltstone chips and as sulfide chips. weak oxidation, end casing at 7.62
	10.67	12.19			quartz pebble conglomerate					Trace finely disseminated py hosted in feldspathic qpc
	12.19	13.72			quartz pebble conglomerate					0.5% py and trace aspy finely disseminated, euhedral with rare sulfide chips and hosted in qtz chips and grit chips, feldspathic qpc
	13.72	15.24			quartz pebble conglomerate					0.5% finely disseminated py, euhedral, hosted in qtz chips and as rare sulfide chips. feldspathic qpc
	15.24	16.76			quartz pebble conglomerate					Trace sooty py, feldspathic qpc
	16.76	22.86			quartz pebble conglomerate					Trace finely disseminated py in qtz chips, and as rare sulfide chips, feldspathic qpc
	22.86	27.43			quartz pebble conglomerate	siltstone				Trace mm scale veinlets of sooty aspy and finely disseminated py, feldspathic qpc, up to 20% siltstone, 30% qpc
	27.43	28.96			quartz pebble conglomerate					Trace finely disseminated euhedral py
	28.96	32			siltstone					Trace sooty-euhedral py
JN19041	**0**	**1.52**			**overburden**					**Moderately oxidized, composed of dominantly phyllite with subordinate qtz and grit chips, casing**
	1.52	6.1			overburden					Strongly oxidized, dominantly grit chips with subordinate qtz and phyl, casing
	6.1	7.62			overburden					Trace finely disseminated py in qtz and grit chips, strongly oxidized, dominantly grit chips with subordinate qtz and phyl, casing
	7.62	9.14			siltstone					Trace finely disseminated py in qtz and siltstone chips, moderate oxidation, end of casing
	9.14	12.19			siltstone					Trace finely disseminated py in qtz and siltstone chips, weak oxidation, grey to dark blue
	12.19	13.72			siltstone	quartz pebble conglomerate				Trace finely disseminated py in qtz, grit and rare sulfide chips, 40% grey-white feldspathic qpc, 55% siltstone
	13.72	15.24			quartz pebble conglomerate	siltstone				Trace finely disseminated py in qtz, grit and rare sulfide chips, 65% grey-white feldspathic qpc, 30% dark blue siltstone
	15.24	16.76			quartz pebble conglomerate	siltstone				Trace finely disseminated py in qtz, grit and rare sulfide chips, 55% grey-white feldspathic qpc, 15% siltstone
	16.76	19.81			quartz pebble conglomerate	fault				Trace finely disseminated py+aspy in qtz, grit and rare sulfide chips, 60% grey-white feldspathic qpc, 10% fault sluff (?)
	19.81	24.38			quartz pebble conglomerate	fault				Trace finely disseminated py in qtz, grit and rare sulfide chips, 60% grey-white feldspathic qpc, 10% fault sluff (?)
	24.38	25.91			quartz pebble conglomerate	fault				2.0% finely disseminated py+aspy hosted in qtz, grit and mm scale sulfide chips, sooty. 5% fault sluff (?), 55% qpc
	25.91	28.96			quartz pebble conglomerate	fault				0.5% finely disseminated py+aspy hosted in qtz, grit and mm scale sulfide chips, sooty-euhedral. 5% fault sluff (?), 55% qpc
	28.96	30.48			quartz pebble conglomerate	fault				1.0% finely disseminated py+aspy hosted in qtz, grit and mm scale sulfide chips, sooty-euhedral. 5% fault sluff (?), 55% qpc

APPENDIX 4: Lithology

Hole ID	From (m)	To (m)	Contact Type	Lith Unit	Lith Major	Lith Minor	Colour 1	Colour 2	Grain Size	Notes
	30.48	32			quartz pebble conglomerate	fault				0.5% finely disseminated py+aspy hosted in qtz, grit and mm scale sulfide chips, sooty-euhedral. 5% fault sluff (?), 65% qpc
	32	33.53			quartz pebble conglomerate	fault				Trace finely disseminated py+aspy hosted in qtz, grit and mm scale sulfide chips, sooty-euhedral. 5% fault sluff (?), 55% qpc
	33.53	38.1			quartz pebble conglomerate	fault				Trace sooty aspy+py finely disseminated in qtz chips and sulfide chips. 105 fault sluff (?), 70% qpc
	38.1	39.62			quartz pebble conglomerate	siltstone				Trace sooty aspy+py finely disseminated in qtz chips and sulfide chips. 10% fault sluff (?), 5% silstone, 55% qpc
JN19042	**0**	**3.05**			**overburden**					**Casing, moderate oxidation, dominantly phyllite, subordinate grit and qtz chips**
	3.05	4.57			overburden					Casing, moderate-strong oxidation, dominant grit, subordinate siltstone, qtz chips
	4.57	9.14			overburden					Casing, fault zone sluf, moderate oxidation, subordinate grit chips
	9.14	10.67			overburden	siltstone				90% black fault sluff, 10% silstone, moderate oxidation, casing
	10.67	12.19			siltstone	overburden				Trace finely disseminated py in siltstone, moderate oxidation, 50% siltstone, 45% fault sluff, end of casing
	12.19	16.76			siltstone	fault				Trace finely disseminated py in siltstone and sulfide chips, euhedral. weak oxidation, 15% black fault sluff, 85% siltstone
	16.76	18.29			siltstone					Trace finely disseminated sooty-euhedral py hosted in qtz chips. 50% qtz chips, moderate oxidation, black finer grained rock chips, soft drilling - fault zone?
	18.29	19.81			siltstone					Trace finely disseminated py in siltstone, moderate oxidation
	19.81	21.34			siltstone	fault				Trace py finely disseminated in siltstone and as euhedral chips. 45% siltstone, 50% fault sluff, moderate oxidation
	21.34	24.38			siltstone					Trace py finely disseminated in siltstone and as euhedral chips. 45% light siltstone, and 50% darker siltstone, weak oxidation
	24.38	27.43			siltstone					0.5% sooty-euhedral py+aspy in sulfide chips, qtz chips and siltstone chips, 10% darker siltstone, 85% lighter siltstone
	27.43	28.96			siltstone					1.0% sooty-euhedral py+aspy in sulfide chips, qtz chips and siltstone chips, 10% darker siltstone, 85% lighter siltstone
	28.96	30.48			siltstone	quartz pebble conglomerate				2.0% sooty-euhedral py+aspy in sulfide chips, qtz chips and siltstone chips. 25% qpc, 35% mixed dark and light siltstone
	30.48	32			quartz pebble conglomerate	siltstone				2.0% sooty-euhedral py+aspy in sulfide chips, qtz chips and siltstone chips. 50% qpc, 20% mixed dark and light siltstone
	32	33.53			quartz pebble conglomerate	siltstone				1.0% sooty-euhedral py+aspy in sulfide chips, qtz chips and siltstone chips. 20% grit, 5% silststone, 5% black fault sluff.
	33.53	39.62			quartz pebble conglomerate	siltstone				0.5% sooty-euhedral py+aspy in sulfide chips, qtz chips and siltstone chips. 20% grit, 5% silststone, 5% black fault sluff.
JN19043	**0**	**6.1**			**overburden**					**Casing, dominantly phyl chips, subordinate grit and qtz, moderate oxidation**

APPENDIX 4: Lithology

Hole ID	From (m)	To (m)	Contact Type	Lith Unit	Lith Major	Lith Minor	Colour 1	Colour 2	Grain Size	Notes
	6.1	7.62			overburden	siltstone				Trace finely disseminated py in siltstone, hit water - overburden bedrock contact, moderte strong oxidation, silstone 30%
	7.62	9.14			siltstone					Trace finely disseminated py in siltstone chips, weak-moderate oxidation in siltstone, end of casing
	9.14	10.67			siltstone	quartz pebble conglomerate				Trace finely disseminated py in siltstone and qtz chips, 25% qtz, 50% siltstone, 25% grit
	10.67	12.19			quartz pebble conglomerate					Trace finely disseminated py in qtz chips and in rare sulfide chips, euhedral, feldspathic qpc with 15% qtz chips
	12.19	13.72			quartz pebble conglomerate					Trace finley disseminated sooty py+aspy in qtz chips and rare sulfide chips
	13.72	15.24			quartz pebble conglomerate					Trace finely disseminate py in qtz chips, 10% siltstone chips
	15.24	16.76			quartz pebble conglomerate					Trace finely disseminated py in qtz chips and rare sulfide chips
	16.76	18.29			quartz pebble conglomerate					Trace finely disseminated py in qtz chips, weak oxidation
	18.29	19.05			quartz pebble conglomerate					Trace finely disseminated and mm scale veinlets py+aspy in qtz chips and rare sulfide chips, sooty-euhedral, weak oxidation, only got half od run as ground conditions were bad

APPENDIX 4: Lithology Mineralogy

Hole ID	From (m)	To (m)	Mineral	Percent	Grain Size	Texture	Notes
JN19020	**51.67**	**62.68**	**quartz**	**80**	**coarse**		
	51.67	62.68	feldspar	20			Altered to clay
	62.68	66.19	feldspar	20			Clay altered
	62.68	66.19	quartz	80	very coarse		
	66.19	68.05	quartz	100			
	68.05	70.48	feldspar	20			Clay altered
	68.05	70.48	quartz	80			Very coarse to medium grained, subrounded to subangular
	117	163.4	calcite	75			Intense rxn with hcl
	175	178.18	biotite	5	medium		
	175	178.18	feldspar	35	medium		Variably clay altered
	175	178.18	quartz	60	medium		
JN19021	**139.37**	**147.55**	**garnet**				
	139.37	147.55	clay				
JN19031	**27.26**	**48.53**	**feldspar**	**25**			
	27.26	48.53	quartz	70			
	27.26	48.53	sericite	4			
	27.26	48.53	biotite	1			Increases towards middle of unit
	107.91	143.77	feldspar				
	107.91	143.77	quartz				
	254.82	258.38	biotite	1			
	254.82	258.38	feldspar	35			
	254.82	258.38	quartz	60			
JN19039	**21.05**	**31.9**	**feldspar**	**5**			
	21.05	31.9	quartz	95			
	31.9	36.9	feldspar	20	medium-coarse		
	31.9	36.9	quartz	80	medium-coarse		
	36.9	38.26	quartz	95	medium-coarse		
	36.9	38.26	feldspar	5			

APPENDIX 4: Lithology Texture

Hole ID	From (m)	To (m)	Texture	Notes
JN19020	**10.6**	**51.67**	**laminated**	
	10.6	51.67	soft sediment deformation	Convoluted bedding
	10.6	51.67	Fracture Density - mod	
	51.67	62.68	well sorted	Well sorted quartz grains, no obvious internal bedding or grading.
	62.68	66.19	graded	Grading up bedding from vfg ss to siltstone
	62.68	66.19	interbedded	Interbedded qpc and laminated siltstones
	62.68	66.19	laminated	Siltstone has well preserved laminae
	62.68	66.19	soft sediment deformation	Common in siltstone intervals.
	66.19	68.05	bedded	
	66.19	68.05	graded	
	68.05	70.48	interbedded	
	68.05	70.48	laminated	
	68.05	70.48	soft sediment deformation	Common in the siltstone
	68.05	70.48	graded	Some graded bedding within the qpc (typically coarse grading up to fine) and within the siltstone (very fine sand to silt)
	70.48	107.5	bedded	
	70.48	107.5	graded	
	175	178.18	glassy	
	185.49	222	laminated	
	185.49	222	interbedded	
JN19021	**10.93**	**16.1**	**interbedded**	
	10.93	16.1	soft sediment deformation	
	16.1	39.2	graded	
	16.1	39.2	interbedded	
	39.2	51.16	bedded	
	39.2	51.16	graded	
	39.2	51.16	laminated	
	51.16	84.34	interbedded	M-scale
	51.16	84.34	graded	
	84.34	111.88	peloidal	
	84.34	111.88	interbedded	
	84.34	111.88	laminated	
	111.88	114	banded	
	111.88	114	massive	

APPENDIX 4: Lithology Texture

Hole ID	From (m)	To (m)	Texture	Notes
	114	139.37	interbedded	
	114	139.37	laminated	
	114	139.37	peloidal	
	147.55	160.95	graded	
	147.55	160.95	interbedded	
	160.95	168.91	laminated	
	160.95	168.91	interbedded	
	198.16	204.5	interbedded	
	198.16	204.5	laminated	
	204.5	224.5	brecciated	Matrix supported
	246	249.58	banded	
	253.85	303	soft sediment deformation	
	253.85	303	turbidite	
	253.85	303	laminated	
	253.85	303	interbedded	
JN19031	**12.24**	**22.92**	**laminated**	
	48.53	102	convoluted bedding	
	48.53	102	laminated	
	102	107.91	convoluted bedding	
	102	107.91	interbedded	
	107.91	143.77	convoluted bedding	
	107.91	143.77	graded	
	107.91	143.77	interbedded	
	149.33	169.16	graded	
	149.33	169.16	interbedded	
	169.16	173.16	laminated	
	182.05	210.22	interbedded	
	182.05	210.22	laminated	
	216.08	254.82	convoluted bedding	
	216.08	254.82	laminated	
	274.5	281.2	massive	
	274.5	281.2	moderately sorted	
	281.2	282.3	convoluted bedding	
	281.2	282.3	laminated	
	281.2	282.3	soft sediment deformation	
	282.3	284.14	interbedded	
	282.3	284.14	laminated	

APPENDIX 4: Lithology Texture

Hole ID	From (m)	To (m)	Texture	Notes
	284.14	293.4	brecciated	
	284.14	293.4	interbedded	
	284.14	293.4	soft sediment deformation	
	293.4	293.67	brecciated	
	293.67	309	well sorted	
JN19039	**3.5**	**21.05**	**laminated**	

APPENDIX 4: Weathering

Hole ID	From (m)	To (m)	Distribution	Intensity	Notes
JN19031	**12.24**	**22.5**	**fractures**	**3**	**Iron oxidation on fracture planes**
	22.5	48.53	fractures	2	Iron oxidation on fracture planes
JN19039	**3.5**	**11**	**fractures**	**4**	**Feo staining along fractures**
	11	21	fractures	2	Feo staining along fractures
	21	26	fractures	1	Feo staining along fractures

APPENDIX 4: Alteration

Hole ID	From (m)	To (m)	Rank	Assemblage	Generation	Process	Texture	Distribution	Intensity	Notes
JN19020	**10.6**	**51.56**	**1**			**replacement**		**stratabound**	**2**	**Stratabound maroon alteration (hematite) altertnating with bleached siltstones with weak to moderate clay alteration.**
	33	51.56	3			replacement	banded	stratabound	2	Strata bound carbonate alteration (light grey beds). increased intensity to bottom of interval. moderate to intensely alterted laminae look "marbled"
	42.23	42.33	2			replacement	banded	stratabound	1	Weak formation of banded garnet rich skarn
	66.58	67.85	1			replacement		stratabound	3	Hornfelsed quartz pebble conglomerate (partial to complete annealing of grain boundaries). seems to be controlled by quartz component of qpc (no feldspars in this interval to alter to clay)
	67.85	107.5	1			replacement			2	Patchy silica alteration, moderately annealed grain boundaries overprinted by clay alteration
	67.85	107.5	2			replacement			2	Clay alteration of feldspar and matrix/cement in qpc.
	107.5	114	1					stratabound	3	Intense clay alteration
	107.5	114	2						1	Hematite
	114	164.06	1					stratabound	3	Carbonate alteration through gouge zone
	150	154.37	2					stratabound	3	Intense clay alteration (no rxn with hcl) zones within the limestone gouge
	164.06	166.94	1					vein controlled	4	Intense silica alteration in a zone of massive sulphide
	166.94	171.04	1			replacement			4	Retrograde skarn, intense limonite alteration. remnant patchy garnet is clay altered, some remaining pyroxene
	171.04	172.48	2					vein controlled	2	Calc-silicate envelopes (up to 3 cm wide) around quartz-carbonate veins
	171.04	172.48	1						5	Prograde skarn alteration. patchy garnet and pyroxene replacement of protolith. very hard.
	172.48	172.78	1					stratabound	4	Retrograde skarn. see overlying
	172.78	173.37	3					stratabound	5	Prograde skarn (garnet and pyroxene) with calc silicate alteration halos around qc veinlets. see overlying description
	172.78	173.37	2					halo	4	Calc-silicate alteration halos around qc veinlets
	173.37	173.79	1					stratabound	4	Retrograde skarn. see overlying description
	173.79	175	1					stratabound	5	Prograde skarn. see overlying description. minimal calc silicate alteration halos
	175	178.18	1					stratabound		Clay alteration of feldspars, biotite, white mica and chlorite alteration of qfp.
	178.18	180.49	1			replacement		stratabound	4	Pyroxene alteration
	178.18	180.49	3			replacement		stratabound	4	Limonite alteration of skarn, soft patchy green mineral (remaining pyroxene? or clay alteration?) looks overprinted by limonite
	178.18	180.5	2					stratabound	5	Retrograde skarn alteration. see overlying description
	180.5	185.19	1					stratabound	5	Prograde skarn. dark green, dominantly pyroxene, not as much garnet as the overlying intervals. very hard
	185.19	222	1					vein controlled	2	Variable silica alteration related to vein density.

APPENDIX 4: Alteration

Hole ID	From (m)	To (m)	Rank	Assemblage	Generation	Process	Texture	Distribution	Intensity	Notes
	185.19	222	2					stratabound	1	Weak clay alteration of some sandstone intervals (alteration of fsp clasts)
	185.19	222	3						1	Preferential hematite alteration of laminae in siltstone intervals.
JN19021	**10.93**	**39.2**	**1**			**replacement**		**pervasive**	**3**	**Pervasive moderate silica alteration of interval. grain boundaries are annealed but primary structures are preserved.**
	10.93	22.41	2			replacement			2	Clay alteration of feldspars
	22.41	39.2	2			replacement		selective	3	Increased clay alteration of feldspar clasts in qpc, some oxidation of iron along fracture planes, clay alteration of matrix. early silica alteration (annealed grains) overprinted by clay alteration
	39.2	51.15	2					selective	2	Clay alteration selective to sandstone intervals (alteration of feldspar grains?)
	39.2	84.34	1					vein controlled	2	Dark grey/black aphanitic vein material (chert or tourmaline? too fg to tell, thin section recommended) is controlling silica alteration
	51.15	84.34	2					selective	2	Clay alteration of feldspars
	84.34	98.46	2					stratabound	1	Red/maroon alteration of laminae. hematite or biotite(potassic)?
	84.34	104.34	1					pervasive	1	Clay alteration of sediments, overprinted by hematite
	104.34	111.08	1					selective	3	Start of banded skarn alteration, alternating green (pyroxene) and red (hematite) laminae with very coarsely crystalline garnet.
	111.08	113.08	1					selective	4	Prograde skarn alteration
	113.08	114	1					selective	3	Start of banded skarn alteration, alternating green (pyroxene) and red (hematite) laminae with very coarsely crystalline garnet (clay altered)
	114	118.95	1					selective	2	Moderate clay alteration of laminated siltstone
	118.95	139.37	1					selective	4	Banded skarn alteration, alternating green (pyroxene) and red (biotite?) laminae with very coarsely crystalline garnet (clay altered)
	118.95	139.37	2					vein controlled	2	Carbonate (siderite?) alteration halos overprint earlier skarn alteration
	139.37	147.55	1					pervasive	5	Banded skarn alteration, alternating green (pyroxene) and red (biotite?) laminae with very coarsely crystalline garnet (clay altered)
	139.37	147.55	2					pervasive	4	Retrograde alteration of banded skarn, garnet and pyroxene intervals are intsensly clay altered.
	147.55	204.5	1					selective	2	Clay alteration of feldspar grains and fine grained sediments.
	160	169	2					vein controlled	2	Aphanitic dark grey/black very hard mineral in veinlets (tourmaline?)
	204.5	224.5	1							Gouge, dark grey to black (graphite?)

APPENDIX 4: Alteration

Hole ID	From (m)	To (m)	Rank	Assemblage	Generation	Process	Texture	Distribution	Intensity	Notes
	224.5	237.8	1							
	237.8	240	1					pervasive	5	Clay altered fault gouge.
	240	240.93	1							Carbonate alteration of fault gouge
	240.93	246	1					pervasive		Clay altered fault gouge
	246	249.58	1						5	Massive sulphide replacement
	248.58	253.85	2					halo	4	Calc-silicate, tourmaline? and magnetite vein halos
	249.8	253.85	1					pervasive	5	Prograde skarn alteration (dark green) very hard, semi-massive sulphide replacement
	253.85	264	1					selective	3	Selective hemite and biotite alteration of siltstone, moderate silica alteration
	253.85	278.66	3					halo	2	Alteration rims around qtz veins, bleached, hard (silica). some soft, pale yellow alteration rims (epidote?)
	264	267.55	1						4	Increased silica alteration, selective biotite and hematite
	267.66	270.75	1					pervasive	3	Bleaching, unknown alteration mineral, soft (not clay altered)
	270.75	283.91	2					pervasive	2	Silica altered
	270.75	283.91	1						2	Selective hemite and biotite alteration of siltstone, moderate silica alteration
	283.91	289.03	1					pervasive	4	Intensely silica altered (hornfels?) annealed grain boundaries, biotite alt
	289.03	298.97	1						2	Selective hemite and biotite alteration of siltstone, moderate silica alteration.
	289.03	303	2					halo	1	Soft, yellow alteration halos (epidote?)
	298.97	303	1					local	1	Selective hemite and biotite alteration of siltstone, moderate silica alteration.
JN19031	**12.24**	**22.16**	**1**			**replacement**		**selective**	**2**	**Selective clay alteration of siltstone laminae**
	22.16	24.16	1			replacement		pervasive	4	Pervasive clay alteration of siltstone
	22.92	27.26	2					pervasive	2	Carbonate alteratino of sediments
	24.16	27.26	1					pervasive	3	Silica alteration of laminated siltstone. good preservation of primary sed structures.
	27.26	48.53	1					selective	2	Sericite alteration of felspar
	27.26	48.53	2					fractures	1	Clay alteration along fracture planes (typically oxidized)
	48.53	71.6	2						2	Silica alteration of laminated siltstone. convoluted bedding looks more like structural deformation than an alteration product.
	48.53	71.6	3						2	Patchy maroon bioitite alteration
	48.53	77	4					vein controlled	1	Mm epidote vein halos
	48.53	102	1						1	Early chlorite alteration
	71.6	102	2						1	Weak silica alteration
	102	107.91	2					selective	3	Selective silica alteration of qpc interbeds. grain boundaries annealed.
	102	110.67	1						1	Patchy hematite alteration
	110.42	129.9	3					selective	3	Clay atleration of felspar grains in qpc. more pervasive in sandstone interbeds.

APPENDIX 4: Alteration

Hole ID	From (m)	To (m)	Rank	Assemblage	Generation	Process	Texture	Distribution	Intensity	Notes
	129.85	143.77	2					pervasive	3	Silica alteration overprinting earlier clay alteration of feldspar grains.
	129.9	143.77	1					selective	1	Fracture controlled clay alteration of feldspar grains
	143.77	145	1					selective	1	Selective hematite alteration of siltstone
	143.77	145	2					fractures	3	Alteration of vein matertial into green clay, some association with elevated min observed
	145	149.33	1					selective	1	Hematite alteration of siltstone
	145	149.33	3					vein controlled	3	Epidote alteration halos around veinlets up to 3 cm from vein margin
	146	147	2					selective	3	Silicified vfg-fg sandstone interbed
	149.33	169.77	1					selective	2	Early silicification of qpc (moderately annealed grain boundaries)
	149.33	169.77	2					selective	2	Clay alteration of felspar, fracture controlled
	149.33	169.77	3					vein controlled	2	Alteration of vein matertial into green clay, some association with elevated min observed
	169.77	173.16	2					vein controlled	2	Epidote alteration halos around veinlets (up to 2 cm)
	169.77	173.16	3					selective	2	Silica alteration (multiple phases?) postdates some epidote alteration. likely an earlier phase as well
	169.77	173.16	1					pervasive	2	Hematite alteration of siltstone
	173.16	175.2	1					pervasive	2	Silica alteration of qpc overprinted by clay alteration of vein matierial and along fracture planes
	173.16	175.2	2					fractures	3	Alteration of vein matertial into green clay, some association with elevated min observed
	175.2	186.74	1						2	Patchy silica alteration
	175.2	186.74	2					selective	1	Alteration of vein matertial into green clay
	175.2	186.74	3					vein controlled	1	Epidote alteration halos around veinlets
	186.74	198.3	1						3	Chlorite alteration of the matrix/cement overprinted by silica alt
	186.74	198.3	2					pervasive	4	Intense silica alteration of qpc (hornfels?)
	198.3	210.22	1					pervasive	3	Strong silica alteration of qpc, moderately annealed grain boundaries. early yellow alteration mineral in vein halos overprinted by silica
	210.22	218	2					selective	3	Silica flooding from increased quartz veinlets, overprints earlier selective hematite and ?epidote alteration of laminae.
	218	254.82	1					selective	2	Early hematite and chlorite alteration of laminated siltstone
	218	254.82	2						1	Variably altered silstone (chlorite?) common along laminate. epidote alteration around late stagequartz-feldspar veinlets.
	254.82	258.38	1					vein controlled	1	Sericite alteration of feldspar and along hair thin veinlets/fractures
	258.38	259.1	2					pervasive	3	Vfg purple alteration mineral (biotite??)
	258.38	259.1	1					selective	1	Early hematite and chlorite alteration of laminated siltstone.
	259.1	274.5	1					selective	1	

APPENDIX 4: Alteration

Hole ID	From (m)	To (m)	Rank	Assemblage	Generation	Process	Texture	Distribution	Intensity	Notes
	274.5	309	1					selective	3	Selective alteration of siltstone and sandstone interval (interprettedat biotite)
	274.5	281.2	2					pervasive	4	Pervasive silica alteration of qpc, moderately annealed grain boundaries
	282.3	284.13	2					pervasive	3	Pervasive silica alteration of qpc, moderately annealed grain boundaries
	289.79	290.51	2						3	Silica flooding brecciates sediments, weakly pyrrhotite mineralized
	292	292.23	2						3	Silica flooding brecciates sediments
JN19039	**21.05**	**31.9**	**1**					**pervasive**	**2**	**Silicified sandstone**
	21.05	31.9	2					selective	1	Weak clay alteration of fsp
	31.9	36.9	1					selective	2	Weak to moderate clay alteration of fsp and along fracture planes
	31.9	36.9	2					selective	1	Weak gouge development (5% of interval)
	36.9	51.32	1						4	Breccia and fault gouge
	49	51.32	2					selective	2	Calcite alteration of breccia matrix and fault gouge
	51.32	53	2					selective	2	Clay alteration of feldspar phenocrysts
	51.32	64.52	1					selective	2	Sericite alteration of feldspar and biotite (patchy alteration of biotite). alteration halos around late qc stringers is common.
	64.52	126	1					selective	1	Sericite alteration of fsp still common, intensity of biotite alteration decreases down hole. salt and pepper appearance at 84.5 to bottom

APPENDIX 4: Alteration Mineralogy

Hole ID	From (m)	To (m)	Rank	Mineral	Intensity	Texture	Notes
JN19020	**10.6**	**51.56**	**1**	**clay**	**2**		**Clay alteration is highly variable and appears to be strata bound. clay rich beds tend to be light grey to buff**
	10.6	51.56	1	hematite	1		Preferential hematite alteration of laminae. control on alteration is unclear
	10.6	51.56	1	chlorite	1		Early chlorite is overprinted by clay alteration.
	33	51.56	3	calcite	2		
	67.85	107.5	1	silica	2		
	67.85	107.5	2	clay	2		Alteration of feldspar grains and qpc cement. intensity increases and forms clay envelopes around fractures.
	107.5	114	1	clay	3	pervasive	Intense unknown clay alteration.
	107.5	114	2	hematite	1	patchy	Hematite staining on clay
	114	164.06	1	carbonate	3		Carbonate alteration of protolith (lms? lms cement breccia?)
	166.94	171.04	1	limonite	4		
	166.94	171.04	1	pyroxene	2		
	166.94	171.04	1	garnet			Clay altered.
	171.04	172.48	1	pyroxene	4		
	171.04	172.48	1	silica	4		
	171.04	172.48	2	calc silicate	2	vein halo	
	171.04	172.48	1	garnet	2		
	172.78	173.37	2	calc silicate	4		
	178.18	180.49	1	pyroxene	1		Vfg dark green mineral overprinted by limonite alteration
	178.18	180.49	3	limonite	4	massive	
	180.5	185.19	1	garnet	1		
	180.5	185.19	1	pyroxene	5		
	180.5	185.19	1	silica	4		
	185.19	222	1	silica			
JN19021	**10.93**	**39.2**	**1**	**silica**	**3**	**pervasive**	
	10.93	22.41	2	clay			Alteration of feldspar grains. some fracture control in fine grained strata
	39.2	51.15	2	clay			
	39.2	84.34	1	silica			
	51.15	84.34	2	clay			Alteration of feldspar grains. some fracture control in fine grained strata
	84.34	98.46	2	hematite	1		

APPENDIX 4: Alteration Mineralogy

Hole ID	From (m)	To (m)	Rank	Mineral	Intensity	Texture	Notes
	84.34	104.34	1	clay	1		
	111.08	113.08	1	pyroxene	4		
	111.08	113.08	1	silica			
	113.08	114	1	hematite	3		
	113.08	114	1	pyroxene	3		
	113.08	114	1	garnet	1		
	113.08	114	1	clay	3		
	114	118.95	1	clay	2		
	118.95	139.37	1	actinolite			
	118.95	139.37	1	biotite			
	118.95	139.37	1	calc silicate	2	vein halo	
	118.95	139.37	1	garnet			
	118.95	139.37	1	pyroxene			
	118.95	139.37	2	siderite	3	vein halo	
	139.37	147.55	2	clay			
	139.37	147.55	1	actinolite	3		
	139.37	147.55	1	biotite	4		
	139.37	147.55	1	calc silicate	2		
	139.37	147.55	1	garnet	4		
	139.37	147.55	1	pyroxene	4		
	147.55	204.5	1	clay	2		
	160	169	2	tourmaline	2		
	240	240.93	1	carbonate			
	246	249.58	1	pyrite			
	246	249.58	1	pyrrhotite			
	248.58	253.85	2	calc silicate	4	vein halo	Up to 1 cm halos
	248.58	253.85	2	magnetite	2	vein halo	
	248.58	253.85	2	tourmaline	2	vein halo	
	249.8	253.85	1	actinolite	4		
	249.8	253.85	1	silica	4		
	249.8	253.85	1	garnet	3		Bands of garnet (cm-scale)
	249.8	253.85	1	pyroxene	4		
	253.85	264	1	hematite	3		
	253.85	264	1	silica	2		
	253.85	278.66	3	epidote	1	vein halo	
	253.85	278.66	3	silica	2	vein halo	
	264	267.55	1	biotite	2	selective	
	264	267.55	1	hematite	2	patchy	

APPENDIX 4: Alteration Mineralogy

Hole ID	From (m)	To (m)	Rank	Mineral	Intensity	Texture	Notes
	264	267.55	1	silica	4	pervasive	
	270.75	283.91	1	silica			
	270.75	283.91	2	silica	4		
	270.75	283.91	1	biotite			
	270.75	283.91	1	hematite			
	283.91	289.03	1	biotite	2		
	283.91	289.03	1	silica	4		
	289.03	298.97	1	biotite	2		
	289.03	298.97	1	hematite	1		
	289.03	298.97	1	silica	2		
	289.03	303	2	epidote	1	vein halo	
	298.97	303	1	biotite			
	298.97	303	1	clay			
	298.97	303	1	hematite			
JN19031	**12.24**	**22.16**	**1**	**clay**	**2**		
	22.16	24.16	1	clay	4		
	22.92	27.26	2	carbonate	2		
	24.16	27.26	1	silica	3		
	27.26	48.53	1	sericite	2		
	27.26	48.53	2	clay	1	fracture controlled	
	27.26	48.53	2	iron staining	2	fracture controlled	
	48.53	71.6	3	biotite	2	patchy	
	48.53	77	4	epidote	1	vein halo	
	102	107.91	2	silica	3	selective	
	254.82	258.38	1	sericite	2	vein halo	Also selective alteration of feldspar
	259.1	274.5	1	sericite	1		Weak sericite alteration of felsdpar phenos and thin halos around hair thin veinlets/fractures
	274.5	309	1	biotite			
	289.79	290.51	2	silica	3	massive infill	

APPENDIX 4: Mineralization

Hole ID	From (m)	To (m)	Rank	Code	Habit	Oxidation	Notes
JN19020	**10.6**	**51.56**	**1**		**blebby**	**1**	**Pyrite/pyrrhotite is observed in late quartz-calcite veinlets and finely disseminated along bedding planes and in halos around mineralized veinlets.**
	51.56	66.58	1		blebby	2	Weakly mineralized pyrite/pyrrhotite concentrated in interbedded siltstone intervals. individual pyrite crystals common in qpc matrix.
	66.58	88	1		blebby	1	Blebby pyrite in a silicified qpc. unknown grey sooty sulphide in patches up to 1 mm wide.
	88	107.5	1		blebby	1	Blebby pyrite with intergrown arsenopyrite. asp is rarely associated with trace amounts of chalcopyrite and sphalerite in blebby patches up to 3 mm wide (in mily white, fine to coarsely crystalline qtz veinlets)
	114	117	1		breccia matrix	1	Matrix of fault gouge/breccia contains disseminated pyrite. potentially other sulphides, difficult to id due to high gouge% and intense alteration.
	116	117	2		semimassive		30 cm interval with semimassive pyrite in quartz vein with disseminated pyrite in breccia matrix. true thickness up to 5 cm.
	117	161.25	1		interstitial		Interstitial cubic pyrite throughout. looks to postdate gouge (well formed cubic habit) possible ground sulphide giving the gouge its dark colour?
	156	160.18	2		veined		Pyrite mineralized carbonate veinlets (<1mm) approx 35 deg tca, vein spacing 5/m.
	161.25	163.74	1		interstitial		Pyrite concentration increase to bottom of shear zone. trace amounts of cpy in base of the gouge.
	163.75	166.94	1		massive		Massive sulphide interval. mineralized banding is perp tca, good true thickness. interval is intensely silicified
	166.94	167.75	1		veined		Weakly mineralized quartz veins. density descreases to bottom of interval.
	166.94	167.75	2		disseminated		Disseminated pyrite, locally concentrated at vein margins. concentration decreases to bottom of the interval
	172	175	1		veined		Semi massive pyrite-bearing qc veins up to 2 cm thick (only preserved in the prograde skarn, no min in retrograde intervals)
	172	175	2		disseminated		Vfg disseminated pyrite in prograde skarn
	175	178.18	1		blebby		Blebby pyrite along qtz vein margins

APPENDIX 4: Mineralization

Hole ID	From (m)	To (m)	Rank	Code	Habit	Oxidation	Notes
	178.18	180.65	1		veined		Minor veined pyrite in a retrograde skarn interval. vfg black sooty sulphide (altered pyrite?)
	180.65	185.67	1		disseminated		Dissem pyrite in prograde skarn
	185.67	212	1		veined		Quartz veining with blebby pyrite, less common sphalerite, moly, bismuth and telluride
	212	222	1		veined		Weak pyrite mineralization to end of hole
JN19021	**10.63**	**16.82**	**1**			**3**	**Pyrite in qc veinlets**
	16.82	26	1			2	Pyrite, arsenopyrite, galena in quartz veins up to 2 cm thick
	26	69	1				Weak pyrite mineralization in cherty/qtz veins.
	69	84.36	1				Blebby pyrite mineralization in mm to cm-scale qtz veining (sub parallel tca)
	79.6	79.8	2				Blebby pyrite and minor chalcopyrite along margins of qtz veins
	84.36	104.36	1				Weak pyrite mineralization along vein margins, less common sulphide replacement along bedding planes.
	104.36	139.37	1				Weak pyrite mineralization disseminated along vein margins and along bedding planes
	147.55	198.16	1				Weak pyrite mineralization disseminated along vein margins and along bedding planes
	198.16	216	1				Weak pyrite mineralization replaces breccia matrix.
	216	224	1				Increased pyrite/pyrrhotite (minor cpy) min in breccia matrix and ground up in fault gouge.
	224	246	1				Weakly mineralized fault gouge
	246	249.58	1				Massive sulphide (pyrrhotite dominant) in highly silicified zone
	249.58	254.85	1				Sulphide replacement (bands and veined) in skarn interval
	254.85	264.7	1				Weak pyrite/pyrrhotite min hosted in qtz veinlets.
	257	258	2				Malachite on clay altered fracture surface
	264.7	270	1				Blebby pyrite mineralization in cm-scale qtz vein. minor vfg grey sulphide blebs (arsenopyrite?)
	270	280	1				Weak pyrite/pyrrhotite min hosted in qtz veinlets.
	280	282.5	1				Qtz vein subparallel tca with cm-scale blebby mineral (platy, polished by drill, bismuth?)
	282.5	303	1				Weakly pyrite mineralized quartz veinlets. shallow tca

APPENDIX 4: Mineralization

Hole ID	From (m)	To (m)	Rank	Code	Habit	Oxidation	Notes
JN19022	**3.05**	**4.57**	**1**	**Pyrite**		**2**	**Trace pyrite finely disseminated in oxidized fragments within quartz**
	9.14	10.67	1	Pyrite		1	Trace finely disseminated pyrite in quartz, weakly oxidized.
	10.67	12.19	1	Pyrite-Arsenopyrite		1	Trace finely disseminated sulfides hosted in quartz veins
	13.72	16.76	1	Pyrite-Arsenopyrite		2	
	16.76	18.29	1	Pyrite-Arsenopyrite		1	Trace euhedral finely disseminated pyite and arsenopyrite
	18.29	21.34	1	Pyrite-Arsenopyrite		2	Trace pyrite and arsenopyrite with sooty-euhedral form
	21.34	22.86	1	Pyrite			
	22.86	24.38	1	Pyrite-Arsenopyrite			Sooty-euhedral mm scale crystals
	24.38	25.91	1	Pyrite-Arsenopyrite			Sooty-euhedral mm scale crystals
	25.91	28.96	1	Pyrite-Arsenopyrite			
	28.96	30.48	1	Pyrite-Arsenopyrite			Sooty-euhedral form, rare mm scale aspy crystals
JN19023	**3.05**	**4.57**	**1**	**Pyrite**		**2**	**Euhedral py hosted in qurtz chips**
	9.14	12.19	1	Pyrite		2	Trace finely disseminated pyrite in quartz chips
	12.19	16.74	1	Pyrite-Arsenopyrite		1	Fine veinlets and disseminated py+aspy in quartz chips
	16.74	18.29	1	Pyrite-Arsenopyrite		1	Sooty-euhedral py+aspy diseeminated in quartz chips and as mm scale chips
	18.29	19.81	1	Pyrite-Arsenopyrite		1	Rare sooty aspy+py mineralization
	19.81	22.86	1	Pyrite-Arsenopyrite		2	Sooty-euhedral py+aspy diseeminated in quartz chips and as mm scale chips
	22.86	28.96	1	Pyrite-Arsenopyrite		2	Trace finely disseminated py+aspy
	28.96	30.48	1	Pyrite-Arsenopyrite		1	Trace finley disseminated py+aspy, rare euhedral chips and in quartz chips
JN19024	**9.14**	**10.67**	**1**	**Pyrite**		**3**	**Trace finely disseminated pyrite in quartz chips**
	12.19	13.72	1	Pyrite		2	Trace finely disseminated pyrite in quartz chips
	13.72	16.76	1	Pyrite-Arsenopyrite		1	0.5% py+aspy, sooty to euhedral disseminated in quartz chips and as sulfide chips
	16.76	19.81	1	Pyrite-Arsenopyrite		1	Trace finely disseminated py-aspy in quartz chips
	21.34	30.48	1	Pyrite-Arsenopyrite		1	Trace sooty-euhedral py+aspy disseminated in quartz chips and as rare suflide chips
JN19025	**7.62**	**9.14**	**1**	**Pyrite-Arsenopyrite**		**3**	**Trace sooty-euhedral py+aspy disseminated in quartz chips**
	9.14	10.67	1	Pyrite		1	Trace finely disseminated pyrite, euhedral hosted in quartz chips

APPENDIX 4: Mineralization

Hole ID	From (m)	To (m)	Rank	Code	Habit	Oxidation	Notes
	10.67	19.81	1	Pyrite-Arsenopyrite		1	Trace finley disseminated py+aspy in quartz chips
	19.81	21.34	1	Pyrite-Arsenopyrite		1	Fine disseminated py+aspy in quartz chips and as individual sulfide chips
	21.34	22.86	1	Pyrite-Arsenopyrite		1	Trace fine disseminated sooty-euhedral aspy+py disseminated in quartz chips and as rare sulfide chips
	22.86	24.38	1	Pyrite-Arsenopyrite		1	Fine sooty-euhedral aspy+py disseminated in quartz chips and as common sulfide chips
	24.38	27.43	1	Pyrite-Arsenopyrite		1	Fine sooty-euhedral aspy+py disseminated in quartz chips and as common sulfide chips
	27.43	28.96	1	Pyrite-Arsenopyrite		1	Trace finely disseminated py+aspy in quartz chips
JN19026	**9.14**	**10.67**	**1**	**Pyrite**		**3**	**Trace finely disseminated pyrite in quartz chips**
	10.67	13.72	1	Pyrite-Arsenopyrite		2	Trace finely disseminated sooty py+aspy in quartz chips
	15.24	18.29	1	Pyrite-Arsenopyrite		1	Trace finely disseminated sooty py+aspy in quartz chips
	18.29	19.81	1	Pyrite-Arsenopyrite		1	Trace finley dissemianted sooty-euhedral py+aspy in quartz chips and as rare sulfide chips
	19.81	22.86	1	Pyrite-Arsenopyrite		1	Euhedral-sooty py+aspy as common sulfide chips and disseminated in quartz chips
	22.86	24.38	1	Pyrite-Arsenopyrite		1	Euhedral-sooty py+aspy as common sulfide chips and disseminated in quartz chips
	24.38	30.48	1	Pyrite-Arsenopyrite			Trace sooty finely disseminated py+aspy in quartz chips and as rare sulfide chips
JN19027	**3.05**	**4.57**	**1**	**Pyrite**		**3**	**Trace fine disseminated pyrite in quartz chips**
	7.62	22.86	1	Pyrite		1	Trace fine disseminated pyrite in quartz chips
	22.86	24.38	1	Pyrite-Arsenopyrite		1	Trace py+aspy in quartz chips and as rare sulfide chips
	24.38	27.43	1	Pyrite-Arsenopyrite		1	Trace py+aspy in quartz chips and as rare sulfide chips, sooty-euhedral
	27.43	28.96	1	Pyrite		1	Trace fine disseminated pyrite in quartz chips
JN19028	**6.1**	**9.14**	**1**	**Pyrite**		**3**	**Trace finely disseminated py hosted in quartz chips**
	9.14	10.67	1	Pyrite-Arsenopyrite		1	Trace finely disseminated py+aspy hosted in quartz chips and rare grey chips
	10.67	13.72	1	Pyrite		1	Trace finely disseminated py hosted in quartz chips
	13.72	16.76	1	Pyrite-Arsenopyrite		1	Trace finely disseminated py+aspy hosted in quartz chips and rare sulfide chips
	16.76	19.81	1	Pyrite-Arsenopyrite		1	Trace finely disseminated and veinlets of sooty py+aspy hosted in quartz chips and rare sulfide chips

APPENDIX 4: Mineralization

Hole ID	From (m)	To (m)	Rank	Code	Habit	Oxidation	Notes
	19.81	21.34	1	Pyrite-Arsenopyrite		1	Trace finely disseminated and veinlets of sooty-euhedral py+aspy hosted in quartz chips and rare sulfide chips
	21.34	22.86	1	Pyrite-Arsenopyrite		1	0.5% sooty-euhedral py+aspy disseminated in qtz chips, and hosted in sulfide chips
	22.86	27.43	1	Pyrite-Arsenopyrite		1	Trace sooty py+aspy hosted in qtz chips and rare sulfide chips
	27.43	30.48	1	Pyrite		1	Trace finely disseminated py hosted in qtz chips and rare sulfide chips
JN19029	**3.05**	**4.57**	**1**	**Pyrite**		**3**	**Trace finely disseminated py hosted in qtz chips**
	4.57	6.1	1	Pyrite		3	Trace finely disseminated py hosted in qtz chips, sooty
	6.1	7.62	1	Pyrite-Arsenopyrite		3	Trace finely disseminated py+aspy hosted in qtz chips, sooty
	7.62	9.14	1	Pyrite		3	Trace finely disseminated py hosted in qtz chips
	9.14	10.67	1	Pyrite		1	Trace finely disseminated py hosted in qtz chips and sulfide chips
	10.67	13.72	1	Pyrite-Arsenopyrite		1	Trace finely disseminated py+aspy hosted in qtz chips
	16.76	19.81	1	Pyrite		2	Trace finely disseminated py hosted in qtz and grit chips
	19.81	24.38	1	Pyrite			Trace finely dissemianted py hosted in qtz chips, euhedral
	25.91	32	1	Pyrite			Trace finely disseminated py hosted in qtz chips
JN19030	**3.05**	**9.14**	**1**	**Pyrite**		**2**	**Trace finely disseminated py in qtz chips**
	12.19	16.76	1	Pyrite		1	Trace finely disseminated py in qtz chips
	18.29	19.81	1	Pyrite		1	Trace finley disseminate py in mm scale veinlets
	19.81	30.48	1	Pyrite		1	Trace finley disseminated py hosted in qtz chips and mm scale veinlets, euhedral-sooty habit
JN19031	**18.5**	**22.16**	**1**			**2**	**Pyrite and pyrrhotite mineralized in cm-scale quartz veinlets. typically perpendicular tca**
	24.15	27.24	1		fractures		Pyrite and pyrrhotite infilling mm-scale chaotic fractures. fractures disrupt bedding
	27.24	39	1				Pyrite and vfg sooty sulphide (ground pyrite?) deposited in mm-scale veinlets and along fracture planes. vein spacing ranges from 1-5 vn/m.
	48.53	53.63	1				Pyrite and pyrrhotite infilling mm-scale chaotic fractures. fractures disrupt bedding
	53.63	102	1		fractures		Trace pyrite and pyrrhotite infilling fractures and veinlets. good angle tca.

APPENDIX 4: Mineralization

Hole ID	From (m)	To (m)	Rank	Code	Habit	Oxidation	Notes
	56	56.5	2		veined		Trace cpy in pyrite veinlet (quartz-carbonate)
	81.56	81.62	2		veined		Mineralized quartz vein (4 cm) perp tca. very coarse grained pyrite, arsenopyrite with minor cpy
	102	156.27	1		veined		Blebby pyrite and pyrrhotite hosted in quartz veinlets. weakly mineralized
	157.27	169.16	1		semimassive		Semimassive sulphide veinlets (up to 2 mm wide). veins (avg spacing 2/m, alpha 65) are polymetalic and range from vfg to coarse grained. green clay alteration is commonly rimming mineralized and unmineralized fractures and veinlets.
	169.16	173.16	1		veined		Weakly mineralized quartz veinlets
	173.16	175.18	1		semimassive		Semimassive sulphide veinlets (up to 2 mm wide). veins (avg spacing 2/m, alpha 65) are polymetalic and range from vfg to coarse grained. green clay alteration is commonly rimming mineralized and unmineralized fractures and veinlets.
	175.18	179.7	1		veined		Weakly mineralizes quartz veinlets (blebby sulphide)
	179.7	185.7	1		veined		Weakly mineralized quartz veinlets with blebby sulphide
	185.7	210.22	1		veined		Weak sulphide min along irregular contacts between the qfp and siltstone
	210.22	249.65	1		veined		Pyrite and pyrrhotite mineralization associated with silica flooding. mm-scale silica veinlets weakly brecciat siltstone laminae, pyrite and pyrrhotite form blebby zones and form along vein margins.
	249.65	254.82	1		veined		Similar mineralization style as overlying. veins become polymettallic (up to 8 mm thick)
	254.82	259.1	1		veined		Weakly pyrite mineralized veinlets
	259.1	272.43	1		veined		Veined and interstitial pyrrhotite and sphalerite in the qfp intrusive interval. patchy interstitial pyrite up to 8 cm wide
	289.76	290.54	1		breccia matrix		Silica breccia matrix with pyrite-pyrrhotite mineralization of breccia matrix
JN19032	**1.52**	**3.05**	**1**	**Pyrite-Arsenopyrite**		**2**	**Finely disseminated sooty-euhedral trace, py+aspy**
	3.05	4.57	1	Pyrite		2	Finely disseminated sooty-euhedral trace, py
	6.1	7.62	1	Pyrite		1	Trace finley disseminated py
	10.67	12.19	1	Pyrite		1	Trace finely disseminated py in mm scale veinlets
	12.19	13.72	1	Pyrite		1	Trace finely disseminated py
	15.24	24.38	1	Pyrite		1	Trace very finely disseminated py in phyl chips

APPENDIX 4: Mineralization

Hole ID	From (m)	To (m)	Rank	Code	Habit	Oxidation	Notes
	24.38	30.48	1	Pyrite		1	Trace very finely disseminated py in phyl chips and qtz chips
JN19033	**10.67**	**12.19**	**1**	**Pyrite**			**Trace finely disseminated py hosted in siltstone chips**
	13.72	16.76	1	Pyrite			Trace finely disseminated py hosted in qtz+siltstone chips
	16.76	21.34	1	Pyrite			Trace finely disseminated py hosted in qtz+siltstone chips, and as veinlets in qtz
	21.34	24.38	1	Pyrite			Trace finely disseminated-veinlets of py in qtz + phly chips, with a sooty-euhedral habit
	24.38	25.91	1	Pyrite			Trace py finely disseminated in pgly
	25.91	30.48	1	Pyrite			Finely disseminate py hosted in sulfide chips and as veinlets in qtz chips
JN19034	**1.52**	**6.1**	**1**	**Pyrite**		**4**	**Trace finely disseminated py in qtz chips**
	7.62	9.14	1	Pyrite-Arsenopyrite		4	Trace finely disseminated py+aspy hosted in phyl+qtz chips
	9.14	15.24	1	Pyrite		2	Trace finely disseminated py hosted in silstone+qtz chips
	15.24	21.34	1	Pyrite		1	Trace finely disseminated py in qtz chips
JN19035	**0**	**1.52**	**1**	**Pyrite-Arsenopyrite**		**3**	**1.0% py+apsy disseminated in qtz chips + as sulfide chips, sooty-euhedral form**
	1.52	3.05	1	Pyrite-Arsenopyrite		3	0.5% py+aspy disseminated in qtz+ grit chips and as rare sulfide chips, sooty-euhedral form
	3.05	4.57	1	Pyrite-Arsenopyrite		3	Trace finely disseminated py+aspy in qtz chips
	6.1	7.62	1	Pyrite		2	Trace finely disseminated py
	9.14	12.19	1	Pyrite		1	Trace finely disseminated py in qtz chips
	13.72	21.34	1	Pyrite		2	Trace finely disseminated py in qtz+silstone chips
	21.34	25.91	1	Pyrite		1	Trace finely disseminated py in qtz chips + as mm scale veinlets
	25.91	28.96	1	Pyrite		1	Trace finely disseminated py in siltstone chips
	28.96	30.48	1	Pyrite			Trace finely dissemianted py in qtz chips, and mm scale veinlets in qtz chips
JN19036	**0**	**6.1**	**1**	**Pyrite-Arsenopyrite**		**3**	**0.5% finely disseminated py+aspy in qtz chips and sulfide chips**
	6.1	7.62	1	Pyrite-Arsenopyrite		3	Finely disseminated py+aspy in qtz chips
	12.19	13.72	1	Pyrite		2	Trace finely disseminated py in qtz + phyl chips
	16.76	30.48	1	Pyrite		1	Trace finely disseminated py in mm scale veinlets

APPENDIX 4: Mineralization

Hole ID	From (m)	To (m)	Rank	Code	Habit	Oxidation	Notes
JN19037	**3.05**	**4.57**	**1**	**Pyrite**		**3**	**Trace finely disseminated py in qtz chips**
	6.1	7.62	1	Pyrite-Arsenopyrite		3	Trace finely disseminated py+aspy in qtz chips, grit chips and sulfide chips
	7.62	9.14	1	Pyrite-Arsenopyrite		3	0.5% finely disseminated py+aspy hosted in qtz chips and mm scale euhedral sulfide chips
	9.14	10.67	1	Pyrite		2	Trace finely disseminated py in siltstone
	12.19	13.72	1	Pyrite			Trace finely disseminated py in siltstone
JN19038	**9.14**	**10.67**	**1**	**Pyrite**		**2**	**Trace finely disseminated pyrite in phyl, grit and qtz chips**
	10.67	12.19	1	Pyrite		2	Trace finely disseminated pyrite in phyl, grit and qtz chips and rare mm scale sulfide chips
	12.19	13.72	1	Pyrite-Arsenopyrite		1	0.5% finely disseminated py+aspy in qtz, grit, and sulfide chips, sooty-euhedral
	13.72	15.24	1	Pyrite-Arsenopyrite		1	Trace py+aspy hosted in qtz, and grit chips, sooty-euhedral
	15.24	16.76	1	Pyrite-Arsenopyrite		1	1.0% finely disseminated py+aspy hosted in qtz chips, mmscale veinlets, and sulfide chips
	16.76	18.29	1	Pyrite-Arsenopyrite		1	2.0% finely disseminated py+aspy hosted in qtz chips, mmscale veinlets, and sulfide chips
	18.29	24.38	1	Pyrite-Arsenopyrite		1	0.5% finely disseminated py+aspy hosted in qtz chips, mmscale veinlets, and sulfide chips
	24.38	30.48	1	Pyrite			Trace finely disseminated py hosted in qtz chips
JN19039	**3.5**	**21.05**	**1**				**Weak pyrite mineralization in hairline quartz-clay stringers and along bedding planes**
	21.05	21.85	1				Pyrite mineralization of breccia matrix. vfg, sooty
	21.85	26.2	1				Mineralized veinlets up to 2 mm wide, low vein density
	26.2	29.5	1				Chaotic hairline veinlets and breccia matrix
	29.5	36.94	1				Weakly pyrite mineralized stringers
	35.85	36	2				Partially clay altered, semi massive pyrite veinlet. 2 cm tt
	36.94	51.32	1				Weakly mineralized (pyrite) breccia and gouge. pyrite clasts up to 5 mm (rare)
	51.32	55.11	1				Vfg sooty pyrite mineralization of veinlets. looks dominantly pyrite, possibles some arseno??

APPENDIX 4: Mineralization

Hole ID	From (m)	To (m)	Rank	Code	Habit	Oxidation	Notes
	55.11	58.75	1				Bi-te mineralization is associated with vfg sooty sulphides and fg cubic pyrite. min seems to infill hairline fractures in sheeted veins
	58.75	59.21	1				Vfg sooty sulphide and minor bi infilling hairline fractures in quartz vein.
	59.21	64.52	1				Decrease in overall mineralization in sheeted veins. mine is still pyrite dominant, weakly mineralized along vein margins and infilling internal vein fractures
	64.52	82	1				Weakly mineralized mm-scale sheeted veins. blebby bi-te and pyrite.
	82	87	1				Sheeted veins still mineralized (bi, py, mo??) but spacing is down to 1 vn/2m
	93	99.5	1				Sheeted vein density increases, bi and py mineralization commonly fills vein fractures and forms semi massive stringer veinlets.
	99.5	126	1				Weakly mineralized sheeted veins. density drops to 1/5m. bi and py blebs are mm-scale, typically along vein margins.
JN19040	**3.05**	**6.1**	**1**	**Pyrite**		**4**	**Trace finely disseminated py hosted in grit chips**
	6.1	10.67	1	Pyrite		4	0.5% finely disseminated py hosted in grit chips and as sulfide chips
	10.67	12.19	1	Pyrite		1	Trace finely disseminated py
	12.19	13.72	1	Pyrite-Arsenopyrite		1	0.5% py finely disseminated in qtz and siltstone chips, euhedral and as rare sulfide chips amd trace finely disseminated py
	13.72	15.24	1	Pyrite		1	0.5% py finley disseminated in qtz chips and as rare sulfide chips
	15.24	16.76	1	Pyrite		1	Trace sooty py
	16.76	22.86	1	Pyrite		1	Trace finely disseminated pyrite in qtz chips and as rare sulfide chips
	22.86	27.43	1	Pyrite-Arsenopyrite		1	Trace sooty aspy hosted in mm scale veinlets and trace finely disseminated py
	27.43	32	1	Pyrite			Trace sooty-euhedral py
JN19041	**6.1**	**9.14**	**1**	**Pyrite**		**3**	**Trace finely disseminated py in qtz and siltstone chips**
	9.14	15.24	1	Pyrite		1	Trace finely disseminated py in silstone chips and rare sulfide chips

APPENDIX 4: Mineralization

Hole ID	From (m)	To (m)	Rank	Code	Habit	Oxidation	Notes
	15.24	16.76	1	Pyrite		1	Trace finely disseminated py in qtz chips chips and rare sulfide chips
	16.76	19.81	1	Pyrite-Arsenopyrite		1	Trace finely disseminated py+aspy in qtz chips chips and rare sulfide chips
	19.81	24.38	1	Pyrite		1	Trace finely disseminated py in qtz chips chips and rare sulfide chips
	24.38	25.91	1	Pyrite-Arsenopyrite		1	2.0% finely disseminated sooty-euhedral aspy+py hosted in qtz chips and mm scale sulfide chips
	25.91	28.96	1	Pyrite-Arsenopyrite		1	0.5% finely disseminated sooty-euhedral aspy+py hosted in qtz chips and mm scale sulfide chips
	28.96	30.48	1	Pyrite-Arsenopyrite		1	1.0% finely disseminated sooty-euhedral aspy+py hosted in qtz chips and mm scale sulfide chips
	30.48	32	1	Pyrite-Arsenopyrite		1	0.5% finely disseminated sooty-euhedral aspy+py hosted in qtz chips and mm scale sulfide chips
	32	39.62	1	Pyrite-Arsenopyrite		1	Trace finely disseminated sooty-euhedral aspy+py hosted in qtz chips and mm scale sulfide chips
JN19042	**10.67**	**24.38**	**1**	**Pyrite**		**1**	**Trace finely disseminated py, sooty-euhedral, hosted in siltstone, qtz and rare sulfide chips.**
	24.38	27.43	1	Pyrite-Arsenopyrite		1	0.5% sooty-euhedral py+aspy in sulfide chips, qtz chips and siltstone chip
	27.43	28.96	1	Pyrite-Arsenopyrite		1	1.0% sooty-euhedral py+aspy in sulfide chips, qtz chips and siltstone chip
	28.96	32	1	Pyrite-Arsenopyrite		1	2.0% sooty-euhedral py+aspy in sulfide chips, qtz chips and siltstone chip
	32	33.53	1	Pyrite-Arsenopyrite		1	1.0% sooty-euhedral py+aspy in sulfide chips, qtz chips and siltstone chip
	33.53	39.62	1	Pyrite-Arsenopyrite		1	0.5% sooty-euhedral py+aspy in sulfide chips, qtz chips and siltstone chip
JN19043	**6.1**	**12.19**	**1**	**Pyrite**		**2**	**Trace finely disseminated py in stilstoen chips, qtz chips and rare sulfide chips**
	12.19	13.72	1	Pyrite-Arsenopyrite		1	Trace finley disseminated py+aspy, sooty habit, hosted in qtz chips and rare sulfide chips
	13.72	18.29	1	Pyrite		1	Trace finely disseminated py in qtz chips and rare sulfide chips
	18.29	19.05	1	Pyrite-Arsenopyrite		1	Trace finely disseminated py+aspy sooty-euhedral habit, hosted in sulfide chips, qtz chips and mm scale veinlets

APPENDIX 4: Mineralization Detail

Hole ID	From (m)	To (m)	Rank	Mineral	Percent	Grain Size	Habit	Notes
JN19020	**10.6**	**51.56**	**1**	**pyrrhotite**	**0.1**	**very fine**	**blebby**	**Common finely disseminated along bedding planes**
	10.6	51.56	1	pyrite	0.1	very fine	blebby	Common in mm-scale qc stringers and veinlets. form thin disseminated halos around fractures. form along bedding planes. rarely oxidized.
	51.56	66.58	1	pyrite	0.1	very fine		
	51.56	66.58	1	pyrrhotite	0.1	very fine		
	66.58	88	1	pyrite	0.1	very fine		
	88	107.5	1	arsenopyrite	0.5			
	88	107.5	1	chalcopyrite	0.1			
	88	107.5	1	pyrite	0.5			
	88	107.5	1	sphalerite	0.1			
	114	117	1	pyrite	5	very fine		Typically finely disseminated in breccia matrix
	114	117	1	sulphides	1	very fine		Unknown sooty grey sulphides
	116	117	2	pyrite	25	very fine-fine		
	117	161.25	1	pyrite	1	very fine-fine		
	156	160.18	2	pyrite	1	very fine		
	161.25	163.74	1	chalcopyrite	1	very fine		
	161.25	163.74	1	pyrite	10	very fine		
	163.75	166.94	1	chalcopyrite	30			
	163.75	166.94	1	pyrite	50			
	166.94	167.75	1	pyrite	5		blebby	Blebby pyrite hosted in quartz veinlets
	166.94	167.75	2	pyrite	1	very fine	disseminated	
	172	175	1	pyrite	5	very fine		
	172	175	2	pyrite	5	very fine		
	175	178.18	1	pyrite	1	very fine		
	178.18	180.65	1	pyrite	1			
	178.18	180.65	1	sulphides	1			Unknown sulphide. probably oxidized pyrite
	185.67	212	1	sphalerite	0.1			
	185.67	212	1	bismuthinite	0.5			
	185.67	212	1	telluride	0.1			
	185.67	212	1	molybdenite	0.1			
	185.67	212	1	pyrite	1			
	212	222	1	pyrite	0.1			
JN19021	**10.63**	**16.82**	**1**	**pyrite**	**1**	**very fine-fine**		
	16.82	26	1	arsenopyrite	3			
	16.82	26	1	galena	1			

APPENDIX 4: Mineralization Detail

Hole ID	From (m)	To (m)	Rank	Mineral	Percent	Grain Size	Habit	Notes
	16.82	26	1	pyrite	5			
	26	69	1	pyrite	0.5			
	79.6	79.8	2	chalcopyrite	1			
	79.6	79.8	2	pyrite	5			
	84.36	104.36	1	pyrite	1	very fine-fine		
	104.36	139.37	1	pyrite	0.1			
	147.55	198.16	1	pyrite	0.5			
	198.16	216	1	pyrite	3			
	216	224	1	chalcopyrite	0.5			
	216	224	1	pyrite	5			
	216	224	1	pyrrhotite	1			
	224	246	1	pyrite	1			
	246	249.58	1	chalcopyrite	3			
	246	249.58	1	magnetite	3			
	246	249.58	1	pyrite	20			
	246	249.58	1	pyrrhotite	60			
	249.58	254.85	1	pyrrhotite	15			
	249.58	254.85	1	chalcopyrite	3			
	249.58	254.85	1	magnetite	1			
	249.58	254.85	1	pyrite	10			
	257	258	2	malachite	0.1			
	264.7	270	1	arsenopyrite	0.1			
	264.7	270	1	pyrite	1			
	280	282.5	1	bismuthinite	1			
	282.5	303	1	pyrite	0.1			
JN19022	**3.05**	**4.57**	**1**	**pyrite**	**0.1**	**fine**	**disseminated**	
	9.14	10.67	1	pyrite	0.1	fine	disseminated	
	10.67	12.19	1	arsenopyrite	0.1	fine	disseminated	
	10.67	12.19	1	pyrite	0.1	fine	disseminated	
	13.72	16.76	1	arsenopyrite	0.1	fine	disseminated	
	13.72	16.76	1	pyrite	0.1	fine	disseminated	
	16.76	18.29	1	pyrite	0.1	fine	disseminated	
	16.76	18.29	1	arsenopyrite	0.1	fine	dendritic	
	18.29	21.34	1	arsenopyrite	0.1	fine	disseminated	
	18.29	21.34	1	pyrite	0.1	fine	disseminated	
	21.34	22.86	1	pyrite	0.1	fine	disseminated	
	22.86	24.38	1	arsenopyrite	1	fine-medium	disseminated	

APPENDIX 4: Mineralization Detail

Hole ID	From (m)	To (m)	Rank	Mineral	Percent	Grain Size	Habit	Notes
	22.86	24.38	1	pyrite	0.1	fine-medium	disseminated	
	24.38	25.91	1	pyrite	0.1	fine-medium	disseminated	
	24.38	25.91	1	arsenopyrite	0.5	fine-medium	disseminated	
	25.91	28.96	1	arsenopyrite	0.1	fine	disseminated	
	25.91	28.96	1	pyrite	0.1	fine	disseminated	
	28.96	30.48	1	arsenopyrite	0.1	fine	disseminated	
	28.96	30.48	1	pyrite	0.1	fine	disseminated	
JN19023	**3.05**	**4.57**	**1**	**pyrite**	**0.1**	**fine**	**disseminated**	
	9.14	12.19	1	pyrite	0.1	fine	disseminated	
	12.19	16.74	1	arsenopyrite	0.1	fine	disseminated	
	12.19	16.74	1	pyrite	0.1	fine	disseminated	
	16.74	18.29	1	arsenopyrite	0.5	fine	disseminated	
	16.74	18.29	1	pyrite	0.5	fine	disseminated	
	18.29	19.81	1	pyrite	0.1	fine	disseminated	
	18.29	19.81	1	arsenopyrite	0.1	fine	disseminated	
	19.81	22.86	1	arsenopyrite	0.5	fine	disseminated	
	19.81	22.86	1	pyrite	0.5	fine	disseminated	
	22.86	28.96	1	pyrite	0.1	fine	disseminated	
	22.86	28.96	1	arsenopyrite	0.1	fine	disseminated	
	28.96	30.48	1	pyrite	0.1	fine	disseminated	
	28.96	30.48	1	arsenopyrite	0.1	fine	disseminated	
JN19024	**9.14**	**10.67**	**1**	**pyrite**	**0.1**	**fine**	**disseminated**	
	12.19	13.72	1	pyrite	0.1	fine	disseminated	
	13.72	16.76	1	pyrite	0.5	fine	disseminated	
	13.72	16.76	1	arsenopyrite	0.5	fine	disseminated	
	16.76	19.81	1	arsenopyrite	0.1	fine	disseminated	
	16.76	19.81	1	pyrite	0.1	fine	disseminated	
	21.34	30.48	1	arsenopyrite	0.1	fine	disseminated	
	21.34	30.48	1	pyrite	0.1	fine	disseminated	
JN19025	**7.62**	**9.14**	**1**	**arsenopyrite**	**0.1**	**fine**	**disseminated**	
	7.62	9.14	1	pyrite	0.1	fine	disseminated	
	9.14	10.67	1	pyrite	0.1	fine	disseminated	
	10.67	19.81	1	pyrite	0.1	fine	disseminated	
	10.67	19.81	1	arsenopyrite	0.1	fine	disseminated	
	19.81	21.34	1	arsenopyrite	0.5	fine	disseminated	

APPENDIX 4: Mineralization Detail

Hole ID	From (m)	To (m)	Rank	Mineral	Percent	Grain Size	Habit	Notes
	19.81	21.34	1	pyrite	0.5	fine	disseminated	
	21.34	22.86	1	arsenopyrite	0.1	fine	disseminated	
	21.34	22.86	1	pyrite	0.1	fine	disseminated	
	22.86	24.38	1	pyrite	1	fine	disseminated	
	22.86	24.38	1	arsenopyrite	1	fine	disseminated	
	24.38	27.43	1	pyrite	0.5	fine	disseminated	
	24.38	27.43	1	arsenopyrite	0.5	fine	disseminated	
	27.43	28.96	1	arsenopyrite	0.1	fine	disseminated	
	27.43	28.96	1	pyrite	0.1	fine	disseminated	
JN19026	**9.14**	**10.67**	**1**	**pyrite**	**0.1**	**fine**	**disseminated**	
	10.67	13.72	1	arsenopyrite	0.1	fine	disseminated	
	10.67	13.72	1	pyrite	0.1	fine	disseminated	
	15.24	18.29	1	arsenopyrite	0.1	fine	disseminated	
	15.24	18.29	1	pyrite	0.1	fine	disseminated	
	18.29	19.81	1	arsenopyrite	0.1	fine	disseminated	
	18.29	19.81	1	pyrite	0.1	fine	disseminated	
	19.81	22.86	1	pyrite	1	fine	disseminated	
	19.81	22.86	1	arsenopyrite	1	fine	disseminated	
	22.86	24.38	1	pyrite	0.5	fine	disseminated	
	22.86	24.38	1	arsenopyrite	0.5	fine	disseminated	
	24.38	30.48	1	arsenopyrite	0.1	fine	disseminated	
	24.38	30.48	1	pyrite	0.1	fine	disseminated	
JN19027	**3.05**	**4.57**	**1**	**pyrite**	**0.1**	**fine**	**disseminated**	
	7.62	22.86	1	pyrite	0.1	fine	disseminated	
	22.86	24.38	1	arsenopyrite	0.1	fine	disseminated	
	22.86	24.38	1	pyrite	0.1	fine	disseminated	
	24.38	27.43	1	arsenopyrite	0.1	fine	disseminated	
	24.38	27.43	1	pyrite	0.1	fine	disseminated	
	27.43	28.96	1	pyrite	0.1	fine	disseminated	
JN19028	**6.1**	**9.14**	**1**	**pyrite**	**0.1**	**fine**	**disseminated**	
	9.14	10.67	1	arsenopyrite	0.1	fine	disseminated	
	9.14	10.67	1	pyrite	0.1	fine	disseminated	
	10.67	13.72	1	pyrite	0.1	fine	disseminated	
	13.72	16.76	1	pyrite	0.1	fine	disseminated	
	13.72	16.76	1	arsenopyrite	0.1	fine	disseminated	

APPENDIX 4: Mineralization Detail

Hole ID	From (m)	To (m)	Rank	Mineral	Percent	Grain Size	Habit	Notes
	16.76	19.81	1	pyrite	0.1	fine	disseminated	
	16.76	19.81	1	arsenopyrite	0.1	fine	disseminated	
	19.81	21.34	1	arsenopyrite	0.1	fine	disseminated	
	19.81	21.34	1	pyrite	0.1	fine	disseminated	
	21.34	22.86	1	arsenopyrite	0.5	fine	disseminated	
	21.34	22.86	1	pyrite	0.5	fine	disseminated	
	22.86	27.43	1	arsenopyrite	0.1	fine	disseminated	
	22.86	27.43	1	pyrite	0.1	fine	disseminated	
	27.43	30.48	1	pyrite	0.1	fine	disseminated	
JN19029	**3.05**	**4.57**	**1**	**pyrite**	**0.1**	**fine**	**disseminated**	
	4.57	6.1	1	pyrite	0.1	fine	disseminated	
	6.1	7.62	1	pyrite	0.1	fine	disseminated	
	6.1	7.62	1	arsenopyrite	0.1	fine	disseminated	
	7.62	9.14	1	pyrite	0.1	fine	disseminated	
	9.14	10.67	1	pyrite	0.1	fine	disseminated	
	10.67	13.72	1	pyrite	0.1	fine	disseminated	
	10.67	13.72	1	arsenopyrite	0.1	fine	disseminated	
	16.76	19.81	1	pyrite	0.1	fine	disseminated	
	19.81	24.38	1	pyrite	0.1	fine	disseminated	
	25.91	32	1	pyrite	0.1	fine	disseminated	
JN19030	**3.05**	**9.14**	**1**	**pyrite**	**0.1**	**fine**	**disseminated**	
	12.19	16.76	1	pyrite	0.1	fine	disseminated	
	18.29	19.81	1	pyrite	0.1	fine	disseminated	
	19.81	30.48	1	pyrite	0.1	fine	disseminated	
JN19031	**18.5**	**22.16**	**1**	**pyrite**	**1**		**veined**	
	18.5	22.16	1	pyrrhotite	0.5		veined	
	24.15	27.24	1	pyrite	1		fractures	
	24.15	27.24	1	pyrrhotite	1		fractures	
	27.24	39	1	pyrite	3		veined	
	27.24	39	1	sulphides	1		fractures	
	48.53	53.63	1	pyrite	3			
	48.53	53.63	1	pyrrhotite	1			
	53.63	102	1	pyrrhotite	0.5			
	53.63	102	1	pyrite	0.5			
	56	56.5	2	chalcopyrite	0.1			

APPENDIX 4: Mineralization Detail

Hole ID	From (m)	To (m)	Rank	Mineral	Percent	Grain Size	Habit	Notes
	56	56.5	2	pyrite	5			
	81.56	81.62	2	arsenopyrite	30			
	81.56	81.62	2	chalcopyrite	1			
	81.56	81.62	2	pyrite	10			
	102	156.27	1	pyrite	0.1			
	102	156.27	1	pyrrhotite	0.1			
	157.27	169.16	1	pyrrhotite	1			
	157.27	169.16	1	pyrite	1			
	157.27	169.16	1	chalcopyrite	0.1			
	157.27	169.16	1	arsenopyrite	1			
	157.27	169.16	1	sphalerite	0.1			
	169.16	173.16	1	pyrite	0.1		blebby	
	169.16	173.16	1	arsenopyrite	0.1		blebby	
	173.16	175.18	1	arsenopyrite	1	very coarse	semimassive	
	173.16	175.18	1	pyrite	1			
	175.18	179.7	1	arsenopyrite	0.1			
	175.18	179.7	1	pyrite	0.5			
	179.7	185.7	1	arsenopyrite	0.5	coarse		
	179.7	185.7	1	pyrite	0.5			
	179.7	185.7	1	sphalerite	0.1	very coarse		
	210.22	249.65	1	pyrite	0.5			
	210.22	249.65	1	pyrrhotite	0.5			
	249.65	254.82	1	arsenopyrite	0.5		veined	
	249.65	254.82	1	pyrite	1		veined	
	249.65	254.82	1	pyrrhotite	2		veined	
	249.65	254.82	1	sphalerite	0.5		veined	
	254.82	259.1	1	pyrite	0.1		veined	
	259.1	272.43	1	sphalerite	0.1			
	259.1	272.43	1	pyrite	0.5			
	289.76	290.54	1	pyrrhotite	1			
	289.76	290.54	1	pyrite	1			
JN19032	**1.52**	**3.05**	**1**	**arsenopyrite**	**0.1**	**fine**	**disseminated**	
	1.52	3.05	1	pyrite	0.1	fine	disseminated	
	3.05	4.57	1	pyrite	0.1	fine	disseminated	
	6.1	7.62	1	pyrite	0.1	fine	disseminated	
	10.67	12.19	1	pyrite	0.1	fine	disseminated	
	12.19	13.72	1	pyrite	0.1	fine	disseminated	

APPENDIX 4: Mineralization Detail

Hole ID	From (m)	To (m)	Rank	Mineral	Percent	Grain Size	Habit	Notes
	15.24	24.38	1	pyrite	0.1	very fine	disseminated	
	24.38	30.48	1	pyrite	0.1	very fine	disseminated	
JN19033	**10.67**	**12.19**	**1**	**pyrite**	**0.1**	**fine**	**disseminated**	
	13.72	16.76	1	pyrite	0.1	fine	disseminated	
	16.76	21.34	1	pyrite	0.1	fine	disseminated	
	21.34	24.38	1	pyrite	0.1	fine	disseminated	
	24.38	25.91	1	pyrite	0.1	fine	disseminated	
	25.91	30.48	1	pyrite	0.1	fine	disseminated	
JN19034	**1.52**	**6.1**	**1**	**pyrite**	**0.1**	**fine**	**disseminated**	
	7.62	9.14	1	arsenopyrite	0.1	fine	disseminated	
	7.62	9.14	1	pyrite	0.1	fine	disseminated	
	9.14	15.24	1	pyrite	0.1	fine	disseminated	
	15.24	21.34	1	pyrite	0.1	fine	disseminated	
JN19035	**0**	**1.52**	**1**	**pyrite**	**1**	**fine**	**disseminated**	
	0	1.52	1	arsenopyrite	1	fine	disseminated	
	1.52	3.05	1	pyrite	0.5	fine	disseminated	
	1.52	3.05	1	arsenopyrite	0.5	fine	disseminated	
	3.05	4.57	1	pyrite	0.1	fine	disseminated	
	3.05	4.57	1	arsenopyrite	0.1	fine	disseminated	
	6.1	7.62	1	pyrite	0.1	fine	disseminated	
	9.14	12.19	1	pyrite	0.1	fine	disseminated	
	13.72	21.34	1	pyrite	0.1	fine	disseminated	
	21.34	25.91	1	pyrite	0.1	fine	disseminated	
	25.91	28.96	1	pyrite	0.1	fine	disseminated	
	28.96	30.48	1	pyrite	0.1	fine	disseminated	
JN19036	**0**	**6.1**	**1**	**arsenopyrite**	**0.5**	**fine**	**disseminated**	
	0	6.1	1	pyrite	0.5	fine	disseminated	
	6.1	7.62	1	arsenopyrite	0.1	fine	disseminated	
	6.1	7.62	1	pyrite	0.1	fine	disseminated	
	12.19	13.72	1	pyrite	0.1	fine	disseminated	
	16.76	30.48	1	pyrite	0.1	fine	disseminated	
JN19037	**3.05**	**4.57**	**1**	**pyrite**	**0.1**	**fine**	**disseminated**	
	6.1	7.62	1	pyrite	0.1	fine	disseminated	

APPENDIX 4: Mineralization Detail

Hole ID	From (m)	To (m)	Rank	Mineral	Percent	Grain Size	Habit	Notes
	6.1	7.62	1	arsenopyrite	0.1	fine	disseminated	
	7.62	9.14	1	pyrite	0.5	fine	disseminated	
	7.62	9.14	1	arsenopyrite	0.5	fine	disseminated	
	9.14	10.67	1	pyrite	0.1	fine	disseminated	
	12.19	13.72	1	pyrite	0.1	fine	disseminated	
JN19038	**9.14**	**10.67**	**1**	**pyrite**	**0.1**	**fine**	**disseminated**	
	10.67	12.19	1	pyrite	0.1	fine	disseminated	
	12.19	13.72	1	arsenopyrite	0.5	fine	disseminated	
	12.19	13.72	1	pyrite	0.5	fine	disseminated	
	13.72	15.24	1	arsenopyrite	0.1	fine	disseminated	
	13.72	15.24	1	pyrite	0.1	fine	disseminated	
	15.24	16.76	1	pyrite	1	fine	disseminated	
	15.24	16.76	1	arsenopyrite	1	fine	disseminated	
	16.76	18.29	1	pyrite	2	fine	disseminated	
	16.76	18.29	1	arsenopyrite	2	fine	disseminated	
	18.29	24.38	1	arsenopyrite	0.5	fine	disseminated	
	18.29	24.38	1	pyrite	0.5	fine	disseminated	
	24.38	30.48	1	pyrite	0.1	fine	disseminated	
JN19039	**3.5**	**21.05**	**1**	**pyrite**	**0.1**			
	21.05	21.85	1	pyrite	3	very fine	breccia matrix	
	21.85	26.2	1	pyrite	0.1	fine	veined	
	26.2	29.5	1	pyrite	2	very fine		Vfg and sooty along blebby margins
	29.5	36.94	1	pyrite	0.1		veined	
	35.85	36	2	pyrite	10			
	36.94	51.32	1	pyrite	0.5			
	51.32	55.11	1	arsenopyrite	0.1			
	51.32	55.11	1	pyrite	1			
	55.11	58.75	1	bismuthinite	0.5			Likely contains tellurium
	55.11	58.75	1	pyrite	1			
	55.11	58.75	1	sulphides	0.5			Unknown vfg sooty sulphides
	58.75	59.21	1	bismuthinite	0.1			
	58.75	59.21	1	pyrite	2			
	58.75	59.21	1	sulphides	1			
	59.21	64.52	1	pyrite	1		veined	
	64.52	82	1	pyrite	0.5			
	64.52	82	1	bismuthinite	0.1			

APPENDIX 4: Mineralization Detail

Hole ID	From (m)	To (m)	Rank	Mineral	Percent	Grain Size	Habit	Notes
	93	99.5	1	pyrite	1			
	93	99.5	1	bismuthinite	1			
	99.5	126	1	bismuthinite	0.1			
	99.5	126	1	pyrite	0.1			
JN19040	**3.05**	**6.1**	**1**	**pyrite**	**0.1**	**fine**	**disseminated**	
	6.1	10.67	1	pyrite	0.5	fine	disseminated	
	10.67	12.19	1	pyrite	0.1	fine	disseminated	
	12.19	13.72	1	pyrite	0.5	fine	disseminated	
	12.19	13.72	1	arsenopyrite	0.1	fine	disseminated	
	13.72	15.24	1	pyrite	0.5	fine	disseminated	
	15.24	16.76	1	pyrite	0.1	fine	disseminated	
	16.76	22.86	1	pyrite	0.1	fine	disseminated	
	22.86	27.43	1	arsenopyrite	0.1	fine	disseminated	
	22.86	27.43	1	pyrite	0.1	fine	disseminated	
	27.43	32	1	pyrite	0.1	fine	disseminated	
JN19041	**6.1**	**9.14**	**1**	**pyrite**	**0.1**	**fine**	**disseminated**	
	9.14	15.24	1	pyrite	0.1	fine	disseminated	
	15.24	16.76	1	pyrite	0.1	fine	disseminated	
	16.76	19.81	1	pyrite	0.1	fine	disseminated	
	16.76	19.81	1	arsenopyrite	0.1	fine	disseminated	
	24.38	25.91	1	pyrite	2	fine	disseminated	
	24.38	25.91	1	arsenopyrite	2	fine	disseminated	
	25.91	28.96	1	pyrite	0.5	fine	disseminated	
	25.91	28.96	1	arsenopyrite	0.5	fine	disseminated	
	28.96	30.48	1	arsenopyrite	1	fine	disseminated	
	28.96	30.48	1	pyrite	1	fine	disseminated	
	30.48	32	1	pyrite	0.5	fine	disseminated	
	30.48	32	1	arsenopyrite	0.5	fine	disseminated	
	32	39.62	1	arsenopyrite	0.1	fine	disseminated	
	32	39.62	1	pyrite	0.1	fine	disseminated	
JN19042	**10.67**	**24.38**	**1**	**pyrite**	**0.1**	**fine**	**disseminated**	
	24.38	27.43	1	pyrite	0.5	fine	disseminated	
	24.38	27.43	1	arsenopyrite	0.5	fine	disseminated	
	27.43	28.96	1	pyrite	1	fine	disseminated	
	27.43	28.96	1	arsenopyrite	1	fine	disseminated	

APPENDIX 4: Mineralization Detail

Hole ID	From (m)	To (m)	Rank	Mineral	Percent	Grain Size	Habit	Notes
	28.96	32	1	pyrite	2	fine	disseminated	
	28.96	32	1	arsenopyrite	2	fine	disseminated	
	32	33.53	1	pyrite	1	fine	disseminated	
	32	33.53	1	arsenopyrite	1	fine	disseminated	
	33.53	39.62	1	pyrite	0.5	fine	disseminated	
	33.53	39.62	1	arsenopyrite	0.5	fine	disseminated	
JN19043	**6.1**	**12.19**	**1**	**pyrite**	**0.1**	**fine**	**disseminated**	
	12.19	13.72	1	pyrite	0.1	fine	disseminated	
	12.19	13.72	1	arsenopyrite	0.1	fine	disseminated	
	13.72	18.29	1	pyrite	0.1	fine	disseminated	
	18.29	19.05	1	pyrite	0.1	fine	disseminated	
	18.29	19.05	1	arsenopyrite	0.1	fine	disseminated	

APPENDIX 4: Vein

Hole ID	From (m)	To (m)	Rank	Code	Count per m	Width (m)	Alpha	Colour	Grain Size	Texture	Altered	Mineralized	Notes
JN19020	**10.6**	**107.5**	**2**		**5**	**0.005**		**white**	**very fine**		**FALSE**	**TRUE**	**Weakly mineralized quartz-carbonate veinlets throughout. field indicated average vein width, veins are up to 10mm @ 34 m. no preffered orientation.**
	10.6	107.5	1		10	0.005		white	very fine		FALSE	TRUE	Weakly mineralized quartz-feldspar stringers throughout, typically clay altered, rarely chlorite altered. blebbly pyrite and pyrrhotite common
	69.69	88	3		1	0.03	35	white	very fine-medium		FALSE	TRUE	Weakly mineralized white quartz vein. vein is cross cut by clay altered 0.1 mm veinlets.
	88	107.5	3		1	0.01		white	very fine-medium		FALSE	TRUE	Mineralized quartz veins, low angle tca. (dominantly pyrite, arsenopyrite with less common intergrown sphalerite and chalcopyrite)
	114	163.4	1		5	0.01		white	very fine-medium		TRUE	TRUE	Pyrite mineralized quartz-carbonate veins throughout gouge limestone interval.
	166.94	171	1		10	0.001					TRUE	TRUE	Veinlets are intensely altered to clay and limonite. some remaining pyrite halos around relect veins
	171	172.5	1		5	0.005	35	white	very fine-medium		TRUE	FALSE	Qc veinlets with calc-silicate alteration halos
	172.8	175	1		5	0.005					TRUE	TRUE	See above. some later generation of qc veinlets are weakly pyrite mineralized.
	175	180.65	1		15	0.001	30	green	very fine		TRUE	FALSE	Early qtz-felsdpar veins with chlorite altered rims
	175	180.65	2		1	0.03	30	white			FALSE	TRUE	Pyrite mineralized quartz vein
	180.65	185.49	1		10	0.001		white	very fine		FALSE	FALSE	Qc veinlets
	180.65	185.49	2		10	0.001		beige			FALSE	FALSE	Siderite veinlets, unknown relative age to qc veinlets. unaltered so may be young
	185.49	222	1		15	0.005	20	white			FALSE	TRUE	Vein density stay consistent through interval but mineralization drops off after ~207 m. veins are cut by later unmineralized qc veinlets
	185.49	222	3		10	0.001		beige			FALSE	FALSE	Late stage qc veinlets. no dominant orientation
	197	205	2		3	0.03	20				FALSE	TRUE	Weakly mineralized qtz vein breccias with angular qtz clasts (avg 1 cm), up to 5 cm true thickness. look to be same generation as prevoiusly described qtz veinlets
JN19021	**10.63**	**40**	**1**		**15**	**0.002**	**20**	**dark grey**	**very fine**		**TRUE**	**TRUE**	**Dark grey, very hard cherty veins, some vfg biotite at vein margins. weakly mineralized**
	24.6	26.28	2		2	0.02	35	white			FALSE	TRUE	Cm-scale, weakly mineralized quartz veins
	40	61.24	1			0.03	15	dark grey	very fine		TRUE	FALSE	Dark grey, very hard cherty veins, some vfg biotite at vein margins. weakly mineralized (py). drilling subparallel to vein orientation. thicker veins (cm-scale) preferentially in finer grained intervals, silica alteration of wallrock.
	61.24	84.34	1			0.01	15	white			FALSE	TRUE	Same vein generation as overlying cherty/tourmaline veins, composition changes to opaque white quartz. weakly mineralized. feldspar component is clay altered
	84.34	104.36	1		15	0.001	45	dark grey	very fine		TRUE	FALSE	Unknown hard black mineral in thin stringers/veinlets (chert? tourmaline?)
	102.5	104.36	2		3	0.02	30	white			TRUE	FALSE	Quartz feldspar veins with clay alteration of feldspar
	104.36	119.38	1		5	0.001	45	white			FALSE	FALSE	Late qc stringers
	119.38	139.37	1		1	0.005		yellow			TRUE	FALSE	Calc-silicate altered veinlets
	119.38	139.37	2		15	0.005		white			FALSE	FALSE	Late qc stringers
	139.37	147.55	1		1	0.005		white			TRUE	FALSE	Clay altered quartz-feldspar veins. typically shallow angles tca
	147.55	160.95	1		5	0.001		white			FALSE	FALSE	Clay altered quartz-feldspar veins. typically shallow angles tca

APPENDIX 4: Vein

Hole ID	From (m)	To (m)	Rank	Code	Count per m	Width (m)	Alpha	Colour	Grain Size	Texture	Altered	Mineralized	Notes
	160.95	168.91	1		10	0.001		grey			TRUE	FALSE	Hard aphanitic vein (tourmaline? chert?)
	168.91	196	1		5	0.01		white			FALSE	TRUE	Weakly mineralized (pyrite) quartz veins, average 1 mm, up to 3 cm wide.
	213.1	221	1								FALSE	TRUE	Gouge and heavily fractured shear zone, can't determine vein count or alpha.. mm-scale veinlets mineralized with pyrite, pyrrhotite, minor chalco
	231	237.15	1		10	0.001	50	white			FALSE	FALSE	White calcite veinlets.
	247.75	249.58	1		3	0.002		yellow			TRUE	FALSE	Calc silicate altered veinlets cut massive sulphide replacement. variable orientations, see structures tab
	249.58	253.85	1		10	0.005					TRUE	TRUE	Altered veinlets, variable orientations. magnatite and calcsilicate alteration halos
	253.85	287.5	3		5	0.001	45	white			FALSE	FALSE	Late quartz veinlets cut weakly pyrite mineralized veins
	253.85	287.5	1		1	0.03		white			TRUE	TRUE	Quartz feldspar veins, sub parrallel to core axis. blebby pyrite mineralization, minor arseno and moly? min
	253.85	267.54	2		50	0.001		white			FALSE	TRUE	Chaotic, high density qtz veinlets. blebby pyrite mineralization
	287.5	303	2		1	0.005	20	white			FALSE	TRUE	Weakly pyrite mineralized veinlets, shallow angle tca
	287.5	303	1		10	0.001	45	white			TRUE	FALSE	Soft, yellow alteration halos around thin qtz veinlets
JN19022	**0**	**3.05**	**1**								**FALSE**	**FALSE**	
	3.05	4.57	1		20						FALSE	TRUE	
	4.57	7.62	1		10						FALSE	FALSE	
	7.62	9.14	1		20						FALSE	FALSE	
	9.14	12.19	1		20						FALSE	TRUE	
	12.19	13.72	1		10						FALSE	FALSE	
	13.72	16.76	1		15						FALSE	TRUE	
	16.76	18.29	1		5						FALSE	TRUE	
	18.29	19.81	1		30						FALSE	TRUE	
	19.81	21.34	1		40						FALSE	TRUE	
	21.34	22.86	1		10						FALSE	TRUE	
	22.86	24.38	1		40						FALSE	TRUE	
	24.38	25.91	1		60						FALSE	TRUE	
	25.91	27.43	1		30						FALSE	TRUE	
	27.43	30.48	1		50						FALSE	TRUE	
JN19023	**6.1**	**9.14**	**1**		**10**						**FALSE**	**FALSE**	
	9.14	10.67	1		20						FALSE	TRUE	
	10.67	12.19	1		5						FALSE	TRUE	
	12.19	13.72	1		10						FALSE	TRUE	
	13.72	16.76	1		25						FALSE	TRUE	
	16.76	18.29	1		40						FALSE	TRUE	
	18.29	22.86	1		60						FALSE	TRUE	
	22.86	24.38	1		70						FALSE	TRUE	
	24.38	25.91	1		60						FALSE	TRUE	
	25.91	28.96	1		75						FALSE	TRUE	
	28.96	30.48	1		40						FALSE	TRUE	
JN19024	**6.1**	**7.62**	**1**		**10**						**FALSE**	**FALSE**	
	7.62	10.67	1		40						FALSE	TRUE	
	10.67	12.19	1		10						FALSE	FALSE	
	12.19	15.24	1		30						FALSE	TRUE	
	15.24	18.29	1		10						FALSE	TRUE	

APPENDIX 4: Vein

Hole ID	From (m)	To (m)	Rank	Code	Count per m	Width (m)	Alpha	Colour	Grain Size	Texture	Altered	Mineralized	Notes
	18.29	19.81	1		20						FALSE	TRUE	
	19.81	21.34	1		5						FALSE	FALSE	
	21.34	22.86	1		50						FALSE	TRUE	
	22.86	27.43	1		30						FALSE	TRUE	
	27.43	28.96	1		20						FALSE	TRUE	
	28.96	30.48	1		70						FALSE	TRUE	
JN19025	**4.57**	**6.1**	**1**		**5**						**FALSE**	**FALSE**	
	6.1	7.62	1		15						FALSE	FALSE	
	7.62	10.67	1		40						FALSE	TRUE	
	10.67	15.24	1		30						FALSE	TRUE	
	15.24	18.29	1		40						FALSE	TRUE	
	18.29	22.86	1		60						FALSE	TRUE	
	22.86	27.43	1		50						FALSE	TRUE	
	27.43	28.96	1		30						FALSE	TRUE	
	28.96	30.48	1		5						FALSE	FALSE	
JN19026	**6.1**	**7.62**	**1**		**5**						**FALSE**	**FALSE**	
	7.62	9.14	1		30						FALSE	FALSE	
	9.14	10.67	1		30						FALSE	TRUE	
	10.67	13.72	1		5						FALSE	TRUE	
	13.72	15.24	1		5						FALSE	FALSE	
	15.24	18.29	1		30						FALSE	TRUE	
	18.29	19.81	1		40						FALSE	TRUE	
	19.81	22.86	1		85						FALSE	TRUE	
	22.86	25.91	1		75						FALSE	TRUE	
	25.91	27.43	1		60						FALSE	TRUE	
	27.43	30.48	1		70						FALSE	TRUE	
JN19027	**4.57**	**6.1**	**1**		**30**						**FALSE**	**FALSE**	
	6.1	7.62	1		50						FALSE	FALSE	
	7.62	13.72	1		30						FALSE	TRUE	
	13.72	15.24	1		35						FALSE	TRUE	
	15.24	16.76	1		10						FALSE	TRUE	
	16.76	18.29	1		30						FALSE	TRUE	
	18.29	24.38	1		35						FALSE	TRUE	
	24.38	27.43	1		25						FALSE	TRUE	
	27.43	28.96	1		40						FALSE	TRUE	
JN19028	**3.05**	**4.57**	**1**		**45**						**FALSE**	**FALSE**	
	4.57	6.1	1		35						FALSE	FALSE	
	6.1	7.62	1		40						FALSE	TRUE	
	7.62	13.72	1		50						FALSE	TRUE	
	13.72	16.76	1		70						FALSE	TRUE	
	16.76	18.29	1		45						FALSE	TRUE	
	18.29	21.34	1		75						FALSE	TRUE	
	21.34	22.86	1		45						FALSE	TRUE	
	22.86	24.38	1		30						FALSE	TRUE	
	24.38	27.43	1		40						FALSE	TRUE	
	27.43	30.48	1		30						FALSE	TRUE	
JN19029	**3.05**	**4.57**	**1**		**50**						**FALSE**	**TRUE**	

APPENDIX 4: Vein

Hole ID	From (m)	To (m)	Rank	Code	Count per m	Width (m)	Alpha	Colour	Grain Size	Texture	Altered	Mineralized	Notes
	4.57	6.1	1		30						FALSE	TRUE	
	6.1	7.62	1		65						FALSE	TRUE	
	7.62	9.14	1		20						FALSE	TRUE	
	9.14	10.67	1		40						FALSE	TRUE	
	10.67	12.19	1		30						FALSE	TRUE	
	12.19	13.72	1		20						FALSE	TRUE	
	13.72	16.76	1		10						FALSE	FALSE	
	16.76	19.81	1		15						FALSE	TRUE	
	19.81	24.38	1		10						FALSE	TRUE	
	24.38	32	1		5						FALSE	TRUE	
JN19030	**0**	**1.52**	**1**		**10**						**FALSE**	**FALSE**	
	1.52	3.05	1		5						FALSE	FALSE	
	3.05	4.57	1		10						FALSE	TRUE	
	4.57	6.1	1		30						FALSE	TRUE	
	6.1	7.62	1		10						FALSE	TRUE	
	7.62	9.14	1		5						FALSE	TRUE	
	9.14	12.19	1		5						FALSE	TRUE	
	12.19	16.76	1		1						FALSE	TRUE	
	19.81	21.34	1		5						FALSE	TRUE	
	21.34	24.38	1		1						FALSE	TRUE	
	27.43	30.48	1		2						FALSE	TRUE	
JN19031	**12.24**	**18.5**	**1**			**0.001**					**TRUE**	**FALSE**	**Oxidized veinlets in shear zone. quartz-limonite, mm-scale. no dominant orientation noted**
	18.5	22.92	1		20	0.005	75	white			TRUE	TRUE	Oxidized quartz veinlets with patchy pyrite and pyrrhotite mineralization. orange oxidation along vein margins is common
	22.92	27.26	1		50	0.001					TRUE	TRUE	Chaotic quartz-calcite veining and fracture infill. weakly mineralized
	27.26	48.53	1		20	0.001	75				TRUE	TRUE	Quartz carbonate veinlets and fracture fill. weakly mineralized. dominant vein orientation sub perp tca. sericite alteration envelopes common.
	48.53	77.5	1		50						FALSE	FALSE	Chaotic quartz-calcite veining and fracture infill. weakly mineralized
	77.5	88.5	1		1	0.05		white			FALSE	FALSE	Quartz veins (weakly mineralized with no dominant orientation) often contain brecciated siltstone material within vein. siltstone brecciated along vein contacts.
	77.5	102	2		15	0.001	80	white			FALSE	FALSE	Late quartz veinlets (typically unmineralized, rare pyrrhotite, pyrite) cut cm scale quartz veins.
	102	135.8	2		20	0.001		black			TRUE	FALSE	Unknown vfg hard mineral in chaotic veining
	102	135.8	1		15	0.001	70	beige			FALSE	FALSE	Quartz feldspar veining with moderate clay alteration of felspar. weakly mineralized (pyrite, pyrrhotite).
	122.19	122.57	3			0.48	55	white			FALSE	FALSE	Quartz vein
	126.41	135.11	3		1	0.05		white			FALSE	FALSE	Quartz veins (weakly mineralized with no dominant orientation) material within vein.
	135.8	210.22	3		15	0.001	75	green			TRUE	FALSE	Clay altered veinlets (unknown green clay mineral)
	135.8	171	1		15	0.001		white			TRUE	TRUE	Weakly mineralized quartz veinlets. epidote alteration halos common
	157.27	169.19	2		2	0.002	75				FALSE	TRUE	Semimassive polymetallic sulphide veinlets
	173.16	175.18	1		2	0.002	80				FALSE	TRUE	Semimassive polymetallic sulphide veinlets

APPENDIX 4: Vein

Hole ID	From (m)	To (m)	Rank	Code	Count per m	Width (m)	Alpha	Colour	Grain Size	Texture	Altered	Mineralized	Notes
	175.18	198.3	1		5	0.001	70				TRUE	TRUE	Variably mineralized quartz veinlets (arseno, pyrite, sphalerite)
	175.2	175.89	2					white			FALSE	FALSE	Quartz vein subparallel tca
	210.22	254.82	1		50	0.001		white			TRUE	TRUE	Chaotic quartz veining associated with silica "flooding". weakly brecciates and displaces siltstone laminae, vein density increases near contacts with qpc and qfp. mineralization is not necessarily associated with vein density, min shows up at qfp contact
	254.82	258.38	1		50	0.001		white			TRUE	TRUE	
	258.38	259.1	1		5	0.001		white			FALSE	FALSE	Weakly pyrite mineralized quartz veinlets
	259.1	272.43	1		10	0.001	70	white			TRUE	TRUE	Sericite altered qf veinlets. rare pyrite and sphalerite mineralization
	272.43	309	1		15	0.001	80	white			FALSE	FALSE	Chaotic late stage white calcite stringers. no control on mineralization
JN19032	**0**	**1.52**	**1**		**10**						**FALSE**	**FALSE**	
	1.52	3.05	1		25						FALSE	TRUE	
	3.05	4.57	1		20						FALSE	TRUE	
	4.57	6.1	1		40						FALSE	FALSE	
	6.1	7.62	1		5						FALSE	TRUE	
	7.62	9.1	1		1						FALSE	FALSE	
	16.76	18.29	1		2						FALSE	TRUE	
	18.29	21.34	1		1						FALSE	TRUE	
	24.38	28.96	1		2						FALSE	TRUE	
JN19033	**0**	**1.52**	**1**		**75**						**FALSE**	**FALSE**	
	1.52	3.05	1		40						FALSE	FALSE	
	3.05	4.57	1		5						FALSE	FALSE	
	4.57	6.1	1		25						FALSE	FALSE	
	6.1	7.62	1		10						FALSE	FALSE	
	7.62	9.14	1		5						FALSE	FALSE	
	9.14	10.67	1		1						FALSE	FALSE	
	10.67	12.19	1		1						FALSE	TRUE	
	12.19	13.72	1		1						FALSE	FALSE	
	13.72	15.24	1		1						FALSE	TRUE	
	15.24	16.76	1		5						FALSE	FALSE	
	16.76	18.29	1		5						FALSE	TRUE	
	18.29	19.81	1		2						FALSE	TRUE	
	19.81	27.43	1		1						FALSE	TRUE	
	27.43	30.48	1		5						FALSE	TRUE	
JN19034	**0**	**1.52**	**1**		**40**						**FALSE**	**FALSE**	
	1.52	3.05	1		50						FALSE	TRUE	
	3.05	4.57	1		60						FALSE	TRUE	
	4.57	6.1	1		40						FALSE	TRUE	
	6.1	7.62	1		1						FALSE	FALSE	
	7.62	9.14	1		30						FALSE	TRUE	
	9.14	10.67	1		35						FALSE	TRUE	
	10.67	13.72	1		20						FALSE	TRUE	
	13.72	15.24	1		5						FALSE	TRUE	
	15.24	16.76	1		10						FALSE	TRUE	
	16.76	18.29	1		5						FALSE	TRUE	

APPENDIX 4: Vein

Hole ID	From (m)	To (m)	Rank	Code	Count per m	Width (m)	Alpha	Colour	Grain Size	Texture	Altered	Mineralized	Notes
	18.29	21.34	1		1						FALSE	TRUE	
JN19035	**0**	**1.52**	**1**		**60**						**FALSE**	**TRUE**	
	1.52	3.05	1		35						FALSE	TRUE	
	3.05	4.57	1		65						FALSE	TRUE	
	4.57	6.1	1		5						FALSE	FALSE	
	6.1	7.62	1		5						FALSE	TRUE	
	7.62	9.14	1		5						FALSE	TRUE	
	9.14	12.19	1		5						FALSE	TRUE	
	12.19	13.72	1		1						FALSE	TRUE	
	13.72	30.48	1		1						FALSE	TRUE	
JN19036	**0**	**4.57**	**1**		**30**						**FALSE**	**TRUE**	
	4.57	6.1	1		50						FALSE	TRUE	
	6.1	7.62	1		25						FALSE	TRUE	
	7.62	9.14	1		5						FALSE	FALSE	
	9.14	12.19	1		1						FALSE	FALSE	
	12.19	13.72	1		5						FALSE	TRUE	
	13.72	16.76	1		1						FALSE	FALSE	
	16.76	27.43	1		1						FALSE	TRUE	
	27.43	30.48	1		5						FALSE	TRUE	
JN19037	**0**	**1.52**	**1**		**1**						**FALSE**	**FALSE**	
	1.52	3.05	1		10						FALSE	FALSE	
	3.05	4.57	1		25						FALSE	TRUE	
	4.57	6.1	1		25						FALSE	FALSE	
	6.1	9.14	1		40						FALSE	TRUE	
	9.14	10.67	1		1						FALSE	FALSE	
	10.67	12.19	1		1						FALSE	FALSE	
	12.19	13.72	1		5						FALSE	TRUE	
JN19038	**6.1**	**7.62**	**1**		**1**						**FALSE**	**FALSE**	
	7.62	9.14	1		5						FALSE	FALSE	
	9.14	10.67	1		10						FALSE	TRUE	
	10.67	12.19	1		35						FALSE	TRUE	
	12.19	13.72	1		70						FALSE	TRUE	
	13.72	15.24	1		60						FALSE	TRUE	
	15.24	16.76	1		30						FALSE	TRUE	
	16.76	18.29	1		85						FALSE	TRUE	
	18.29	19.81	1		30						FALSE	TRUE	
	19.81	21.34	1		65						FALSE	TRUE	
	21.34	24.38	1		40						FALSE	TRUE	
	24.38	25.91	1		10						FALSE	TRUE	
	25.91	27.43	1		25						FALSE	TRUE	
	27.43	28.96	1		20						FALSE	TRUE	
	28.96	30.48	1		1						FALSE	TRUE	
JN19039	**3.5**	**26.5**	**1**		**5**	**0.001**	**65**	**white**			**TRUE**	**FALSE**	**Weakly clay altered q-f veinlets. weak pyrite mineralization.**
	26.5	29.9	1		1	0.01	45	white			FALSE	TRUE	Blebby pyrite in cm-scale quartz veins.

APPENDIX 4: Vein

Hole ID	From (m)	To (m)	Rank	Code	Count per m	Width (m)	Alpha	Colour	Grain Size	Texture	Altered	Mineralized	Notes
	26.5	29.9	2		10	0.001					FALSE	TRUE	Chaotic hairline quartz stringers, brecciate sediments where vein density is very high (27-29 m) pyrite and vfg sooty sulphide min throughout.
	29.9	35.5	1		20	0.001					FALSE	FALSE	Chaotic hairline dark grey stringers, vfg, unknown mineral, weakly pyrtie mineralization
	35.5	36.94	1		1	0.02	45	grey			FALSE	TRUE	Pyrite mineralized quartz-feldspar veins, weak to moderate clay alteration of the feldpar
	51.32	126	3								FALSE	FALSE	Late stage qc veinlets, hair thin, cut mineralized sheeted veins. unmineralized
	51.32	55	1		10	0.01	40				FALSE	TRUE	Variably mineralized (pyrite dominant , strong dominant orientation between 30-50) sheeted veinlets?? quartz-rich
	55	58.75	1		10	0.01	50	white			FALSE	TRUE	Veins average 1 cm thick up to 3 cm. mineralization increasing, blebby bi and te min more commonly associated with pyrite. good vein density. quart-rich
	58.75	59.21	1				60	white			FALSE	TRUE	Pyrite-bi-te mineralized quartz vein. close to tt, patchy mineralization follows internal banding of veins.
	59.21	64.52	1		7	0.01	50	white			FALSE	TRUE	Sheeted vein density starting to decrease. mineralization is notably lesser than overlying intervals. average 1 cm thick,
	64.52	86.5	1		1	0.01	40	white			FALSE	TRUE	Sheeted veins, average 1 cm thick, weakly sulphide and bi-te mineralized.
	86.5	96	1		2	0.01	40				FALSE	TRUE	Slight increase in vein sheeted vein denisty. mineralization increases in vein fractures and along vein margins.
	96	99.5	1		5	0.05	50				FALSE	TRUE	Zone of good vein denisty and good mineralization for au association.
	98.69	99	2				50				FALSE	FALSE	Sheeted vein, good mineralization bi and py smeared on fracture surface underlying vein
	99.5	126	1		1	0.01	50				FALSE	FALSE	Sheeted vein density stays the same but mineralized veins are only 1 per 5m. weakly mineralized
JN19040	**6.1**	**9.14**	**1**		**5**						**FALSE**	**TRUE**	
	10.67	12.19	1		5						FALSE	TRUE	
	12.19	15.24	1		20						FALSE	TRUE	
	15.24	16.76	1		30						FALSE	TRUE	
	16.76	24.38	1		50						FALSE	TRUE	
	24.38	27.43	1		30						FALSE	TRUE	
	27.43	28.96	1		10						FALSE	TRUE	
JN19041	**7.62**	**9.14**	**1**		**1**						**FALSE**	**TRUE**	
	10.67	13.72	1		5						FALSE	TRUE	
	13.72	15.24	1		5						FALSE	TRUE	
	15.24	24.38	1		30						FALSE	TRUE	
	24.38	30.48	1		40						FALSE	TRUE	
	30.48	32	1		30						FALSE	TRUE	
	32	33.53	1		40						FALSE	TRUE	
	33.53	38.1	1		20						FALSE	TRUE	
	38.1	39.62	1		30						FALSE	TRUE	
JN19042	**10.67**	**12.19**	**1**		**5**						**FALSE**	**TRUE**	
	16.76	18.29	1		50						FALSE	TRUE	
	18.29	28.96	1		5						FALSE	TRUE	
	28.96	30.48	1		25						FALSE	TRUE	
	30.48	32	1		30						FALSE	TRUE	

APPENDIX 4: Vein

Hole ID	From (m)	To (m)	Rank	Code	Count per m	Width (m)	Alpha	Colour	Grain Size	Texture	Altered	Mineralized	Notes
	32	39.62	1		70						FALSE	TRUE	
JN19043	**9.14**	**10.67**	**1**		**25**						**FALSE**	**TRUE**	
	10.67	13.72	1		15						FALSE	TRUE	
	13.72	15.24	1		20						FALSE	TRUE	
	15.24	16.76	1		10						FALSE	TRUE	
	16.76	18.29	1		60						FALSE	TRUE	
	18.29	19.05	1		50						FALSE	TRUE	

APPENDIX 4: Vein Mineralogy

Hole ID	From (m)	To (m)	Mineral	Rank	Percent	Grain Size	Texture	Notes
JN19020	**10.6**	**107.5**	**feldspar**	**1**	**5**	**very fine**		**Typically altered to clay, some feldspar remaining**
	10.6	107.5	quartz	1	75	very fine	massive	
	10.6	107.5	calcite	2	75			
	10.6	107.5	quartz	2	25			
	10.6	107.5	clay	1	20	very fine	massive	Clay altered on vein margins. assumed to be altered feldspar
	69.69	88	quartz	3	100	medium		
JN19021	**10.63**	**40**	**biotite**	**1**				
	10.63	40	chert	1	35			
	10.63	40	quartz	1	60			
	61.24	84.34	quartz	1	90			
	61.24	84.34	clay	1	10			Clay after feldspar
	102.5	104.36	quartz	2	90			
	102.5	104.36	clay	2	10			
	119.38	139.37	siderite	2	100			
	213.1	221	calcite	1				
	213.1	221	chalcopyrite	1				
	213.1	221	pyrite	1				
	213.1	221	pyrrhotite	1				
	213.1	221	quartz	1				
	231	237.15	calcite	1				
	249.58	253.85	calc silicate	1				
	249.58	253.85	magnetite	1				
	249.58	253.85	silica	1				
JN19031	**210.22**	**254.82**	**quartz**	**1**	**100**			

APPENDIX 4: Shear Zone

Hole ID	From (m)	To (m)	Rank	Code	Alpha	Ductility	Gouge (pct)	Altered	Mineralized	Notes
JN19020	**51.56**	**60.58**	**1**			**ductile**	**80**	**FALSE**	**FALSE**	
	71.54	107.5	1			transitional	20	TRUE	FALSE	Clay altered matrix and felspar grains in the qpc
	107.5	164	1			transitional	40	TRUE	TRUE	Weakly pyrite mineralized throughout. zone of massive sulphide directly underlying (pyrite, chalco). bottom 1 m of gouge has ground some of the massive sulphide
JN19021	**196**	**248.78**	**1**			**brittle**	**50**	**TRUE**	**TRUE**	**Pyrite and minor chalcopyrite replacement of breccia matrix and ground in gouge (213-248.78)**
JN19031	**15**	**17.42**	**1**			**brittle**	**10**	**TRUE**	**FALSE**	**Oxidized shear zone.**
	22	22.5	1			brittle	50	TRUE	FALSE	
JN19039	**30**	**51.64**	**1**			**brittle**	**10**	**TRUE**	**TRUE**	**Weakly pyrite mineralized. justin fault**
JN19041	**16.76**	**19.81**	**1**			**brittle**		**FALSE**	**FALSE**	**Fault zone indicated by drillers**
	19.81	24.38	1			brittle		FALSE	FALSE	Fault zone indicated by drillers
	24.38	25.91	1			brittle		FALSE	FALSE	Fault zone indicated by drillers
	25.91	28.96	1			brittle		FALSE	FALSE	Fault zone indicated by drillers
	28.96	30.48	1			brittle		FALSE	FALSE	Fault zone indicated by drillers
	30.48	32	1			brittle		FALSE	FALSE	Fault zone indicated by drillers
	32	33.53	1			brittle		FALSE	FALSE	Fault zone indicated by drillers
	33.53	38.1	1			brittle		FALSE	FALSE	Fault zone indicated by drillers
JN19042	**12.19**	**16.76**	**1**			**brittle**		**FALSE**	**FALSE**	**Fault zone indicated by drillers**
	19.81	21.34	1			brittle		FALSE	FALSE	Fault zone indicated by drillers

APPENDIX 4: Breccia

Hole ID	From (m	To (m)	Ranl	Cod	Matrix Supported	Type	Angularity	Min Clast Size (mm	Max Clast Size (mm	Avg Clast Size (mm	Matrix	Genesis	Altered	Mineralized	Notes
JN1902	**134**	**160.18**	**1**		**TRUE**	**chaoti**	**subangula**	**1**	**40**	**20**	**mixed**	**tectonic**	**TRUE**	**TRUE**	**Weakly pyrite mineralized matrix. clasts are dominantly limestone with lesser siltstone.**
JN1902	**204.5**	**224.5**	**1**		**TRUE**		**angular**	**1**	**50**	**20**	**particulat**	**unknowr**	**TRUE**	**TRUE**	
JN1903	**21.05**	**21.9**	**1**		**FALSE**	**mosai**	**subangula**	**1**	**50**	**5**	**cement**	**unknowr**	**FALSE**	**TRUE**	**Silica breccia mtx is moderately pyrite altered.**
	38.26	50.84	1		FALSE	mosaic	angular	1	100	5	particulate	tectonic	FALSE	FALSE	

APPENDIX 4: Breccia Mineralogy

Hole ID	From (m)	To (m)	Rank	Mineral	Percent	Grain Size	Texture	Notes
JN19021	204.5	224.5	1	pyrite	5			

APPENDIX 4: Structure

Hole ID	Depth (m)	Type	Rank	Generation	Alpha	Beta	Gamma	Dip Directior	Dip	Trend	Plunge	Sense	Width (m)	Confidence	Instrument	Notes
JN1902(	**11.87**	**bedding**	**1**		**65**	**93**									**sleeve**	
	11.95	bedding	1		60	84									sleeve	
	20.86	veinlet	1		60	335									sleeve	Clay altered veinlet (1 mm)
	20.88	veinlet	1		50	34									sleeve	Quartz veinlets (2 mm)
	20.9	bedding	1		40	149									sleeve	
	26.85	bedding	1		60	124									sleeve	
	38.81	bedding	1		65	81									sleeve	
	39.15	bedding	1		66	97									sleeve	
	39.32	veinlet	1		41	340									sleeve	Qc veinlet
	42.16	bedding	1		68	109									sleeve	
	42.47	veinlet	1		50	220									sleeve	Qc veinlet
	44.28	veinlet	1		42	294									sleeve	Py qc veinlet
	44.86	bedding	1		58	120									sleeve	
	47.96	bedding	1		60	149									sleeve	
JN19021	**137.57**	**veinlet**	**1**		**40**	**249**									**sleeve**	
	139.95	bedding	1		70	219									sleeve	Banded skarn, no other good planar features to measure
	249.1	band	1		55	48									sleeve	Mineralized bands in massive sulphide
	249.15	veinlet	1		65	23									sleeve	Calc silicate veinlet
	249.25	band	1		67	100									sleeve	Mineralized bands in massive sulphide
	249.42	band	1		70	80									sleeve	Mineralized bands in massive sulphide
	249.79	veinlet	1		20	232									sleeve	Calc silicate veinlet
	250.05	veinlet	1		75										sleeve	Pyrite, cpy veinlet
	250.7	veinlet	1		15	144									sleeve	Unmineralized veinlet
	250.74	veinlet	1		70	42									sleeve	Pyrrhotite veinlet
	250.78	veinlet	1		65	69									sleeve	Pyrrhotite cpy veinlet
	251	min band	1		22	144									sleeve	Pyrrhotite replacement band of skarn
	251.29	veinlet	1		15	161									sleeve	
	251.37	veinlet	1		35	178									sleeve	
JN19031	**19.9**	**bedding**	**1**		**40**	**311**									**sleeve**	
	20.1	veinlet	1		80	110									sleeve	Quartz
	20.65	veinlet	1		70	113									sleeve	Pyrite-quartz
	20.85	veinlet	1		75	110									sleeve	Quartz-limonite
	29.74	fracture	1		90										sleeve	Oxidized fracture
	38.85	veinlet	1		85	264									sleeve	Mineralized quartz veinlet
	41.9	fracture	1		30	142									sleeve	
	41.95	fracture	1		32	123									sleeve	
	44.8	fracture	1		30	105									sleeve	
	50.79	veinlet	1		65	54									sleeve	Pyrite mineralized qc veinlet
	62.8	veinlet	1		55	90									sleeve	Quartz veinlet
	62.83	veinlet	1		55	80									sleeve	Quartz veinlet
	62.89	veinlet	1		58	103									sleeve	Quartz veinlet
	64.36	foliation	1		20	288									sleeve	
	67.6	veinlet	1		40	61									sleeve	Quartz veinlet
	73.7	veinlet	1		58	132									sleeve	Quartz veinlet
	74.1	veinlet	1		35	307									sleeve	Mineralized veinlet
	76.9	veinlet	1		45	9									sleeve	Mineralized veinlet
	77.48	bedding	1		24	283									sleeve	
	80	bedding	1		20	304									sleeve	
	80.49	veinlet	1		25	283									sleeve	2cm quartz vein
	85.26	veinlet	1		75	53									sleeve	Quartz veinlet
	85.5	vein	1		36	262									sleeve	Quartz vein 10cm true thickness
	89.8	bedding	1		14	263									sleeve	
	90.96	bedding	1		22	293									sleeve	
	92.84	bedding	1		20	225									sleeve	Convoluted bedding, poor measurement quality

APPENDIX 4: Structure

Hole ID	Depth (m)	Type	Rank	Generation	Alpha	Beta	Gamma	Dip Directior	Dip	Trend	Plunge	Sense	Width (m)	Confidence	Instrument	Notes
	98.53	bedding	1		23	309									sleeve	
	104.73	veinlet	1		55	102									sleeve	Pyrite mineralized veinlet
	107.19	bedding	1		55	188									sleeve	
	107.6	bedding	1		38	176									sleeve	
	132.73	veinlet	1		65	58									sleeve	Clay altered veinlet
	146.25	veinlet	1		75	33									sleeve	Mineralized
	146.5	veinlet	1		70	33									sleeve	Mineralized
	147.25	bedding	1		20	306									sleeve	
	152.28	veinlet	1		55	74									sleeve	Clay altered
	153.1	veinlet	1		72	68									sleeve	Clay altered
	154.55	veinlet	1		50	54									sleeve	Clay altered
	157.79	veinlet	1		65	102									sleeve	Pyrite, cpy
	158.5	veinlet	1		65	84									sleeve	Pyrite
	161.2	veinlet	1		60										sleeve	No ori, asp, cpy, py
	161.95	veinlet	1		52										sleeve	No ori, quartz, asp, py
	167.05	veinlet	1		75										sleeve	No ori, asp, py
	169.05	veinlet	1		72										sleeve	No ori, asp, py
	169.9	bedding	1		10	265									sleeve	
	171.8	bedding	1		15	251									sleeve	Poor measurement, broken core
	179.1	veinlet	1		65										sleeve	No ori, asp,py
	182.3	veinlet	1		60	9									sleeve	Quartz
	183	fracture	1		65	9									sleeve	
	184	veinlet	1		73	12									sleeve	Quartz
	185.23	bedding	1		30	63									sleeve	Convoluted bedding, poor measurement quality
	197.5	bedding	1		7										sleeve	Convoluted bedding, poor measurement quality
	198.9	veinlet	1		85										sleeve	Asp,sp, py
	200.6	veinlet	1		55	4									sleeve	Clay altered
	201.78	veinlet	1		70	279									sleeve	Py
	204.9	bedding	1		35	93									sleeve	Poor measurement
	207.2	veinlet	1		35	339									sleeve	
	210.25	contact	1		60	342									sleeve	Minerzlized contact
	210.4	bedding	1		25	316									sleeve	
	211.5	bedding	1		35	304									sleeve	
	212.5	bedding	1		35	313									sleeve	
	215.6	veinlet	1		45	321									sleeve	White quartz
	220.3	bedding	1		5	304									sleeve	
	222.2	bedding	1		13	321									sleeve	
	227	bedding	1		5	283									sleeve	
	243.25	bedding	1		30	335									sleeve	
	245	veinlet	1		40	5									sleeve	Py
	245.5	bedding	1		5	118									sleeve	
	254	bedding	1		0										sleeve	
	254.74	contact	1		70	35									sleeve	
	260.5	veinlet	1		30	351									sleeve	
	263	veinlet	1		48	328									sleeve	Qtz-ser veinlet
	266.95	veinlet	1		60	46									sleeve	Py min veinlet
	272.39	contact	1		30	42									sleeve	Qfp/siltstone contact, undulose
	274.05	contact	1		35										sleeve	Siltstone/qfp contact
	277.36	veinlet	1		60	293									sleeve	Qtz veinlet
	277.64	veinlet	1		48	318									sleeve	Qtz veinlet
	281.23	contact	1		15										sleeve	Qpc/siltstone contact
	283.11	contact	1		20										sleeve	Qpc/siltstone contact
	285	veinlet	1		42	258									sleeve	Qtz-carb veinlet
JN1903	**53.3**	**veinlet**	**1**		**26**	**318**									**sleeve**	**Sulphide min**
	55.22	veinlet	1		35										sleeve	Bi,te,py, sheeted vein
	55.45	veinlet	1		48	307									sleeve	Sheeted vein, bi, te, py

APPENDIX 4: Structure

Hole ID	Depth (m)	Type	Rank	Generation	Alpha	Beta	Gamma	Dip Directior	Dip	Trend	Plunge	Sense	Width (m)	Confidence	Instrument	Notes
	55.65	veinlet	1		42	299									sleeve	Sheeted vein
	56.25	veinlet	1		38	325									sleeve	Sheeted vein
	59.23	veinlet	1		45	328									sleeve	Sheeted vein, bottom contact, bi,te,py
	63.14	veinlet	1		40	320									sleeve	Sheeted vein
	63.3	veinlet	1		42	328									sleeve	Sheeted vein
	64.6	veinlet	1		30	313									sleeve	Sheeted vein, no min
	71.3	veinlet	1		40	299									sleeve	Sheeted vein, no min
	71.7	veinlet	1		38	297									sleeve	Sheeted vein, bi+py
	82.3	veinlet	1		42										sleeve	Sheeted vein, sulfide
	86.25	veinlet	1		32	307									sleeve	Sheeted vein, py
	98.8	veinlet	1		42										sleeve	Sheeted vein, bi+py
	110.9	veinlet	1		45	9									sleeve	Sheeted vein, no min
	124.5	veinlet	1		40	311									sleeve	Sheeted vein,no min

APPENDIX 4: Geotech

Hole ID	From (m)	To (m)	Redcovered Length (m)	Recovery (pct)	RQD Length (m)	RQD (pct)	RQD Pieces	Fracture Count	Longest Stick	Notes
JN19020	**10.5**	**12**	**1.4**	**93.33**	**0.59**	**39.33**	**4**	**2**	**0.22**	
	12	15	3	100	0.91	30.33	6	4	0.22	
	15	18	2.63	87.67	0.71	23.67	6	4	0.16	
	18	21	2.7	90	0.96	32	8	3	0.23	
	21	24	2.78	92.67	0.92	30.67	8	6	0.22	
	24	27	2.78	92.67	0.85	28.33	7	5	0.21	
	27	30	2.84	94.67	0.68	22.67	4	4	0.28	
	30	33	2.68	89.33	0.33	11	2	2	0.22	
	33	36	2.4	80	0.35	11.67	3	11	0.13	
	36	39	2.85	95	0.73	24.33	5	10	0.2	
	39	42	2.99	99.67	0.62	20.67	5	13	0.17	
	42	45	3	100	0.61	20.33	5	22	0.17	
	45	48	3	100	1.17	39	7	12	0.32	
	48	51	3	100	0.97	32.33	6	20	0.23	
	51	54	1.4	46.67	0	0	0	0	0	Void fault gouge
	54	57	1.22	40.67	0	0	0	0	0	Void fault gouge
	57	60	2	66.67	0	0	0	0	0	Void fault gouge
	60	63	2.26	75.33	0.28	9.33	2	0	0.14	
	63	66	2.37	79	0.55	18.33	4	3	0.19	
	66	69	2.79	93	2.21	73.67	11	3	0.44	
	69	72	2.74	91.33	1.55	51.67	12	6	0.28	
	72	75	2.85	95	1.69	56.33	10	5	0.21	
	75	78	1.56	52	0	0	0	0	0	Fault gouge
	78	81	1	33.33	0	0	0	0	0	Fault gouge. void.
	81	84	2.6	86.67	0.77	25.67	6	2	0.19	
	84	87	1	33.33	0.14	4.67	1	0	0.14	Void fault gouge
	87	90	1.81	60.33	0	0	0	0	0	Fault gouge and rock chunks
	90	93	2.13	71	0.3	10	2	50	0.16	See photos.
	93	96	1.88	62.67	0.13	4.33	1	50	0.13	See photo
	96	99	1.8	60	0	0	0	50	0	See photos
	99	102	2.39	79.67	0.1	3.33	1	50	0.1	See photos
	102	105	2.02	67.33	0	0	0	50	0	See photo
	105	108	0.26	8.67	0	0	0	50	0	See photo.
	108	111	2.38	79.33	0.57	19	5	50	0.14	See photo
	111	114	2	66.67	0.44	14.67	3	50	0.22	See photo
	114	117	0.97	32.33	0.24	8	2	50	0.13	See photo
	117	120	0.25	8.33	0	0	0	25	0	See photo
	120	123	0.15	5	0	0	0	25	0	See photo
	123	126	0.21	7	0	0	0	25	0	See photo. on fault.
	126	129	2	66.67	0	0	0	0	0	In a fault
	129	132	0.9	30	0.12	4	12	0	0.12	In fault. see photo
	132	135	1.72	57.33	0.67	22.33	5	0	0.2	In fault.
	135	138	2.69	89.67	0.82	27.33	5	0	0.35	In fault see photo
	138	141	2.54	84.67	0.67	22.33	6	50	0.3	In fault see notes
	141	144	1.5	50	0.6	20	2	50	0.32	See photo in fault.
	144	147	2.72	90.67	1.92	64	12	50	0.37	In fault.
	147	150	1.48	49.33	0.58	19.33	4	50	0.27	See photo
	150	153	0.86	28.67	0.16	5.33	1	50	0.16	See photo.
	153	156	2.74	91.33	0.71	23.67	4	50	0.25	See photo
	156	159	2.74	91.33	0.58	19.33	6	50	0.19	See photo.
	159	162	2.83	94.33	0.53	17.67	1	50	0.53	See photo.

APPENDIX 4: Geotech

Hole ID	From (m)	To (m)	Redcovered Length (m)	Recovery (pct)	RQD Length (m)	RQD (pct)	RQD Pieces	Fracture Count	Longest Stick	Notes
	162	165	2.76	92	0.79	26.33	5	50	0.28	See photo.
	165	168	2.72	90.67	0.69	23	3	50	0.31	See photo
	168	171	2.94	98	1.9	63.33	13	2	0.19	
	171	174	2.85	95	2.3	76.67	9	3	0.45	
	174	177	2.83	94.33	1.77	59	10	5	0.24	
	177	180	2.89	96.33	0.34	11.33	3	50	0.13	Seephoto
	180	183	2.9	96.67	2.36	78.67	14	1	0.36	
	183	186	2.9	96.67	1.81	60.33	11	4	0.28	
	186	189	2.74	91.33	1.94	64.67	12	3	0.31	
	189	192	2.85	95	2.02	67.33	14	6	0.33	
	192	195	2.86	95.33	0.81	27	5	5	0.27	
	195	198	2.87	95.67	0.63	21	4	3	0.19	
	198	201	2.86	95.33	1.11	37	8	6	0.24	
	201	204	2.94	98	2.33	77.67	13	5	0.31	
	204	207	2.87	95.67	2.26	75.33	15	4	0.25	
	207	210	3	100	2.59	86.33	13	10	0.24	
	210	213	2.97	99	1.8	60	10	7	0.27	
	213	216	2.92	97.33	1.03	34.33	8	8	0.18	
	216	219	3	100	2.23	74.33	11	5	0.33	
	219	222	2.79	93	1.31	43.67	8	7	0.26	End of hole
JN19021	**10.63**	**12**	**1.3**	**94.89**	**0.77**	**56.2**	**8**	**24**	**0.28**	
	12	15	1.82	60.67	1.12	37.33	7	50	0.25	
	15	18	2.75	91.67	1.8	60	16	27	0.24	
	18	21	2.43	81	1.57	52.33	9	30	0.3	
	21	24	2.71	90.33	1.63	54.33	14	31	0.31	
	24	27	2.44	81.33	1.16	38.67	12	50	0.21	
	27	30	2.09	69.67	0.79	26.33	8	50	0.21	
	30	33	2.29	76.33	0.95	31.67	8	55	0.18	
	33	36	2.48	82.67	1.11	37	12	37	0.22	
	36	39	2.65	88.33	0.93	31	6	50	0.24	
	39	42	2.81	93.67	2.06	68.67	11	21	0.46	
	42	45	2.91	97	1.71	57	9	25	0.35	
	45	48	2.7	90	1.67	55.67	8	50	0.45	
	48	51	2.81	93.67	1.54	51.33	8	28	0.28	
	51	54	2.7	90	0.75	25	4	50	0.25	
	54	57	2.8	93.33	2	66.67	10	25	0.28	
	57	60	2.91	97	2.08	69.33	11	30	0.31	
	60	63	2.79	93	2.02	67.33	12	25	0.45	
	63	66	2.76	92	1.17	39	7	38	0.32	
	66	69	2.65	88.33	1.27	42.33	8	27	0.31	
	69	72	2.63	87.67	1.36	45.33	12	31	0.23	
	72	75	2.61	87	1.61	53.67	10	25	0.26	
	75	78	2.72	90.67	1.45	48.33	10	35	0.25	
	78	81	2.7	90	2.04	68	9	21	0.33	
	81	84	2.77	92.33	1.82	60.67	10	25	0.29	
	84	87	2.22	74	0.49	16.33	4	60	0.17	
	87	90	2.34	78	1.16	38.67	6	52	0.27	
	90	93	2.84	94.67	2.6	86.67	11	28	0.44	
	93	96	2.85	95	2.32	77.33	10	18	0.34	
	96	99	2.68	89.33	1.34	44.67	10	31	0.32	
	99	102	2.43	81	1.65	55	9	43	0.25	

APPENDIX 4: Geotech

Hole ID	From (m)	To (m)	Redcovered Length (m)	Recovery (pct)	RQD Length (m)	RQD (pct)	RQD Pieces	Fracture Count	Longest Stick	Notes
	102	105	2.55	85	1.38	46	10	52	0.24	
	105	108	2.57	85.67	2.03	67.67	13	18	0.41	
	108	111	2.75	91.67	2.57	85.67	16	19	0.29	□
	111	114	2.77	92.33	2.23	74.33	10	17	0.52	
	114	117	2.38	79.33	0.79	26.33	6	55	0.17	
	117	120	2.3	76.67	1.21	40.33	7	55	0.39	
	120	123	2.88	96	2.22	74	11	18	0.36	
	123	126	2.84	94.67	2.24	74.67	12	17	0.27	
	126	129	2.85	95	2.32	77.33	11	17	0.35	
	129	132	2.79	93	2.06	68.67	11	28	0.34	
	132	135	3	100	2.72	90.67	12	16	0.4	
	135	138	2.97	99	2.25	75	13	19	0.45	
	138	141	2.91	97	2.6	86.67	12	13	0.41	
	141	144	2.75	91.67	1.67	55.67	9	22	0.27	
	144	147	2.66	88.67	0.66	22	5	41	0.17	
	147	150	2.12	70.67	0.67	22.33	5	58	0.12	
	150	153	1.72	57.33	0.13	4.33	1	60	0.13	
	153	156	1.98	66	0.54	18	4	52	0.15	
	156	159	2.18	72.67	0.15	5	1	60	0.15	
	159	162	1.89	63	0.27	9	2	63	0.15	
	162	165	1.47	49	0	0	0	66	0	
	165	168	2.21	73.67	0.25	8.33	2	66	0.14	
	168	171	1.82	60.67	0.37	12.33	2	66	0.21	
	171	174	1.42	47.33	0.41	13.67	3	66	0.15	
	174	177	1.91	63.67	0.12	4	1	96	0.12	
	177	180	1.73	57.67	0.2	6.67	2	66	0.1	
	180	183	1.38	46	0.61	20.33	4	66	0.21	
	183	186	1.76	58.67	0.34	11.33	3	66	0.12	
	186	189	1.62	54	0.25	8.33	2	66	0.13	
	189	192	1.51	50.33	0	0	0	66	0.08	
	192	195	1.36	45.33	0.1	3.33	1	66	0.1	
	195	198	0.74	24.67	0	0	0	66	0.09	
	198	201	1.43	47.67	0.15	5	1	66	0.15	
	201	204	2	66.67	0.11	3.67	1	66	0.11	
	204	207	2.53	84.33	1.07	35.67	8	45	0.22	
	207	210	0.92	30.67	0.16	5.33	1	66	0.16	
	210	213	0.85	28.33	0.1	3.33	1	66	0.1	
	213	216	1.07	35.67	0.11	3.67	1	66	0.11	
	216	219	1.04	34.67	0.24	8	2	66	0.13	
	219	222	1.21	40.33	0.2	6.67	2	66	0.1	
	222	225	1.68	56	0.52	17.33	4	66	0.18	
	225	228	0.77	25.67	0.51	17	3	66	0.24	
	228	231	0.45	15	0.14	4.67	1	66	0.14	
	231	234	0.58	19.33	0	0	0	66	0.04	
	234	237	1.34	44.67	0	0	0	66	0.07	
	237	240	1.54	51.33	0.3	10	3	66	0.1	
	240	243	1.63	54.33	0.96	32	4	32	0.33	
	243	246	0.72	24	0	0	0	66	0.09	
	246	249	1.93	64.33	1.07	35.67	5	42	0.39	
	249	252	2.93	97.67	2.66	88.67	11	10	0.44	
	252	255	2.79	93	1.17	39	7	34	0.28	
	255	258	2.61	87	1.17	39	7	44	0.21	

APPENDIX 4: Geotech

Hole ID	From (m)	To (m)	Redcovered Length (m)	Recovery (pct)	RQD Length (m)	RQD (pct)	RQD Pieces	Fracture Count	Longest Stick	Notes
	258	261	2.51	83.67	0.73	24.33	2	45	0.48	
	261	264	2.69	89.67	1.33	44.33	11	32	0.22	
	264	267	2.83	94.33	2.42	80.67	11	14	0.4	
	267	270	2.59	86.33	1.56	52	11	52	0.25	
	270	273	2.91	97	2.74	91.33	13	15	0.34	Hq to 252.45 reduced to nq at 252.45
	273	276	2.93	97.67	2.55	85	13	22	0.33	
	276	279	2.85	95	2.25	75	7	15	0.5	
	279	282	3	100	1.98	66	10	31	0.38	
	282	285	2.91	97	2.72	90.67	8	8	0.56	
	285	288	2.92	97.33	2.77	92.33	14	22	0.48	
	288	291	2.96	98.67	2.36	78.67	10	18	0.56	
	291	294	2.98	99.33	2.78	92.67	6	12	1	
	294	297	2.87	95.67	2.65	88.33	13	22	0.49	
	297	300	2.72	90.67	2.08	69.33	13	34	0.31	
	300	303	2.88	96	1.7	56.67	11	42	0.4	
JN19031	**12**	**15**	**2.19**	**73**	**0.5**	**16.67**	**3**	**66**	**0.21**	
	15	18	2.67	89	0	0	0	66	0.09	
	18	21	2.96	98.67	2.21	73.67	13	32	0.34	
	21	24	2.68	89.33	0.93	31	8	64	0.15	
	24	27	2.79	93	1.17	39	9	32	0.18	
	27	30	2.73	91	0.49	16.33	4	42	0.15	
	30	33	2.58	86	0.63	21	5	58	0.16	
	33	36	2.92	97.33	1.21	40.33	9	45	0.18	
	36	39	2.9	96.67	1.29	43	8	52	0.24	
	39	42	2.78	92.67	1.32	44	7	31	0.29	
	42	45	2.97	99	1.43	47.67	11	41	0.18	
	45	48	2.83	94.33	0.65	21.67	5	62	0.19	
	48	51	2.34	78	0.48	16	3	69	0.13	
	51	54	3	100	2.41	80.33	14	41	0.39	
	54	57	2.91	97	2.18	72.67	15	34	0.3	
	57	60	2.41	80.33	1.36	45.33	11	48	0.26	
	60	63	2.9	96.67	2.11	70.33	10	39	0.69	
	63	66	3	100	1.22	40.67	7		0.53	
	66	69	3	100	2.65	88.33	10	22	0.61	
	69	72	2.89	96.33	2.59	86.33	12	18	0.51	
	72	75	2.95	98.33	2.86	95.33	10	8	0.57	
	75	78	2.97	99	2.77	92.33	9	9	0.82	
	78	81	3	100	2.88	96	9	12	0.59	
	81	84	3	100	2.89	96.33	8	19	0.66	
	84	87	2.95	98.33	2.05	68.33	10	25	0.51	
	87	90	3	100	2.65	88.33	11	28	0.46	
	90	93	2.82	94	2.62	87.33	13	18	0.39	
	93	96	2.82	94	2.44	81.33	11	28	0.25	
	96	99	2.89	96.33	2.57	85.67	13	22	0.5	
	99	102	2.54	84.67	0.84	28	6	38	0.29	
	102	105	2.78	92.67	1.98	66	13	45	0.32	
	105	108	2.96	98.67	2.39	79.67	11	20	0.46	
	108	111	3	100	2.51	83.67	12	18	0.43	
	111	114	2.56	85.33	0.63	21	4	58	0.2	
	114	117	2.66	88.67	0.53	17.67	5	63	0.13	
	117	120	2.36	78.67	0.69	23	6	66	0.13	

APPENDIX 4: Geotech

Hole ID	From (m)	To (m)	Redcovered Length (m)	Recovery (pct)	RQD Length (m)	RQD (pct)	RQD Pieces	Fracture Count	Longest Stick	Notes
	120	123	2.62	87.33	1.53	51	12	34	0.19	
	123	126	2.96	98.67	1.64	54.67	10	55	0.27	
	126	129	2.85	95	1.99	66.33	14	22	0.32	
	129	132	2.67	89	1.6	53.33	13	32	0.25	
	132	135	2.88	96	2.31	77	13	21	0.6	
	135	138	2.83	94.33	1.65	55	11	28	0.23	
	138	141	2.77	92.33	0.69	23	4	55	0.28	
	141	144	2.7	90	1.31	43.67	8	48	0.27	
	144	147	2.84	94.67	2.07	69	13	45	0.25	
	147	150	2.71	90.33	1.93	64.33	11	55	0.4	
	150	153	2.98	99.33	1.33	44.33	9	58	0.27	
	153	156	2.89	96.33	1.98	66	12	38	0.37	
	156	159	2.87	95.67	2.11	70.33	10	27	0.5	
	159	162	2.72	90.67	1.63	54.33	11	21	0.3	
	162	165	2.82	94	1.35	45	9	38	0.23	
	165	168	2.85	95	1.47	49	13	44	0.18	
	168	171	2.8	93.33	1.55	51.67	9	45	0.26	
	171	174	2.97	99	2.16	72	8	17	0.45	
	174	177	2.75	91.67	1.98	66	12	31	0.3	
	177	180	3	100	0.61	20.33	1	66	0.61	
	180	183	3	100	2.25	75	8	18	0.62	
	183	186	2.95	98.33	2.83	94.33	12	10	0.47	
	186	189	3	100	2.76	92	11	11	0.61	
	189	192	2.89	96.33	2.11	70.33	9	21	0.37	
	192	195	2.98	99.33	2.54	84.67	10	13	0.53	
	195	198	2.83	94.33	2.42	80.67	9	15	0.66	
	198	201	2.98	99.33	2.48	82.67	11	4	0.54	
	201	204	3	100	2.76	92	12	4	0.43	
	204	207	2.9	96.67	2.37	79	13	4	0.33	
	207	210	2.92	97.33	2.53	84.33	13	5	0.46	
	210	213	3	100	2.96	98.67	9	4	0.53	
	213	216	2.92	97.33	2.83	94.33	15	5	0.35	
	216	219	2.92	97.33	2.62	87.33	12	6	0.4	
	219	222	2.9	96.67	2.79	93	11	5	0.5	
	222	225	2.6	86.67	1.96	65.33	11	5	0.42	
	225	228	2.89	96.33	2.8	93.33	9	5	0.44	
	228	231	3	100	2.05	68.33	6	4	0.59	
	231	234	3	100	2.62	87.33	12	6	0.44	
	234	237	2.97	99	2.55	85	7	4	0.8	
	237	240	2.89	96.33	2.67	89	7	7	0.43	
	240	243	2.96	98.67	2.25	75	8	3	0.7	
	243	246	2.97	99	2.64	88	8	4	0.9	
	246	249	2.98	99.33	2.78	92.67	10	6	0.94	
	249	252	2.99	99.67	2.55	85	8	3	0.57	
	252	255	3	100	2.68	89.33	10	4	0.84	
	255	258	2.7	90	1.13	37.67	8		0.46	
	258	261	2.98	99.33	2.62	87.33	7	5	0.73	
	261	264	2.91	97	1.81	60.33	9	10	0.22	
	264	267	2.95	98.33	1.37	45.67	3	15	0.77	
	267	270	2.98	99.33	2.48	82.67	8	10	0.49	
	270	273	2.94	98	2.15	71.67	9	20	0.59	
	273	276	2.98	99.33	2.63	87.67	11	10	0.64	

APPENDIX 4: Geotech

Hole ID	From (m)	To (m)	Redcovered Length (m)	Recovery (pct)	RQD Length (m)	RQD (pct)	RQD Pieces	Fracture Count	Longest Stick	Notes
	276	279	2.96	98.67	2.6	86.67	9	10	0.6	
	279	282	2.97	99	2.39	79.67	9	10	0.45	
	282	285	2.96	98.67	2.38	79.33	9	15	0.34	
	285	288	2.92	97.33	2.66	88.67	8	20	0.49	
	288	291	3	100	2.92	97.33	11	15	0.47	
	291	294	2.94	98	2.64	88	11	20	0.44	
	294	297	3	100	2.69	89.67	8	10	0.56	
	297	300	2.79	93	0.56	18.67	3	100	0.2	
	300	303	2.87	95.67	1.06	35.33	5	50	0.35	
	303	306	3	100	2.99	99.67	5	10	0.4	
	306	309	3	100	2.22	74	6	10	0.59	
JN19039	**3.5**	**6**	**1.02**	**40.8**	**0**	**0**	**0**	**66**	**0.07**	
	6	9	1.05	35	0.3	10	1	64	0.3	
	9	12	1.72	57.33	0.21	7	2	65	0.11	
	12	15	2.48	82.67	1.53	51	9	38	0.25	
	15	18	1.53	51	0.22	7.33	2	66	0.11	
	18	21	1.63	54.33	0	0	0	100	0.07	
	21	24	2.03	67.67	0.85	28.33	5	67	0.24	
	24	27	2.48	82.67	0.71	23.67	6	65	0.21	
	27	30	2.65	88.33	0.96	32	8	69	0.17	
	30	33	1.91	63.67	0.57	19	5	60	0.17	
	33	36	2.39	79.67	1.25	41.67	9	69	0.24	
	36	39	2.08	69.33	0.77	25.67	5	65	0.17	
	39	42	2.62	87.33	1.35	45	10	45	0.26	
	42	45	2.54	84.67	0.65	21.67	4	69	0.18	
	45	48	2.47	82.33	1.39	46.33	7	54	0.24	
	48	51	1.85	61.67	0.13	4.33	1	66	0.13	
	51	54	2.52	84	2.14	71.33	9	18	0.44	
	54	57	2.95	98.33	2.35	78.33	9	22	0.58	
	57	60	3	100	2.67	89	15	22	0.38	
	60	63	2.97	99	2.27	75.67	13	55	0.46	
	63	66	2.9	96.67	1.99	66.33	9	15	0.29	
	66	69	3	100	1.87	62.33	11	20	0.31	
	69	72	2.98	99.33	2.17	72.33	8	15	0.47	
	72	75	2.96	98.67	1.23	41	6	100	0.36	
	75	78	2.95	98.33	1.18	39.33	7	20	0.24	
	78	81	2.76	92	0.64	21.33	3	25	0.22	
	81	84	2.83	94.33	1.88	62.67	10	20	0.32	
	84	87	2.76	92	2.05	68.33	8	20	0.4	
	87	90	2.8	93.33	0.93	31	7	25	0.2	
	90	93	2.7	90	0.88	29.33	6	30	0.18	
	93	96	2.89	96.33	1.37	45.67	9	25	0.21	
	96	99	3	100	1.59	53	9	30	0.38	
	99	102	2.89	96.33	1.71	57	7	50	0.35	
	102	105	3	100	1.71	57	8	15	0.5	
	105	108	3	100	1.85	61.67	11	14	0.35	
	108	111	2.81	93.67	1.93	64.33	8	45	0.42	
	111	114	2.86	95.33	1.23	41	6	32	0.38	
	114	117	2.74	91.33	1.66	55.33	12	43	0.21	
	117	120	2.86	95.33	1.96	65.33	12	35	0.31	
	120	123	2.84	94.67	2.15	71.67	10	22	0.31	

APPENDIX 4: Geotech

Hole ID	From (m)	To (m)	Redcovered Length (m)	Recovery (pct)	RQD Length (m)	RQD (pct)	RQD Pieces	Fracture Count	Longest Stick	Notes
	123	126	3	100	2.58	86	12	22	0.31	

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Recovery (m)	Ag (ppm)	Al (pct)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Br (ppm)	C (pct)	Ca (pct)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)
JN19020	**JN19020-001**	**24**	**25**	**0.81**	**0.08**	**1.02**	**4.6**	**-5**	**-10**	**30**	**0.98**	**0.46**			**0.48**	**0.04**	**69.2**	**20.2**	**27**	**1.2**
	JN19020-002	33.69	34.53	0.81	0.06	3.65	5	-5	-10	190	1.42	0.35			5.1	0.06	47.9	15.3	42	7.21
	JN19020-003	50	50.99	0.99	0.07	4.82	2.7	-5	10	30	1.31	0.29			11.15	0.05	31.6	10.5	25	3.25
	JN19020-004	66.53	67.36	0.82	0.03	0.59	0.6	-5	-10	40	0.19	0.05			1.06	0.07	18.45	0.9	13	2.08
	JN19020-005	67.36	67.9	0.53	0.04	0.95	4.5	-5	-10	110	0.54	0.09			1.21	0.05	23	2.7	18	3.44
	JN19020-006	87	88	1	0.04	0.28	2.8	-5	-10	20	0.17	0.09			0.05	0.17	27	2.5	20	0.88
	JN19020-007	88	89	1	0.04	0.21	1.8	-5	-10	20	0.2	0.08			0.1	0.06	34.5	4.1	16	0.87
	JN19020-008	89	90	0.42	0.02	0.26	2	-5	-10	10	0.16	0.03			0.07	0.04	28.5	2.3	14	0.61
	JN19020-009	90	91	1	0.02	0.29	1.7	-5	-10	-10	0.18	0.04			0.07	0.04	33.3	1.9	18	0.25
	JN19020-010	91	92	1	0.12	0.31	3050	31	-10	20	0.21	0.34			0.07	0.27	28	2.4	16	0.84
	JN19020-011	92	93	0.57	0.11	0.29	25.8	-5	-10	10	0.15	0.2			0.05	3.43	26.1	2.4	13	0.59
	JN19020-012	93	94	1	0.98	0.38	6040	82	-10	20	0.23	2.21			0.05	12.4	21.6	3.4	10	0.98
	JN19020-013	94	95	1	0.68	0.31	63.3	-5	-10	20	0.19	1.37			0.05	1.96	19.05	2.5	13	0.93
	JN19020-014	95	96	1	0.1	0.3	81.5	5	-10	20	0.2	0.15			0.06	0.69	25.6	3.6	12	0.65
	JN19020-015	96	97	1	0.03	0.26	2.9	-5	-10	10	0.17	0.04			0.08	0.08	27.1	2.2	14	0.43
	JN19020-016	111.15	112.5	1.13	0.05	1.48	5.9	-5	-10	10	1.35	4.38			0.76	0.13	144.5	23.8	41	1.8
	JN19020-017	112.5	114	0.41	0.12	0.98	5	6	-10	20	0.76	0.34			0.34	0.09	82	24.2	28	0.59
	JN19020-018	114	115.5	0.4	0.23	0.97	50.3	172	-10	50	0.5	1.75			0.26	0.09	85.8	36.6	13	1.05
	JN19020-019	115.5	117	0.57	0.17	0.82	56	93	-10	60	0.39	0.69			0.15	0.08	70.2	22.3	9	1.35
	JN19020-020	150	151.5	0.43	0.3	0.86	10.6	5	-10	10	0.61	0.55			8.97	0.59	88.8	16.1	17	1.22
	JN19020-021	151.5	153	0.49	0.29	0.71	10.7	9	-10	10	0.38	0.46			2.44	0.17	65.4	14.8	19	0.57
	JN19020-022	153	154.5	1.5	0.14	0.6	7.2	6	-10	10	0.37	0.27			19.45	0.15	39.2	10.4	13	1.03
	JN19020-023	154.5	156	1.14	0.11	0.36	3.3	5	-10	10	0.19	0.12			25	0.1	22.1	3.7	5	0.3
	JN19020-024	156	157.5	1.26	0.09	0.44	3.4	-5	-10	-10	0.27	0.18			24.4	0.09	38.7	6.2	8	0.5
	JN19020-025	157.5	159	1.27	0.08	0.47	3.9	-5	-10	-10	0.26	0.18			25	0.08	32.4	5.7	10	0.36
	JN19020-026	159	160	1	0.1	0.58	5.8	-5	-10	-10	0.38	0.25			24.4	0.12	31.5	8	8	0.63
	JN19020-027	160	161	0.8	0.12	0.54	6.9	-5	-10	-10	0.33	0.23			22.7	0.13	36.2	7.8	8	0.61
	JN19020-028	161	162	0.9	0.24	0.74	26.7	-5	-10	10	0.49	0.44			17.75	0.26	50	9.7	11	2.08
	JN19020-029	162	163	0.9	0.33	0.9	21	8	-10	10	0.72	1.72			0.68	0.46	74.7	19.3	19	1.19
	JN19020-030	163	163.5	0.48	0.92	0.76	67.6	12	-10	30	4.54	47.6			0.6	0.07	42.3	20.7	12	0.84
	JN19020-031	163.5	164	0.48	1.63	0.48	133	23	-10	20	2.81	257			0.39	0.13	39.4	20.1	11	0.72
	JN19020-032	164	164.5	0.5	1.94	0.53	478	15	-10	20	2.03	132			0.3	0.26	31.1	20.1	13	0.61
	JN19020-033	164.5	165	0.4	2.34	0.18	6670	25	-10	10	1.12	152.5			0.2	0.49	10.4	47.6	6	0.23
	JN19020-034	165	165.5	0.45	1.47	0.2	1265	102	-10	10	0.9	110.5			0.4	-0.01	20.4	24.5	6	0.28
	JN19020-035	165.5	166	0.5	1.22	0.63	92.2	219	20	10	5.2	375			2.45	-0.01	10.05	28.6	9	1.19
	JN19020-036	166	166.89	0.69	1.23	0.55	66.6	719	10	10	2.36	402			1.69	-0.01	9.51	44.7	8	0.91
	JN19020-037	166.89	168	0.66	0.43	0.47	19.4	1145	-10	10	3.09	1095			1.8	-0.01	35.4	14.7	18	0.87
	JN19020-038	168	169	1	0.18	1.41	8	339	-10	20	2.86	123.5			4.04	-0.01	78.3	9.4	34	4.04
	JN19020-039	169	170	0.95	0.05	1.73	6.3	83	-10	10	3	25.3			8.67	-0.01	17.7	3.9	19	1.56
	JN19020-040	170	171	0.9	0.26	1.44	3.8	1290	10	20	6.76	389			2.79	-0.01	60.5	5.3	25	0.8
	JN19020-041	171	172	0.9	0.42	1.5	2.8	543	10	10	3.9	169.5			5.13	-0.01	24.1	6	16	2.52
	JN19020-042	172	172.82	0.81	1.72	1.2	17.7	777	10	10	4.8	118.5			3.47	0.04	24.1	26.9	19	0.67
	JN19020-043	172.82	174	1.05	0.23	1.99	3.6	493	10	10	4.01	51.4			4.94	-0.01	45.6	6.1	19	1.17
	JN19020-044	174	175	0.9	0.37	1.85	2.6	2860	10	10	3.06	373			3.28	-0.01	29.4	5.3	8	1.15
	JN19020-045	175	176	0.99	0.22	0.74	2.4	911	-10	50	1.16	139			0.84	0.09	52.6	3.1	5	1.87
	JN19020-046	176	177	0.9	0.08	0.67	1.4	119	-10	30	1.23	18			1.51	0.13	62.5	2.6	4	1.19
	JN19020-047	177	178.18	1	0.24	0.63	17.6	824	-10	20	0.98	74.1			0.75	0.15	50.1	2.4	4	1.13
	JN19020-048	178.33	179.46	1.05	1.37	0.34	36.4	10500	-10	10	6.39	983			1.34	-0.01	39.5	27.1	7	0.14
	JN19020-049	179.46	180.44	0.91	0.16	0.35	3.9	1075	-10	30	12.65	147			2.88	-0.01	35.4	20.7	6	0.1
	JN19020-050	180.44	181	0.52	0.05	0.1	8.8	77	-10	10	2.4	23.2			2.76	-0.01	6.63	4.6	1	1.4
	JN19020-051	181	182	0.98	0.03	0.1	0.9	29	10	10	1.53	19.65			1.48	0.03	1.93	2.7	1	1.84
	JN19020-052	182	183	0.88	0.05	0.28	0.6	15	30	10	2.02	7.67			1.2	0.01	10.9	3.5	1	2.03
	JN19020-053	183	184	0.98	0.06	0.28	0.7	25	20	10	1.7	15.25			1.16	0.01	12.4	2.8	1	1.9
	JN19020-054	184	184.75	0.72	0.04	0.41	3.3	58	-10	10	5.04	23.3			1.4	0.03	20.7	5.4	7	1.19
	JN19020-055	184.75	185.59	0.8	0.03	0.22	0.8	18	10	10	2.53	13.3			1.42	0.02	9.07	4.4	1	1.92
	JN19020-056	185.59	186.29	0.56	0.06	0.97	4.2	68	10	70	1.41	2.06			0.84	0.05	38.3	12.3	16	4.05
	JN19020-057	186.29	187	0.65	0.2	0.93	5.9	-5	10	60	0.99	0.9			0.45	0.47	30.1	13.8	11	3.87
	JN19020-058	187	189	1.73	0.07	1.02	5.4	25	10	60	0.98	0.86			0.9	0.1	26.4	12	16	4.51
	JN19020-059	189	190	0.89	0.07	1.05	19	10	10	70	0.86	0.8			0.69	0.07	27.8	10.2	15	6.76
	JN19020-060	190	191	0.92	0.1	0.67	291	138	10	50	0.81	0.57			0.66	0.18	27.3	13.5	9	4.31
	JN19020-061	191	192	0.89	0.61	0.78	57	38	10	70	0.72	1.81			0.46	2.17	23.3	15.1	7	4.1
	JN19020-062	192	193	0.88	0.53	0.71	49.5	8	10	60	0.54	1.45			0.77	0.5	21.9	13	5	2.76
	JN19020-063	193	194	0.82	0.49	0.98	35.9	9	10	60	0.82	1.48			0.44	3.21	26.6	14.3	16	6.01
	JN19020-064	194	195	0.83	0.06	0.98	15.9	31	10	40	0.96	1.33			0.82	0.09	36	13.4	19	3.97

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Recovery (m)	Ag (ppm)	Al (pct)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Br (ppm)	C (pct)	Ca (pct)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)
	JN19020-065	195	196	0.8	0.08	0.94	17.5	14	10	40	0.77	4.43			0.34	0.11	30.5	15.2	20	2.85
	JN19020-066	196	197	0.88	0.29	0.48	88.4	16	10	30	0.35	1.81			0.69	0.36	21.1	8.7	13	1.57
	JN19020-067	197	198	0.9	0.91	0.2	103.5	17	10	10	0.14	27.7			0.45	0.33	19.75	3.4	14	0.79
	JN19020-068	198	199	0.94	0.46	0.36	19.9	12	-10	20	0.25	17.65			0.26	0.08	26.5	6.7	12	1.26
	JN19020-069	199	200	1	0.14	0.23	3.2	16	-10	10	0.15	14.35			0.21	0.03	31.4	2.8	13	0.55
	JN19020-070	200	201	0.71	0.1	0.38	10.1	5	-10	20	0.44	0.6			0.22	0.06	30.1	7	11	1.41
	JN19020-071	201	202	0.99	0.36	0.56	50.2	7	10	30	0.43	3.12			0.71	0.25	18.55	9.9	8	1.87
	JN19020-072	202	203	0.93	0.52	0.41	39.5	26	10	20	0.36	12.9			0.33	0.26	18.95	7.6	11	1.39
	JN19020-073	203	204	1	0.12	0.25	6.6	7	-10	10	0.19	5.21			0.15	0.02	31.3	2	15	0.64
	JN19020-074	204	205	0.95	0.04	0.29	4.1	45	-10	-10	0.16	2.23			0.06	-0.01	32.3	3.1	11	0.49
	JN19020-075	205	206	1	0.02	0.34	0.8	-5	-10	-10	0.25	1.03			0.11	0.01	26.5	3.5	14	0.35
	JN19020-076	206	207	0.84	0.03	0.32	0.5	25	-10	-10	0.27	24.1			0.1	0.01	27.8	3.7	14	0.42
	JN19020-077	207	208	0.87	0.02	0.45	3.2	12	-10	10	0.36	0.42			0.11	0.01	29	5.7	14	0.74
	JN19020-078	208	209	0.72	0.1	0.57	6.9	8	-10	20	0.51	0.79			0.13	0.05	37.8	9.2	16	1.33
	JN19020-079	209	210	1	0.5	0.67	24.2	7	10	50	0.57	1.27			0.27	0.93	22.6	18.4	13	2.27
	JN19020-080	210	211	0.9	0.48	0.76	15.2	-5	10	50	0.56	1.08			0.32	1.1	23.3	12.8	13	2.95
	JN19020-081	211	212	0.85	0.08	0.8	7.1	11	-10	20	0.88	17.4			0.19	0.03	43.1	12.1	20	1.62
	JN19020-082	212	213	0.98	0.26	0.45	4.7	53	-10	10	0.41	26.8			0.24	0.03	41.9	4.9	11	0.93
	JN19020-083	213	214	0.85	0.1	0.44	5.6	-5	-10	10	0.35	5.42			0.3	0.1	27.2	8.7	12	0.86
	JN19020-084	214	215	0.69	0.38	0.55	17.2	-5	10	30	0.41	1.8			0.37	0.28	18.65	13.4	13	1.53
	JN19020-085	215	216.5	1.1	0.02	0.49	4.6	-5	-10	10	0.45	0.09			0.14	0.01	34.2	8.3	15	1.05
	JN19020-086	216.5	218	1.37	0.03	0.97	8.4	-5	-10	50	0.98	0.21			0.33	0.02	40.7	17.5	23	2.52
	JN19020-087	218	219.5	1.37	0.07	0.99	8.6	-5	-10	60	0.9	0.33			0.33	0.1	30.7	13.9	22	2.62
	JN19020-088	219.5	220.5	0.75	0.38	0.87	20.2	-5	10	60	0.59	1.02			0.41	0.4	24.3	14.9	15	3.76
	JN19020-089	220.5	222	1.2	0.06	0.67	6.8	8	-10	20	0.48	0.33			0.55	0.03	32.7	6.5	15	3.23
JN19021	**JN19021-001**	**16**	**17**	**1**	**0.15**	**0.29**	**125.5**	**-5**	**-10**	**10**	**0.17**	**0.41**			**0.11**	**0.17**	**30.4**	**6.7**	**14**	**0.54**
	JN19021-002	17	18	0.85	0.31	0.22	3090	9	-10	10	0.1	0.8			0.07	0.65	21.4	15.2	15	0.84
	JN19021-003	18	19	1	0.9	0.2	10000	90	-10	10	0.09	2.32			0.05	1.57	12.8	49.8	13	0.87
	JN19021-004	19	20	0.98	0.32	0.19	60	12	-10	10	0.08	0.28			0.03	2.45	15.3	0.7	12	0.49
	JN19021-005	20	21	0.85	0.12	0.12	24.8	-5	-10	10	0.06	0.11			0.02	1.03	11.75	0.5	12	0.48
	JN19021-006	21	22	1	0.13	0.26	30.7	-5	-10	10	0.13	0.11			0.03	0.45	22.5	1.5	12	0.82
	JN19021-007	22	23	1	0.13	0.27	22.2	-5	-10	10	0.11	0.14			0.03	0.41	25.4	1.8	12	0.72
	JN19021-008	23	24.5	1.3	0.08	0.35	15.5	-5	-10	10	0.14	0.11			0.04	0.23	29.9	2.7	8	0.83
	JN19021-009	24.5	26	1.26	0.22	0.18	59.5	7	-10	10	0.1	0.24			0.03	0.77	13.65	1.6	10	0.62
	JN19021-010	204	205.5	1.35	0.13	0.83	19.3	7	-10	40	0.62	1.29			0.71	0.12	60.2	16.2	21	1.15
	JN19021-011	205.5	207	1.08	0.12	0.7	22.3	15	-10	20	1.08	14.7			0.89	-0.01	82.1	9.2	36	0.65
	JN19021-012	207	208.5	0.42	0.28	0.58	17.5	28	-10	20	0.39	1.36			0.59	0.25	91	13.7	18	0.32
	JN19021-013	208.5	210	0.39	0.3	0.54	14.4	21	-10	-10	0.35	0.79			0.38	0.14	63.2	12.9	15	0.27
	JN19021-014	210	211.5	0.49	0.28	0.47	20	64	-10	10	0.35	1.56			1.05	0.17	49.9	9.3	15	0.28
	JN19021-015	211.5	213	0.51	0.44	0.47	17.1	20	-10	10	0.41	1.37			1.65	1.06	48.7	12.8	19	0.33
	JN19021-016	213	214.5	0.71	0.33	0.48	207	56	-10	10	0.28	0.66			0.24	0.2	42.8	4.5	6	0.74
	JN19021-017	214.5	216	0.35	0.15	0.42	21.8	89	-10	10	0.25	0.65			0.81	0.07	51.9	4.5	6	0.57
	JN19021-018	216	217	0.7	0.25	0.32	102.5	67	-10	10	0.17	0.68			0.09	0.53	40.1	1.5	7	0.62
	JN19021-019	217	218.5	0.19	0.3	0.29	19.4	113	-10	-10	0.19	9.37			0.1	0.13	42.2	5.3	10	0.67
	JN19021-020	218.5	220	0.47	0.81	0.31	64.1	593	-10	10	0.14	30.8			0.07	0.13	32	14.5	8	0.92
	JN19021-021	220	221.5	0.62	0.57	0.31	37.9	186	-10	10	0.11	3.95			0.08	0.14	38	7.3	9	0.52
	JN19021-022	221.5	223	0.82	0.52	0.31	111.5	494	-10	10	0.13	5.68			0.17	0.15	30.5	11.9	10	0.39
	JN19021-023	223	224.5	0.77	0.21	0.61	46.1	269	-10	-10	0.23	0.66			0.3	0.09	51.4	10.1	14	0.22
	JN19021-024	224.5	226	0.48	0.28	0.61	19.3	97	-10	-10	0.41	0.53			0.51	0.17	48.9	11.3	12	0.29
	JN19021-025	226	227.5	0.57	0.19	0.51	11	10	-10	-10	0.35	0.33			13.85	0.13	42.4	8.3	9	0.26
	JN19021-026	227.5	230	0.41	0.09	0.4	5.1	6	-10	-10	0.31	0.13			25	0.03	32.4	6.1	6	0.52
	JN19021-027	230	231.5	0.28	0.08	0.49	5.2	-5	-10	-10	0.44	0.18			25	0.02	55.4	8	7	1.01
	JN19021-028	231.5	233	0.21	0.02	0.1	1.3	-5	-10	10	0.06	0.01			25	0.01	6.07	1.4	2	0.05
	JN19021-029	233	234.5	0.31	0.06	0.22	5	-5	-10	10	0.18	0.06			25	0.03	15.3	3.2	4	0.59
	JN19021-030	234.5	236	0.45	0.13	0.56	7.7	-5	-10	10	0.58	0.22			20.4	0.12	51.5	11	10	1.85
	JN19021-031	236	237.5	1.12	0.09	0.32	10	31	-10	-10	0.25	0.15			25	0.08	25.5	6.1	5	1.15
	JN19021-032	237.5	239	0.85	0.08	1.45	5.3	6	-10	10	1.01	7.88			9.99	-0.01	63.3	5.6	32	2.61
	JN19021-033	239	240.16	0.61	0.19	1.92	11.5	100	-10	10	0.92	77			7.13	-0.01	106	8.4	38	0.94
	JN19021-034	240.16	242	0.58	0.34	1	35.9	9	-10	20	0.85	8.61			4.45	0.09	101	23.4	22	2.05
	JN19021-035	242	243.5	0.55	0.15	2.21	4.6	5	-10	10	0.7	4.84			7.14	-0.01	74.8	3.2	39	1.46
	JN19021-036	243.5	246	0.69	0.06	2.44	2.8	13	-10	10	0.75	5.74			8.93	-0.01	76.5	2.4	36	0.73
	JN19021-037	246	247	0.62	0.76	0.27	120	7	-10	10	8.01	56			0.92	-0.01	14.75	42.7	6	0.36
	JN19021-038	247	248	0.41	1.58	0.36	84.9	5	-10	10	11.95	39.5			0.75	-0.01	12.35	51.8	5	0.47
	JN19021-039	248	249	0.92	1.44	0.68	22.2	5	-10	10	13.75	37.5			2.67	-0.01	25.2	51.5	7	4.37

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Recovery (m)	Ag (ppm)	Al (pct)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Br (ppm)	C (pct)	Ca (pct)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)
	JN19021-040	249	249.58	0.58	1.3	0.51	18.1	16	-10	10	3.65	113.5			4.54	-0.01	7.46	58.9	7	5.78
	JN19021-041	249.58	250.5	0.83	2.8	0.38	6.4	51	10	-10	1.95	513			3.35	-0.01	14.1	55.4	5	2.32
	JN19021-042	250.5	251.15	0.65	2.91	0.19	39.4	251	10	-10	2.37	486			1.11	0.17	7.69	38.9	20	1.31
	JN19021-043	251.15	252.45	1.29	5.23	0.61	4.3	657	-10	-10	4.19	817			1.66	0.88	18.05	56.5	11	3.13
	JN19021-044	252.45	253	0.55	1.64	0.62	13.2	620	-10	10	3.62	369			0.76	0.08	21.9	71.8	15	7.03
	JN19021-045	253	253.84	0.67	4.89	0.76	25.9	3500	-10	10	2.77	1505			0.86	0.95	29.8	23.2	19	14.15
	JN19021-046	253.84	255	0.79	0.07	2.15	7	58	-10	60	1.36	7.17			0.93	0.02	47.5	10.1	45	13.4
	JN19021-047	255	256	0.95	0.02	2.5	7.3	26	-10	150	1.36	2.01			1.55	-0.01	39.5	12.7	55	17.2
	JN19021-048	256	257	0.94	0.03	1.99	5.2	-5	-10	80	1.23	1.67			0.72	0.01	46	7.9	24	13.75
	JN19021-049	257	258	0.52	0.02	2.26	11.2	-5	-10	100	1.31	0.44			0.52	0.01	39.1	15.2	39	17.2
	JN19021-050	258	259	0.82	0.03	2.35	9.5	-5	-10	100	1.37	1.7			0.79	-0.01	40.4	11.1	40	16.3
	JN19021-051	259	260	0.53	0.04	2.05	7.6	-5	-10	90	1.12	4.24			0.65	0.01	32	9.8	43	16.4
	JN19021-052	260	261	0.98	0.01	2.32	4.3	-5	-10	70	1.29	0.1			1.83	0.01	35.9	8.9	48	12
	JN19021-053	261	262.5	1.42	0.03	1.15	2.2	19	-10	20	0.5	3.79			1.34	0.02	23.1	3.3	23	4.48
	JN19021-054	262.5	264	1.39	0.06	1.21	5.9	8	-10	30	0.7	2.29			1.07	0.02	25.4	9.1	22	5.51
	JN19021-055	264	265.5	1.44	0.03	1.02	1.5	-5	-10	30	0.32	0.43			0.77	0.02	29.6	4.4	32	4.5
	JN19021-056	265.5	267	1.46	0.07	1.42	3	-5	-10	60	0.6	0.42			1.05	0.01	24.6	10.9	34	7.15
	JN19021-057	267	268.5	1.38	0.1	1.23	9.2	-5	10	80	0.9	1.93			0.23	0.01	35.2	15.1	24	6.94
	JN19021-058	268.5	270	1.31	0.3	0.68	6.7	22	-10	40	0.79	40.9			0.43	0.06	28.8	7.9	18	1.91
	JN19021-059	270	271.5	1.45	0.04	0.97	3.1	-5	-10	40	0.53	1.34			0.72	0.01	27.6	8.3	28	4.4
	JN19021-060	271.5	273	1.49	0.04	1.44	9.4	-5	10	80	0.58	0.15			0.98	0.01	30.3	10.1	32	9.1
	JN19021-061	273	274.5	1.48	0.01	1.68	13.2	-5	10	100	0.93	0.1			0.93	-0.01	35.5	13.1	37	16.05
	JN19021-062	274.5	276	1.38	0.02	1.84	5.1	-5	10	90	1.21	0.3			1.32	0.02	30.2	16	35	12.15
	JN19021-063	276	277.5	1.44	0.01	1.83	6.5	-5	-10	70	0.99	0.11			0.99	0.01	37.7	10.4	39	10.8
	JN19021-064	277.5	279	1.46	0.01	1.41	4.4	-5	-10	50	0.57	0.1			0.8	0.01	37.8	5.9	34	7.05
	JN19021-065	279	280.5	1.45	0.02	0.91	2.3	-5	-10	20	0.35	0.04			0.7	0.03	36.6	3.9	28	4.12
	JN19021-066	280.5	282	1.45	0.02	0.61	0.7	-5	-10	10	0.25	0.08			0.63	0.01	27.6	1.8	27	3.24
	JN19021-067	282	283.5	1.48	0.04	1.42	7.4	-5	-10	70	0.77	0.16			0.75	0.03	33.2	11.8	29	4.5
	JN19021-068	283.5	285	1.42	0.02	1.11	3.9	-5	-10	40	0.54	0.08			0.59	0.02	33	7.8	30	4.97
	JN19021-069	285	286.5	1.48	0.02	0.6	0.7	-5	-10	10	0.25	0.04			0.74	0.04	29.1	1.9	22	2.44
	JN19021-070	286.5	288	1.47	0.02	0.48	0.4	-5	-10	10	0.12	0.06			0.47	0.04	24.4	1.9	28	2.29
	JN19021-071	288	289.5	1.48	0.02	1.14	3.9	-5	-10	40	0.54	0.1			0.57	0.02	32.8	8.7	34	5.14
	JN19021-072	289.5	291	1.45	0.02	1.66	7.1	-5	10	70	0.94	0.17			0.45	0.02	26.3	12	31	8.01
	JN19021-073	291	292	0.98	0.03	2.12	1.9	-5	-10	110	0.79	0.11			0.62	0.01	30	12.3	42	8.22
JN19022	**JN19022-001**	**0**	**1.52**	**0.1**	**0.08**	**1.45**	**58.4**	**19**	**-10**	**50**	**0.33**	**0.32**			**0.21**	**0.07**	**44.6**	**12.3**	**27**	**0.85**
	JN19022-002	1.52	3.05	1.51	0.05	1.34	32.5	-5	-10	30	0.33	0.27			0.13	0.09	50.6	13	25	0.49
	JN19022-003	3.05	4.57	1.52	0.08	0.44	33.6	6	-10	20	0.19	0.15			0.05	0.05	35.6	6.2	13	0.47
	JN19022-004	4.57	6.1	1.52	0.06	0.27	11.9	-5	-10	20	0.24	0.19			0.05	0.03	35	4.5	12	0.66
	JN19022-005	6.1	7.62	1.51	0.05	0.41	25.7	-5	-10	30	0.48	0.26			0.14	0.02	83.7	10.2	14	1.47
	JN19022-006	7.62	9.14	1.51	0.09	0.29	70.7	-5	-10	20	0.21	0.15			0.07	0.04	38.7	4.3	9	1.08
	JN19022-007	9.14	10.67	1.52	0.21	0.19	146.5	-5	-10	10	0.22	0.35			0.04	0.04	24	8.2	10	0.58
	JN19022-008	10.67	12.19	1.51	0.12	0.25	209	36	-10	20	0.34	0.84			0.07	0.03	32	6.6	11	0.74
	JN19022-009	12.19	13.72	1.52	0.07	0.19	77.4	11	-10	10	0.24	0.25			0.08	0.02	25.5	3.5	9	0.54
	JN19022-010	13.72	15.24	1.51	0.03	0.2	41.4	11	-10	10	0.18	0.09			0.09	0.03	25.1	4	8	0.69
	JN19022-011	15.24	16.76	1.51	0.05	0.19	17	-5	-10	10	0.11	0.13			0.06	0.01	26.4	2.8	9	0.61
	JN19022-012	16.76	18.29	1.52	0.04	0.16	13.1	-5	-10	10	0.1	0.14			0.04	0.01	26.3	4	8	0.43
	JN19022-013	18.29	19.81	1.51	0.06	0.25	77.2	-5	-10	10	0.15	0.12			0.08	0.01	26.5	5.8	11	0.67
	JN19022-014	19.81	21.34	1.52	0.18	0.16	34.5	321	-10	10	0.1	0.72			0.06	0.03	23.5	4.1	9	0.41
	JN19022-015	21.34	22.86	1.51	0.02	0.17	32.4	-5	-10	10	0.12	0.08			0.06	0.01	26.5	3.6	9	0.48
	JN19022-016	22.86	24.38	1.51	0.2	0.16	5740	625	-10	10	0.1	6.22			0.05	0.02	21.9	16.1	9	0.62
	JN19022-017	24.38	25.91	1.52	0.05	0.18	1145	381	-10	20	0.12	1.32			0.06	0.02	28	9.9	9	0.76
	JN19022-018	25.91	27.43	1.51	0.05	0.24	1435	102	-10	30	0.2	0.63			0.2	0.01	38.2	14.1	8	1.17
	JN19022-019	27.43	28.96	1.52	0.02	0.16	286	13	-10	10	0.08	0.16			0.06	0.02	24.3	3.3	9	0.63
	JN19022-020	28.96	30.48		0.08	0.14	1155	33	-10	10	0.08	0.45			0.04	0.01	24.1	3.5	8	0.44
JN19023	**JN19023-001**	**0**	**1.52**	**1.51**	**0.03**	**1.35**	**35.3**	**-5**	**-10**	**50**	**0.31**	**0.22**			**0.54**	**0.08**	**39.2**	**10.6**	**26**	**0.45**
	JN19023-002	1.52	3.04	1.52	0.07	1.03	31.7	-5	-10	30	0.29	0.3			0.1	0.08	47.8	11.6	20	0.52
	JN19023-003	3.04	4.57	1.53	0.06	0.23	27.7	-5	-10	20	0.21	0.25			0.05	0.01	41.8	8.4	9	0.69
	JN19023-004	4.57	6.1	1.52	0.03	0.2	19.3	-5	-10	20	0.17	0.45			0.04	0.01	43	7.1	8	0.79
	JN19023-005	6.1	7.62	1.51	0.03	0.2	11.9	-5	-10	10	0.15	0.18			0.02	0.01	35	4.2	10	0.7
	JN19023-006	7.62	9.14	1.51	0.02	0.15	25.9	-5	-10	10	0.23	0.26			0.05	0.03	34	3.6	9	0.5
	JN19023-007	9.14	10.67	1.52	0.06	0.18	39.7	-5	-10	10	0.12	0.2			0.05	0.02	26.7	2.5	7	0.71
	JN19023-008	10.67	12.19	1.51	0.01	0.19	13.2	-5	-10	10	0.19	0.12			0.09	0.02	38	2.3	11	0.64
	JN19023-009	12.19	13.72	1.52	0.02	0.21	470	7	-10	10	0.24	0.48			0.09	0.03	43.5	11.9	9	0.7

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Recovery (m)	Ag (ppm)	Al (pct)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Br (ppm)	C (pct)	Ca (pct)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)
	JN19023-010	13.72	15.24	1.51	0.05	0.18	324	-5	-10	10	0.19	0.23			0.09	0.01	37.6	3.3	7	0.67
	JN19023-011	15.24	16.76	1.51	0.01	0.17	302	-5	-10	10	0.16	0.06			0.07	0.01	36.3	4.6	7	0.63
	JN19023-012	16.76	18.29	1.52	0.21	0.18	9890	105	-10	20	0.2	1.44			0.11	0.05	28	40.4	6	0.96
	JN19023-013	18.29	19.81	1.51	0.09	0.18	60.8	9	-10	10	0.21	0.39			0.1	0.02	25.6	3.6	9	0.62
	JN19023-014	19.81	21.34	1.52	0.18	0.24	76.7	26	-10	20	0.24	0.47			0.2	0.06	25.6	4.1	8	1.22
	JN19023-015	21.34	22.86	1.51	0.03	0.23	37.8	-5	-10	20	0.2	0.17			0.12	0.02	36.5	3.5	8	0.92
	JN19023-016	22.86	24.38	1.51	0.01	0.18	336	-5	-10	20	0.17	0.1			0.08	0.02	33.9	5.3	9	0.88
	JN19023-017	24.38	25.91	1.53	0.02	0.2	54.8	-5	-10	10	0.24	0.14			0.08	0.03	44.5	3.8	10	1.51
	JN19023-018	25.91	27.43	0.25	0.03	0.18	50.7	-5	-10	10	0.15	0.51			0.11	0.02	29.9	2.2	10	0.79
	JN19023-019	27.43	28.96	0.7	0.08	0.21	86.6	5	-10	10	0.2	0.23			0.1	0.02	36.4	3.1	10	0.97
	JN19023-020	28.96	30.48	0.5	0.04	0.23	78.2	-5	-10	20	0.23	0.24			0.12	0.02	39.9	3.2	10	1.01
JN19024	**JN19024-001**	**0**	**1.52**	**0.3**	**0.02**	**0.5**	**35.7**	**-5**	**-10**	**20**	**0.12**	**0.11**			**3.68**	**0.03**	**24.9**	**5.7**	**15**	**0.37**
	JN19024-002	1.52	3.05	0.6	0.04	1.27	37	-5	-10	30	0.22	0.23			0.34	0.08	37.6	9.3	24	0.44
	JN19024-003	3.05	4.57	0.5	0.05	0.78	33.2	5	-10	20	0.21	0.18			0.1	0.11	37.6	8.2	18	0.37
	JN19024-004	4.57	6.1	1.52	0.08	0.37	25.8	6	-10	20	0.19	0.21			0.07	0.07	32.8	5.8	14	0.5
	JN19024-005	6.1	7.62	1.51	0.09	0.23	61.7	15	-10	10	0.13	0.1			0.04	0.02	31.5	3.7	12	0.49
	JN19024-006	7.62	9.14	1.51	0.08	0.25	109.5	9	-10	10	0.13	0.22			0.05	0.04	32.2	4.1	14	0.69
	JN19024-007	9.14	10.67	1.52	0.06	0.2	46.2	6	-10	10	0.1	0.08			0.03	0.02	27.8	3	9	0.56
	JN19024-008	10.67	12.19	1.51	0.04	0.27	45.8	-5	-10	20	0.19	0.08			0.05	0.03	35.6	3.2	10	0.68
	JN19024-009	12.19	13.72	1.52	0.13	0.21	966	64	-10	10	0.21	0.69			0.07	0.03	27	7.9	9	0.68
	JN19024-010	13.72	15.24	1.51	0.26	0.27	93.5	5	-10	10	0.42	0.47			0.21	0.02	29.2	8.8	13	0.8
	JN19024-011	15.24	16.76	1.51	0.22	0.48	32.4	-5	-10	30	0.68	0.67			0.37	0.25	43.9	17	32	1.27
	JN19024-012	16.76	18.29	1.52	0.08	0.36	43.4	-5	-10	30	0.43	0.17			0.21	0.01	34.9	17.9	24	1.14
	JN19024-013	18.29	19.81	1.51	0.24	0.34	52.2	6	-10	20	0.35	0.43			0.19	0.06	32.4	12.3	15	1.28
	JN19024-014	19.81	21.34	1.52	0.11	0.24	18.6	5	-10	10	0.18	0.22			0.1	0.03	29.8	4.5	11	0.62
	JN19024-015	21.34	22.86	1.51	0.06	0.17	208	8	-10	10	0.12	0.12			0.06	0.01	20.5	3.5	9	0.51
	JN19024-016	22.86	24.38	1.51	0.04	0.17	48.6	7	-10	10	0.13	0.09			0.06	0.02	21.3	3.2	8	0.34
	JN19024-017	24.38	25.91	1.52	0.05	0.21	50.3	7	-10	10	0.12	0.11			0.06	0.01	23.4	3.2	9	0.56
	JN19024-018	25.91	27.43	1.51	0.05	0.19	319	10	-10	10	0.16	0.1			0.06	0.01	24.6	3.7	8	0.56
	JN19024-019	27.43	28.96	1.52	0.07	0.26	122	9	-10	20	0.25	0.13			0.24	0.02	26.2	6.3	7	0.86
	JN19024-020	28.96	30.48	1.51	0.05	0.27	661	64	-10	20	0.38	0.1			0.19	0.02	25.1	6.3	10	0.72
JN19025	**JN19025-001**	**0**	**1.52**	**0.38**	**0.04**	**1.32**	**49.8**	**-5**	**-10**	**30**	**0.3**	**0.26**			**0.25**	**0.09**	**45.7**	**13.4**	**25**	**0.54**
	JN19025-002	1.52	3.05	1.52	0.09	0.45	30.8	8	-10	30	0.26	0.33			0.08	0.04	52.7	9	14	0.76
	JN19025-003	3.05	4.57	1.3	0.04	0.34	22.5	-5	-10	30	0.33	0.46			0.09	0.02	68.3	8.9	13	1.11
	JN19025-004	4.57	6.1	1.49	0.03	0.3	16.9	-5	-10	40	0.22	0.43			0.03	0.01	54.4	6.4	10	1.11
	JN19025-005	6.1	7.62	1.51	0.08	0.37	18	-5	-10	50	0.33	0.35			0.05	0.02	54.8	6.5	11	1.38
	JN19025-006	7.62	9.14	1.51	0.15	0.22	27.4	-5	-10	30	0.21	0.21			0.08	0.19	27.3	5.5	10	0.83
	JN19025-007	9.14	10.67	0.54	0.07	0.3	23.2	-5	-10	20	0.28	0.5			0.13	0.03	47.7	7.4	8	0.94
	JN19025-008	10.67	12.19	0.54	0.03	0.19	12.5	-5	-10	10	0.13	0.1			0.06	0.02	29	2.4	8	0.89
	JN19025-009	12.19	13.71	0.61	0.02	0.21	10.3	-5	-10	10	0.2	0.2			0.1	0.01	30.6	2.7	8	0.95
	JN19025-010	13.71	15.24	0.61	0.04	0.19	28.6	10	-10	10	0.17	0.08			0.07	0.01	26.7	1.6	6	0.85
	JN19025-011	15.24	16.76	0.61	0.04	0.22	24.8	-5	-10	20	0.22	0.22			0.12	0.01	24.2	4.8	8	0.9
	JN19025-012	16.76	18.29	1.2	0.02	0.19	18	-5	-10	10	0.21	0.22			0.12	0.01	26.5	4.1	8	0.69
	JN19025-013	18.29	19.81	1.2	0.02	0.19	28	-5	-10	20	0.19	0.15			0.12	0.01	26.6	3.3	8	0.67
	JN19025-014	19.81	21.34	0.61	0.02	0.18	45.2	13	-10	10	0.21	0.27			0.11	0.01	27.6	3.5	8	0.73
	JN19025-015	21.34	22.86	0.61	0.03	0.2	65.9	27	-10	20	0.22	0.57			0.12	0.02	31	3.3	9	0.9
	JN19025-016	22.86	24.38	0.35	0.04	0.19	343	56	-10	20	0.19	0.39			0.1	0.02	28	4.8	9	0.71
	JN19025-017	24.38	25.91	0.51	0.04	0.17	410	33	-10	20	0.19	0.43			0.13	0.03	28	6.9	8	0.7
	JN19025-018	25.91	27.43	0.41	0.04	0.25	235	69	-10	30	0.29	0.56			0.22	0.03	35.4	10	10	1.1
	JN19025-019	27.43	28.96	0.38	0.06	0.3	213	44	-10	30	0.32	0.68			0.36	0.02	32.8	12.6	13	1.11
	JN19025-020	28.96	30.48	0.15	0.09	0.4	75.9	23	-10	30	0.34	0.56			1.04	0.02	35.7	13.5	17	1.14
JN19026	**JN19026-001**	**0**	**1.52**	**0.23**	**0.04**	**1.34**	**81.2**	**7**	**-10**	**40**	**0.3**	**0.33**			**0.19**	**0.08**	**38.5**	**11.7**	**23**	**0.69**
	JN19026-002	1.52	3.05	1.52	0.05	1.19	31.8	5	-10	20	0.3	0.27			0.12	0.07	43.4	12.1	25	0.47
	JN19026-003	3.05	4.57	1.51	0.08	0.45	25.6	-5	-10	20	0.43	0.38			0.1	0.05	51.1	10.4	13	0.78
	JN19026-004	4.57	6.1	1.52	0.05	0.27	24.5	-5	-10	20	0.37	0.24			0.09	0.03	58.2	8.9	10	0.99
	JN19026-005	6.1	7.62	1.51	0.04	0.26	16.7	-5	-10	20	0.21	0.38			0.06	0.01	60.8	7.8	9	0.94
	JN19026-006	7.62	9.14	1.51	0.03	0.31	14	-5	-10	20	0.27	0.22			0.08	0.01	42.5	8	9	0.89
	JN19026-007	9.14	10.69	1.54	0.03	0.19	13.4	-5	-10	20	0.21	0.1			0.04	0.01	23.7	5.9	9	0.64
	JN19026-008	10.69	12.19	1.49	0.02	0.22	18.4	-5	-10	10	0.28	0.07			0.1	0.01	23.3	4.9	7	0.86
	JN19026-009	12.19	13.72	1.52	0.01	0.18	7.8	-5	-10	10	0.17	0.07			0.1	0.01	25.8	3.4	10	0.53
	JN19026-010	13.72	15.24	1.51	0.01	0.15	14.2	5	-10	10	0.12	0.04			0.08	-0.01	21.9	2.7	10	0.43
	JN19026-011	15.24	16.76	1.51	0.02	0.14	12.7	-5	-10	10	0.11	0.06			0.08	0.01	24.2	2.5	9	0.45

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Recovery (m)	Ag (ppm)	Al (pct)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Br (ppm)	C (pct)	Ca (pct)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)
	JN19026-012	16.76	18.29	1.52	0.02	0.14	4.8	-5	-10	10	0.11	0.11			0.09	0.01	29.4	3.5	9	0.42
	JN19026-013	18.29	19.81	1.51	0.02	0.19	109.5	-5	-10	20	0.14	0.24			0.12	0.01	32.9	3.9	8	0.77
	JN19026-014	19.81	21.34	1.52	0.09	0.12	4350	890	-10	10	0.11	0.24			0.08	0.01	20.5	3.7	6	0.44
	JN19026-015	21.34	22.86	1.51	0.02	0.12	1095	90	-10	10	0.11	0.17			0.07	0.02	19.15	3.2	8	0.43
	JN19026-016	22.86	24.38	1.51	0.03	0.14	877	70	-10	10	0.09	0.45			0.07	0.02	19.85	5.7	7	0.49
	JN19026-017	24.38	25.91	1.52	0.06	0.22	217	42	-10	20	0.21	0.31			0.14	0.01	32.4	10.3	9	0.9
	JN19026-018	25.91	27.43	1.51	0.02	0.17	210	18	-10	20	0.14	0.13			0.1	0.01	24.7	4.2	10	0.51
	JN19026-019	27.43	28.96	1.52	0.03	0.13	482	36	-10	20	0.09	0.11			0.07	0.01	18.1	2.9	8	0.36
	JN19026-020	28.96	30.48	1.51	0.02	0.12	235	15	-10	10	0.09	0.09			0.14	0.02	21.1	2.7	8	0.38
JN19027	**JN19027-001**	**0**	**1.52**	**1.2**	**0.05**	**1.04**	**56.3**	**5**	**-10**	**30**	**0.22**	**0.23**			**2.24**	**0.07**	**35.8**	**11.3**	**22**	**0.47**
	JN19027-002	1.52	3.05	1.52	0.08	0.5	49.6	14	-10	20	0.21	0.25			0.11	0.06	41.2	7.7	16	0.51
	JN19027-003	3.05	4.57	1.51	0.13	0.27	53.2	9	-10	20	0.3	0.5			0.05	0.03	41.3	9.9	8	1.14
	JN19027-004	4.57	6.1	1.52	0.03	0.15	16.8	-5	-10	10	0.16	0.15			0.03	0.02	28.9	4.3	8	0.53
	JN19027-005	6.1	7.62	1.51	0.07	0.17	21.6	-5	-10	10	0.15	0.07			0.04	0.06	29.8	4.1	8	0.57
	JN19027-006	7.62	9.14	1.51	0.11	0.21	26.3	-5	-10	20	0.28	0.53			0.19	0.05	32.3	5.2	8	1.13
	JN19027-007	9.14	10.67	1.52	0.05	0.23	20.3	-5	-10	20	0.24	0.15			0.34	0.01	35.9	4	8	1.08
	JN19027-008	10.67	12.19	1.51	0.05	0.16	15.8	-5	-10	10	0.12	0.12			0.43	0.03	24.5	2.6	7	0.5
	JN19027-009	12.19	13.72	0.61	0.03	0.14	200	-5	-10	10	0.11	0.07			0.07	0.01	20.5	1.9	6	0.47
	JN19027-010	13.72	15.24	0.61	0.3	0.14	2560	52	-10	10	0.15	3.18			0.05	0.02	23.1	56.7	7	0.63
	JN19027-011	15.24	16.76	0.8	0.12	0.18	889	17	-10	10	0.16	0.97			0.09	0.01	26	19.9	9	0.75
	JN19027-012	16.76	18.29	1.21	0.04	0.18	288	54	-10	10	0.18	0.27			0.11	0.02	27.3	5.8	9	0.57
	JN19027-013	18.29	19.81	1.2	0.06	0.2	242	50	-10	20	0.21	0.35			0.14	0.01	28.6	8.2	9	0.6
	JN19027-014	19.81	21.34	1.2	0.08	0.25	98.5	19	-10	20	0.25	0.38			0.12	0.03	37.2	10.2	9	0.89
	JN19027-015	21.34	22.86	1.51	0.1	0.26	124	14	-10	30	0.38	0.34			0.18	0.02	37	11.9	10	1.15
	JN19027-016	22.86	24.38	1.2	0.08	0.24	188.5	20	-10	20	0.32	0.26			0.16	0.02	29.5	8.8	9	1.04
	JN19027-017	24.38	25.91	1.2	0.03	0.18	463	15	-10	20	0.16	0.23			0.07	0.01	23.7	3.8	10	0.62
	JN19027-018	25.91	27.43	1.2	0.03	0.16	92.5	7	-10	10	0.13	0.11			0.08	0.01	22.9	3.7	10	0.48
	JN19027-019	27.43	28.96	0.76	0.04	0.17	190.5	9	-10	10	0.12	0.23			0.07	0.01	20.7	5.3	11	0.52
JN19028	**JN19028-001**	**0**	**1.52**	**1.1**	**0.08**	**1.08**	**372**	**16**	**-10**	**20**	**0.27**	**0.58**			**0.13**	**0.05**	**38.2**	**16**	**21**	**0.58**
	JN19028-002	1.52	3.05	1.1	0.06	1.43	67.2	10	-10	30	0.3	0.33			0.49	0.13	48.7	12.1	25	0.57
	JN19028-003	3.05	4.57	1.4	0.05	0.44	184.5	27	-10	10	0.17	0.25			0.1	0.06	30.5	6.9	15	0.46
	JN19028-004	4.57	6.1	1.4	0.02	0.18	154.5	14	-10	10	0.11	0.13			0.06	0.02	20.5	2.7	9	0.52
	JN19028-005	6.1	7.62	0.82	0.02	0.15	69.6	7	-10	10	0.1	0.08			0.03	0.02	17.2	1.9	7	0.57
	JN19028-006	7.62	9.14	0.83	0.02	0.11	62.2	-5	-10	10	0.08	0.11			0.03	0.02	18.35	1.9	7	0.43
	JN19028-007	9.14	10.67	1.1	0.04	0.16	131.5	11	-10	10	0.13	0.24			0.05	0.03	27.2	3.9	6	0.67
	JN19028-008	10.67	12.19	0.45	0.03	0.16	130.5	7	-10	10	0.11	0.14			0.06	0.02	23.1	2.8	8	0.72
	JN19028-009	12.19	13.72	0.45	0.04	0.17	107	23	-10	10	0.11	0.18			0.06	0.02	20.6	2.1	8	0.73
	JN19028-010	13.72	15.24	0.52	0.03	0.1	1320	74	-10	10	0.06	0.29			0.02	0.01	12.05	2.3	5	0.39
	JN19028-011	15.24	16.76	0.62	0.06	0.1	991	103	-10	10	0.09	0.37			0.03	0.02	13.75	3.4	6	0.46
	JN19028-012	16.76	18.29	0.77	0.1	0.15	402	87	-10	10	0.16	0.32			0.1	0.02	15.7	3.6	7	0.59
	JN19028-013	18.29	19.81	0.61	0.09	0.16	668	367	-10	20	0.17	0.26			0.09	0.02	17.35	6.3	7	0.58
	JN19028-014	19.81	21.34	0.38	0.07	0.19	393	151	-10	20	0.21	0.31			0.11	0.03	22.3	9.3	9	0.78
	JN19028-015	21.34	22.86	0.38	0.12	0.26	452	172	-10	20	0.23	0.41			0.17	0.03	23.8	8.7	10	0.85
	JN19028-016	22.86	24.38	0.38	0.12	0.6	470	202	-10	20	0.24	0.43			0.55	0.02	21.2	10.6	16	0.86
	JN19028-017	24.38	25.91	0.54	0.09	0.53	604	174	-10	20	0.23	0.95			0.69	0.02	24.1	8.2	13	1.09
	JN19028-018	25.91	27.43	0.54	0.03	0.27	184.5	54	-10	10	0.14	0.25			0.53	0.01	21.1	4	8	0.83
	JN19028-019	27.43	28.96	0.55	0.05	0.31	301	52	-10	20	0.15	0.24			0.87	0.01	20.4	5.8	10	0.9
	JN19028-020	28.96	30.48	0.58	0.07	0.49	210	31	-10	20	0.14	0.14			1.16	0.01	21.7	5.7	12	0.99
JN19029	**JN19029-001**	**0**	**1.52**	**1.1**	**0.05**	**1.46**	**56.7**	**-5**	**-10**	**30**	**0.31**	**0.31**			**0.37**	**0.1**	**44.6**	**12.4**	**26**	**0.52**
	JN19029-002	1.52	3.05	1.52	0.03	0.35	351	14	-10	10	0.14	0.12			0.08	0.04	26.5	5.2	12	0.55
	JN19029-003	3.05	4.57	1.51	0.02	0.17	306	9	-10	20	0.12	0.17			0.09	0.02	33.8	4.4	8	0.65
	JN19029-004	4.57	6.1	1.52	0.03	0.13	21.4	7	-10	10	0.1	0.29			0.09	0.02	21.2	2.1	8	0.5
	JN19029-005	6.1	7.62	1.51	0.08	0.15	52.7	27	-10	10	0.14	0.58			0.29	0.02	20.9	3.4	6	0.66
	JN19029-006	7.62	9.14	1.1	0.02	0.33	37.2	7	-10	30	0.34	0.19			0.49	0.01	54.2	7.6	8	1.59
	JN19029-007	9.14	10.67	1.52	0.03	0.21	26.1	8	-10	20	0.18	0.24			0.19	0.01	29.9	4.3	8	0.97
	JN19029-008	10.67	12.19	1.51	0.06	0.39	32.2	39	-10	30	0.3	0.51			0.39	0.02	43.7	10.8	10	1.24
	JN19029-009	12.19	13.72	1.52	0.06	0.19	373	863	-10	10	0.12	0.83			0.22	0.02	24	4	9	0.66
	JN19029-010	13.72	15.24	1.51	0.07	0.58	48.8	106	-10	30	0.37	0.74			0.26	0.02	30.6	17.8	17	1.32
	JN19029-011	15.24	16.76	1.51	0.1	0.87	44.9	40	-10	40	0.51	1.13			0.77	0.04	38.2	17.6	19	1.83
	JN19029-012	16.76	18.29	1.52	0.14	0.85	24.4	63	-10	30	0.36	0.34			1.35	0.12	19.1	12.8	16	1.1
	JN19029-013	18.29	19.81	1.51	0.08	1.39	21.1	9	-10	30	0.33	0.16			0.68	0.03	29.5	10.4	21	1.24
	JN19029-014	19.81	21.34	1.52	0.08	1.13	52.5	56	-10	30	0.39	0.47			0.84	0.05	31.8	15.8	20	1.22

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Recovery (m)	Ag (ppm)	Al (pct)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Br (ppm)	C (pct)	Ca (pct)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)
	JN19029-015	21.34	22.81	1.46	0.1	1.25	22.3	5	-10	50	0.44	0.27			0.77	0.08	42.8	12.6	21	1.78
	JN19029-016	22.81	24.38	1.56	0.08	1.21	36.7	8	-10	60	0.48	0.3			0.77	0.05	42.8	13.9	20	2.16
	JN19029-017	24.38	25.91	1.52	0.07	1.87	27.3	8	-10	40	0.49	0.42			0.25	0.03	49.3	13.4	25	2.97
	JN19029-018	25.91	27.43	1.51	0.15	2.01	50.9	23	-10	40	0.44	0.48			0.26	0.07	33.7	20.8	26	1.67
	JN19029-019	27.43	28.96	1.52	0.12	2.23	39.7	13	-10	40	0.51	0.45			0.35	0.08	34.8	14.6	28	1.32
	JN19029-020	28.96	30.46	1.49	0.13	2	31.5	11	-10	40	0.38	0.42			0.23	0.08	23.6	18.8	27	1.23
	JN19029-021	30.46	32	0.31	0.12	2.18	26.8	12	-10	40	0.47	0.42			0.34	0.05	30.2	14.7	29	1.33
JN19030	**JN19030-001**	**0**	**1.52**	**1.51**	**0.02**	**0.44**	**10.5**	**-5**	**-10**	**10**	**0.1**	**0.11**			**0.46**	**0.02**	**28.3**	**3.4**	**16**	**0.49**
	JN19030-002	1.52	3.05	1.52	0.01	0.46	4.6	-5	-10	10	0.08	0.08			0.54	0.01	28.6	2.9	17	0.47
	JN19030-003	3.05	4.57	1.51	0.01	0.54	303	-5	-10	10	0.09	0.07			0.67	0.01	31.4	2.3	16	0.68
	JN19030-004	4.57	6.1	1.52	0.1	0.79	1040	154	-10	20	0.26	0.64			0.52	0.01	33.7	10.9	17	0.91
	JN19030-005	6.1	7.62	1.51	0.17	1.87	86.6	42	-10	40	0.47	0.34			0.26	0.14	37.7	17.4	28	1.21
	JN19030-006	7.62	9.14	1.2	0.1	1.69	56.9	16	-10	40	0.43	0.25			0.98	0.17	26.4	15.6	24	1.14
	JN19030-007	9.14	10.67	1.52	0.06	1.64	13.9	-5	-10	70	0.49	0.22			0.82	0.05	62.5	12.5	26	1.36
	JN19030-008	10.67	12.19	1.51	0.06	1.78	18.6	5	-10	60	0.43	0.32			0.71	0.06	47.6	14.8	26	1.23
	JN19030-009	12.19	13.72	1.52	0.03	2.27	10.4	-5	-10	60	0.36	0.29			0.78	0.07	41.9	14.3	29	1.19
	JN19030-010	13.72	15.24	1.51	0.04	2.7	9.9	-5	-10	60	0.43	0.34			0.78	0.06	42.7	15.1	33	1.22
	JN19030-011	15.24	16.76	1.51	0.08	2.33	30.5	-5	-10	60	0.5	0.62			0.29	0.02	46.1	26.9	31	1.33
	JN19030-012	16.76	18.29	1.52	0.08	2.31	15.8	-5	-10	50	0.47	0.47			0.09	0.05	40.8	16	28	1.31
	JN19030-013	18.29	19.81	1.51	0.09	2.71	16.6	-5	-10	50	0.54	0.46			0.38	0.07	35.7	18.5	32	1.36
	JN19030-014	19.81	21.34	1.52	0.16	2.31	21.2	5	-10	50	0.5	0.43			0.34	0.08	28	21.2	29	1.68
	JN19030-015	21.34	22.86	1.51	0.08	2.71	9.2	-5	-10	50	0.52	0.4			0.13	0.05	40	12.2	33	1.45
	JN19030-016	22.86	24.38	1.51	0.1	2.81	10.3	-5	-10	60	0.51	0.47			0.21	0.05	35.6	17.8	34	1.41
	JN19030-017	24.38	25.91	1.52	0.09	2.82	10.1	-5	-10	60	0.52	0.45			0.12	0.04	41.5	18.1	35	1.42
	JN19030-018	25.91	27.43	1.51	0.07	2.88	7.8	-5	-10	60	0.52	0.44			0.24	0.03	37.1	15.2	35	1.39
	JN19030-019	27.43	28.96	1.52	0.1	2.83	14.3	-5	-10	50	0.6	0.51			0.14	0.03	40.8	17.6	35	1.68
	JN19030-020	28.96	30.48	1.51	0.1	2.74	29.1	7	-10	60	0.54	0.36			0.36	0.03	47.6	12.9	34	2.55
JN19031	**JN19031-001**	**18**	**19.5**	**1.32**	**0.09**	**1.24**	**68.2**	**19**	**-10**	**10**	**1.25**	**3.62**			**0.35**	**-0.01**	**180**	**6.2**	**16**	**3.38**
	JN19031-002	19.5	21	1.35	0.09	1.05	84.2	7	-10	10	1.29	1.3			0.24	-0.01	153.5	4.7	17	2.4
	JN19031-003	21	22.5	1.21	0.07	1.25	59.1	9	-10	20	2.03	1.31			0.25	0.05	113	8.8	19	3.16
	JN19031-004	22.5	24	1.18	0.45	1.01	82	-5	-10	80	3.92	1.59			3.42	0.13	150	13.9	24	9.69
	JN19031-005	24	25.5	1.38	0.16	2.11	51.3	6	-10	50	1.74	5.65			5.27	-0.01	74.4	6.2	30	11.85
	JN19031-006	25.5	27.2	1.48	0.32	0.96	51.8	-5	10	30	2.01	1.78			5.21	0.65	83.9	2.3	17	3.99
	JN19031-007	27.2	28.5	1.22	0.12	0.28	489	-5	10	20	0.64	0.26			0.94	0.28	3.04	2	6	0.72
	JN19031-008	28.5	30	1.45	1.17	0.22	968	14	-10	30	0.72	15.45			0.74	0.12	7.18	0.4	6	0.63
	JN19031-009	30	31.5	1.37	0.95	0.22	695	10	-10	30	0.67	2.65			0.56	1.24	9.22	0.8	6	0.79
	JN19031-010	31.5	33	1.25	0.25	0.22	423	5	-10	30	0.63	1.14			0.78	0.26	2.04	0.2	6	0.66
	JN19031-011	33	34.5	1.36	2.05	0.24	981	14	-10	40	0.59	22			0.61	2.07	2.17	2.7	7	0.84
	JN19031-012	34.5	36	1.39	0.45	0.21	2980	17	-10	20	0.85	3.73			0.76	0.32	3.59	17.6	8	1.47
	JN19031-013	36	37.5	1.42	0.04	0.23	26.3	-5	10	20	0.88	0.06			1.02	0.04	5.12	0.2	7	1.46
	JN19031-014	37.5	39	1.39	0.08	0.28	217	-5	10	20	1.13	0.09			1.54	0.09	19.1	1.4	5	1.59
	JN19031-015	48.53	50	1.23	0.27	1.16	575	-5	10	20	2.06	3.95			1.19	-0.01	105	28.2	21	7.77
	JN19031-016	56	56.5	0.5	0.04	2.71	77	-5	10	70	1.78	0.33			2.03	0.03	37	15.7	36	11.9
	JN19031-017	81	82	1	0.09	1.85	10000	85	-10	40	0.55	7.53			1.04	0.04	29.1	276	31	4
	JN19031-018	142	143.5	1.32	0.02	1.31	39.5	-5	-10	20	0.27	0.16			0.27	0.03	44.9	1.9	27	3.06
	JN19031-019	143.5	145	1.42	0.09	1.27	37	-5	-10	20	0.32	0.16			0.72	0.03	40.9	3.6	20	2.93
	JN19031-020	145	146.5	1.43	0.02	3.47	46.9	-5	-10	70	1.14	0.24			1.39	0.02	41.2	9.7	41	13.25
	JN19031-021	146.5	148	1.48	0.04	2.18	47.5	-5	-10	40	0.76	0.23			0.75	0.03	55.8	8	30	6.86
	JN19031-022	148	149.5	1.42	0.02	2.51	30.8	-5	-10	50	0.78	0.09			0.66	0.03	65.2	4.7	34	7.19
	JN19031-023	149.5	151	1.21	0.04	1.16	11.4	-5	-10	20	0.32	0.17			0.17	0.12	93	0.7	23	1.92
	JN19031-024	151	152.5	1.45	0.03	0.64	31.8	-5	-10	10	0.2	0.08			0.14	0.01	84.3	0.4	21	0.81
	JN19031-025	152.5	154	1.5	0.07	0.72	75.3	-5	-10	10	0.23	0.58			0.1	0.2	65.9	0.4	26	1.04
	JN19031-026	154	155.5	1.47	0.05	0.96	0.9	-5	-10	-10	0.18	0.14			0.49	0.06	6.05	0.2	25	0.69
	JN19031-027	155.5	157	1.42	0.14	0.49	37.3	-5	-10	10	0.22	0.28			0.71	0.42	8.06	0.2	21	0.82
	JN19031-028	157	158	1	0.6	0.52	2540	28	-10	10	0.2	11.75			0.24	0.56	17.2	0.2	20	0.79
	JN19031-029	158	159	0.88	0.09	0.57	77.3	-5	-10	10	0.23	0.6			0.06	0.12	59.7	0.4	23	0.67
	JN19031-030	159	160	1	0.08	0.7	139.5	-5	-10	10	0.3	0.43			0.08	0.08	55.1	0.3	22	0.82
	JN19031-031	160	161	1	0.24	1.14	703	5	-10	10	0.28	1.88			0.06	-0.01	30.8	1.1	22	0.71
	JN19031-032	161	162	0.84	0.92	0.33	2210	17	-10	-10	0.13	3.2			0.05	0.23	3.7	1.4	21	0.39
	JN19031-033	162	163	1	0.35	0.21	6500	13	-10	10	0.1	2.71			0.06	0.19	6.79	4.9	22	0.52
	JN19031-034	163	164	0.79	0.21	0.48	826	-5	-10	30	0.22	0.51			0.09	0.34	84	1.9	16	1.17
	JN19031-035	164	165	0.85	0.09	0.82	101	-5	-10	30	0.4	0.31			0.1	0.11	47	4	19	2.43
	JN19031-036	165	166	1	0.32	0.76	72.1	-5	-10	20	0.24	0.64			0.07	0.31	34.6	2.3	20	1.9

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Recovery (m)	Ag (ppm)	Al (pct)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Br (ppm)	C (pct)	Ca (pct)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)
	JN19031-037	166	167	1	0.09	0.5	25	-5	-10	-10	0.11	0.2			0.05	0.2	55.4	0.2	19	0.44
	JN19031-038	167	168	0.85	0.59	1.17	1240	7	-10	30	0.51	1.37			0.19	0.31	51.4	8.9	31	3.24
	JN19031-039	168	169	1	0.09	1.26	52.2	-5	-10	30	0.38	0.25			0.37	0.07	27.5	2.2	25	2.97
	JN19031-040	169	169.84	0.84	0.14	0.8	3800	13	-10	20	0.28	2.47			0.16	0.14	43.2	1.8	26	2.25
	JN19031-041	169.84	171	0.98	0.04	2.13	146	-5	-10	60	0.71	0.36			0.39	0.01	58.4	13.9	37	9.59
	JN19031-042	171	172.5	1.48	0.02	2.07	72.8	-5	-10	70	0.69	0.38			0.55	0.02	48.1	13.8	34	13.2
	JN19031-043	172.5	174	1.42	0.03	2.02	52.3	-5	-10	50	0.72	0.39			0.63	0.03	53	8.6	35	8.38
	JN19031-044	174	175.19	1.17	0.2	0.53	2160	23	-10	10	0.19	7.92			0.14	0.09	43.2	7.5	22	0.99
	JN19031-045	175.19	176	0.8	0.05	0.7	29.7	-5	-10	30	0.32	0.17			0.12	0.05	44.8	2.8	27	2.43
	JN19031-046	176	177.5	1.14	0.08	1.31	69.7	-5	-10	40	0.66	0.42			0.22	0.13	59.6	7.5	24	4.49
	JN19031-047	177.5	179	1.41	0.02	1.45	26.2	-5	-10	50	0.71	0.32			1.05	0.02	46.3	10.4	23	6.83
	JN19031-048	179	180.5	1.5	0.03	1.12	39.2	-5	-10	40	0.7	0.23			1.48	0.01	50.1	8.9	20	5.38
	JN19031-049	180.5	182	1.5	0.03	0.77	71.5	-5	-10	20	0.57	0.19			1.46	0.04	61.1	3.4	21	3.27
	JN19031-050	182	183	1	0.03	0.5	74	-5	-10	-10	0.22	0.04			1.41	0.01	20.1	0.8	20	0.64
	JN19031-051	183	184	1	0.59	0.7	1620	-5	-10	-10	0.2	1.38			1.6	0.98	37.9	6.2	21	0.89
	JN19031-052	184	185.5	1.5	0.03	0.68	7.5	-5	-10	10	0.37	0.06			1.74	0.02	48	0.7	22	1.46
	JN19031-053	185.5	187	1.44	0.04	0.56	10.5	-5	-10	10	0.21	0.25			1.62	0.02	39.8	1.1	21	1.22
	JN19031-054	187	188.5	1.44	0.03	0.26	1.4	-5	-10	-10	0.11	0.07			0.61	0.04	28.9	0.7	16	0.71
	JN19031-055	188.5	189.18	0.68	0.07	0.78	27.8	-5	-10	20	0.34	0.5			0.49	0.08	34.3	3.1	20	2.61
	JN19031-056	189.18	190	0.8	0.06	0.63	95.5	-5	-10	-10	0.26	0.15			0.09	0.03	29.7	1.5	21	0.79
	JN19031-057	190	191.5	1.5	0.79	0.57	28.1	-5	-10	10	0.18	1.63			0.16	0.54	72.8	0.9	22	0.68
	JN19031-058	191.5	193	1.39	0.03	0.54	5.7	-5	-10	-10	0.23	0.05			1.52	0.02	85.3	0.5	20	0.64
	JN19031-059	193	194.5	1.5	0.03	0.58	1.8	-5	-10	10	0.3	0.07			1.94	0.03	124.5	0.5	19	0.85
	JN19031-060	194.5	196	1.5	0.04	0.89	17	-5	-10	10	0.23	0.12			1.91	-0.01	83.4	1.6	20	2.13
	JN19031-061	196	197.5	1.5	0.03	1	16.1	-5	-10	20	0.49	0.13			2.08	0.02	45.2	2.9	26	3.29
	JN19031-062	197.5	199	1.49	0.14	1.05	293	-5	-10	20	0.56	1.41			1.94	0.06	58.6	3.1	24	3.43
	JN19031-063	199	200.5	1.49	0.05	0.52	31.1	-5	-10	10	0.19	0.3			1.98	0.02	20.3	0.9	20	0.66
	JN19031-064	200.5	202	1.49	0.05	0.42	771	-5	-10	-10	0.14	0.37			2.22	0.01	10	0.8	22	0.38
	JN19031-065	202	203.5	1.49	0.13	0.63	330	-5	-10	10	0.36	0.4			2.21	0.03	34.1	2	19	1.14
	JN19031-066	203.5	205	1.49	0.03	0.73	243	-5	-10	20	0.38	0.15			2.09	0.02	50.1	2.7	23	1.85
	JN19031-067	205	205.6	0.59	0.03	0.45	72.1	-5	-10	10	0.28	0.07			1.94	0.03	36.5	1.3	22	1.33
	JN19031-068	205.6	207	1.39	0.04	0.42	29.6	-5	-10	10	0.29	0.18			1.89	0.14	39.6	0.9	15	1.25
	JN19031-069	210	211.5	1.49	0.44	1.02	654	10	-10	20	0.92	11.15			5.14	0.91	41.3	8.3	18	2.65
	JN19031-070	211.5	213	1.49	0.09	1.45	113	-5	-10	40	1.06	1.48			2.94	0.09	59.5	11	20	4.6
	JN19031-071	223.5	225	1.49	0.13	2.04	21	-5	-10	40	0.9	0.47			0.75	0.02	33.5	19.1	26	5.97
	JN19031-072	247.06	248	0.93	0.03	1.81	2	-5	-10	50	1.21	0.46			0.36	0.01	24.9	21.6	31	4.23
	JN19031-073	248	249.67		0.04	1.8	4.9	-5	-10	40	1.06	0.51			0.74	0.01	43.1	18.5	27	4.04
	JN19031-074	249.67	251	1.32	0.07	1.89	2.5	-5	-10	50	1.04	0.47			0.77	0.01	52.9	18.8	30	3.75
	JN19031-075	251	252	0.99	0.4	1.92	21.4	7	-10	40	0.9	0.49			0.25	0.18	27	25.9	28	3.32
	JN19031-076	252	253	0.99	3.9	1.75	19.3	8	-10	40	0.82	0.7			0.23	1.42	16.45	26	24	4.03
	JN19031-077	253	254	0.99	3.51	1.68	9.3	-5	-10	50	0.95	0.32			0.58	0.27	30.9	21.1	25	4.16
	JN19031-078	254	254.85	0.84	19.9	1.3	73.7	9	-10	40	1.15	1.54			0.69	148	41.3	23.4	22	6.88
	JN19031-079	254.85	256	1.14	0.04	0.29	14.3	-5	-10	20	0.97	0.05			1.3	0.13	61.4	0.7	8	0.89
	JN19031-080	256	257	0.99	0.03	0.22	0.2	-5	-10	20	0.74	0.02			1.19	0.1	17.65	0.2	6	0.85
	JN19031-081	257	258.5	1.49	0.01	0.6	8.4	-5	10	20	1.67	0.04			1.71	0.04	41.9	1	12	2.25
	JN19031-082	258.5	259.12	0.61	0.01	1.82	28.8	-5	-10	70	2.09	0.08			1.96	-0.01	106.5	7.9	31	16
	JN19031-083	259.12	260	0.87	0.14	0.22	130.5	-5	-10	10	1.27	0.41			1.29	0.13	19.05	2	5	1.15
	JN19031-084	260	261	0.99	0.03	0.2	170.5	-5	-10	10	1.41	0.08			0.89	0.03	18.8	0.5	6	0.85
	JN19031-085	261	262	1	0.02	0.22	327	-5	-10	20	1.54	0.06			0.99	0.02	21.5	0.6	6	1.02
	JN19031-086	289	289.76	0.75	0.03	2.25	968	6	-10	50	0.65	0.62			1.71	-0.01	70.9	11.8	32	4.28
	JN19031-087	289.76	290.5	0.73	0.11	1.58	38.3	-5	-10	30	0.48	0.57			2.16	-0.01	49.7	9	23	3.36
	JN19031-088	290.5	291.31	0.8	0.06	2.43	414	5	-10	70	1.03	0.64			1.52	0.28	68	15.5	32	17.4
JN19032	**JN19032-001**	**0**	**1.52**	**1.51**	**0.03**	**0.59**	**26.3**	**7**	**-10**	**20**	**0.28**	**0.23**			**0.18**	**0.02**	**39.7**	**10.6**	**13**	**1.12**
	JN19032-002	1.52	3.05	1.52	0.02	0.52	9.7	9	-10	10	0.18	0.22			0.48	0.01	33.7	4.4	13	0.88
	JN19032-003	3.05	4.57	1.51	0.01	0.54	14.4	5	-10	10	0.11	0.12			0.28	0.01	26.9	2.2	16	0.5
	JN19032-004	4.57	6.1	1.52	0.13	1.21	165.5	142	-10	30	0.41	0.38			0.13	0.06	53.3	16.8	21	1.07
	JN19032-005	6.1	7.62	1.51	0.09	1.78	47.2	12	-10	30	0.38	0.34			0.69	0.06	32.6	18.6	26	1.16
	JN19032-006	7.62	9.14	1.51	0.04	1.77	16.7	-5	-10	50	0.42	0.39			0.54	0.02	35.5	14.4	28	1.13
	JN19032-007	9.14	10.67	1.52	0.06	1.52	23.8	-5	-10	50	0.44	0.31			0.88	0.08	26.5	18.9	24	1.25
	JN19032-008	10.67	12.19	1.51	0.62	1.25	71.6	20	-10	40	0.47	0.38			0.24	0.6	18.95	29	23	1.27
	JN19032-009	12.19	13.72	1.52	0.34	1.54	53.6	10	-10	40	0.45	0.4			0.45	0.16	21	24.2	24	1.58
	JN19032-010	13.72	15.24	1.51	0.04	2.22	6.5	-5	-10	50	0.47	0.51			0.68	0.05	36	10.5	29	1.38
	JN19032-011	15.24	16.76	1.51	0.03	2.94	9.8	-5	-10	40	0.46	0.41			0.4	0.02	37.9	11.2	40	1.21
	JN19032-012	16.76	18.29	1.52	0.02	2.62	6.3	-5	-10	40	0.41	0.25			0.54	0.03	41.9	12.6	36	1.18

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Recovery (m)	Ag (ppm)	Al (pct)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Br (ppm)	C (pct)	Ca (pct)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)
	JN19032-013	18.29	19.81	1.51	0.04	2.19	10.4	-5	-10	60	0.37	0.42			0.41	0.02	33.9	13.2	31	1.21
	JN19032-014	19.81	21.34	1.52	0.06	2.43	8.8	-5	-10	50	0.42	0.29			1.06	0.06	33.3	9.7	33	1.3
	JN19032-015	21.34	22.86	1.51	0.06	1.83	5.9	-5	-10	50	0.41	0.22			0.54	0.05	45.4	7.1	26	1.13
	JN19032-016	22.86	24.38	1.51	0.12	1.65	11.8	-5	-10	40	0.38	0.56			0.64	0.05	30.9	18.6	24	1.19
	JN19032-017	24.38	25.91	1.52	0.09	1.6	6.5	-5	-10	60	0.5	0.25			1.1	0.06	34	9.1	24	1.24
	JN19032-018	25.91	27.43	1.2	0.07	1.83	10.8	-5	-10	50	0.48	0.24			0.87	0.04	39.5	9.9	30	1.36
	JN19032-019	27.43	28.96	0.8	0.13	1.83	31.1	8	-10	60	0.53	0.49			1	0.07	32.5	18.5	28	1.47
	JN19032-020	28.96	30.48	1.1	0.19	2.03	45.8	11	-10	50	0.53	0.42			0.85	0.24	23.5	28.7	29	1.29
JN19033	**JN19033-001**	**0**	**1.52**	**1.1**	**0.12**	**0.6**	**140**	**33**	**-10**	**20**	**0.22**	**0.32**			**0.18**	**0.06**	**30.7**	**9.3**	**13**	**0.64**
	JN19033-002	1.52	3.05	1.52	0.22	1.03	65.5	93	-10	30	0.3	0.41			0.07	0.04	50.7	16.2	21	0.97
	JN19033-003	3.05	4.57	1.51	0.14	1.73	46.3	33	-10	40	0.42	0.41			0.35	0.04	68.4	17.1	27	1.26
	JN19033-004	4.57	6.1	1.52	0.15	1.46	118.5	122	-10	40	0.71	0.64			0.14	0.08	57.6	23.2	23	1.65
	JN19033-005	6.1	7.62	1.51	0.06	2.3	75.5	38	-10	60	0.65	0.13			1.92	0.06	83.2	17.4	30	2.09
	JN19033-006	7.62	9.14	1.1	0.06	2.51	55.2	50	-10	60	0.61	0.22			1.32	0.05	55.6	16.9	33	1.6
	JN19033-007	9.14	10.67	1.52	0.04	2.34	30.3	5	-10	50	0.52	0.43			0.57	0.04	40.1	15	32	1.16
	JN19033-008	10.67	12.19	1.51	0.06	2.41	27.6	5	-10	40	0.54	0.27			0.42	0.02	38.6	17.2	33	1.1
	JN19033-009	12.19	13.72	1.52	0.08	2.43	30.3	31	-10	40	0.52	0.46			0.13	0.03	35.9	16.9	30	1.19
	JN19033-010	13.72	15.24	1.51	0.15	2.22	42.1	83	-10	50	0.53	0.5			0.49	0.11	27.3	18.3	28	1.52
	JN19033-011	15.24	16.76	1.51	0.13	2.74	23.6	53	-10	40	0.61	0.41			0.16	0.03	40.7	14.5	33	1.47
	JN19033-012	16.76	18.29	1.52	0.28	2.86	27.7	70	-10	40	0.61	0.61			0.27	0.03	41	18.3	34	1.69
	JN19033-013	18.29	19.81	1.51	0.11	3.03	23.7	69	-10	50	0.58	0.42			0.18	0.02	41.5	18.6	40	1.58
	JN19033-014	19.81	21.34	1.52	0.1	2.94	19.3	25	-10	50	0.71	0.45			0.19	0.03	51.4	16.8	38	2.59
	JN19033-015	21.34	22.86	1.51	0.11	2.43	21.4	9	-10	50	0.61	0.49			0.16	0.02	35.3	20.6	34	2.19
	JN19033-016	22.86	24.38	1.51	0.09	2.65	14.9	-5	-10	50	0.48	0.41			0.13	0.02	40.5	19	35	1.6
	JN19033-017	24.38	25.91	1.52	0.06	2.78	8.6	8	-10	50	0.54	0.4			0.13	0.03	48	11.6	36	1.66
	JN19033-018	25.91	27.43	0.6	0.18	2.37	21	7	-10	50	0.52	0.31			1.16	0.17	20.5	19.4	35	1.47
	JN19033-019	27.43	28.96	0.15	0.14	2.48	24.5	15	-10	50	0.57	0.45			0.18	0.09	35.7	18.8	34	1.83
	JN19033-020	28.96	30.48	0.48	0.16	2.38	27.5	23	-10	40	0.48	0.45			0.17	0.1	26.4	21	34	1.66
JN19034	**JN19034-001**	**0**	**1.52**	**0.08**	**0.03**	**1.07**	**281**	**15**	**-10**	**70**	**0.36**	**0.13**			**0.06**	**0.04**	**47**	**4.9**	**24**	**0.91**
	JN19034-002	1.52	3.05	1.52	0.02	0.23	90.6	10	-10	10	0.17	0.06			0.08	0.04	31.1	3.1	13	0.39
	JN19034-003	3.05	4.57	1.52	0.03	0.25	22.7	9	-10	20	0.18	0.08			0.11	0.02	29.4	2	12	0.54
	JN19034-004	4.57	6.1	1.52	0.07	1.25	44.6	42	-10	30	0.4	0.93			0.13	0.01	59.9	14.1	22	1.76
	JN19034-005	6.1	7.62	1.52	0.19	1.56	73.4	29	-10	40	0.56	0.38			0.38	0.04	66.5	26.6	23	1.72
	JN19034-006	7.62	9.14	1.52	0.24	1.44	103	93	-10	40	0.78	0.58			0.48	0.04	54.5	31.7	21	2.47
	JN19034-007	9.14	10.67	1.52	0.15	1.56	76.9	67	-10	20	0.46	0.48			0.37	0.03	36.6	27.7	21	1.47
	JN19034-008	10.67	12.19	1.51	0.07	1.76	32.9	-5	-10	40	0.45	0.21			1.03	0.03	34.1	19.8	23	1.23
	JN19034-009	12.19	13.72	0.75	0.1	1.71	55.1	17	-10	40	0.52	0.24			0.57	0.05	35.1	19.9	22	1.73
	JN19034-010	13.72	15.24	1.51	0.12	1.57	72.4	30	-10	40	0.54	0.46			0.51	0.06	35	17.7	23	1.99
	JN19034-011	15.24	16.76	0.38	0.08	1.84	39.3	16	-10	40	0.46	0.44			0.49	0.05	40.3	17	28	1.43
	JN19034-012	16.76	18.29	0.15	0.07	1.88	37.8	14	-10	40	0.41	0.45			0.47	0.06	36.1	16.1	28	1.32
	JN19034-013	18.29	19.81	0.15	0.07	1.98	25.6	9	-10	40	0.41	0.39			0.62	0.03	31.8	12.9	27	1.1
	JN19034-014	19.81	21.34	0.15	0.1	2.16	40.5	9	-10	40	0.42	0.39			0.4	0.02	29.5	21.4	30	1.16
JN19035	**JN19035-001**	**0**	**1.52**	**1.1**	**-0.01**	**0.57**	**357**	**25**	**-10**	**20**	**0.13**	**0.31**			**0.67**	**0.02**	**29.3**	**3.2**	**14**	**3.15**
	JN19035-002	1.52	3.05	1.52	-0.01	0.47	10.6	9	-10	20	0.15	0.13			0.75	0.01	31.5	3.6	16	1.5
	JN19035-003	3.05	4.57	1.52	0.09	0.89	77.2	75	-10	20	0.3	0.46			0.7	0.03	38.7	14.8	19	1.36
	JN19035-004	4.57	6.1	1.52	0.07	1.95	87.4	45	-10	40	0.49	0.34			0.2	0.03	46.8	24.8	26	1.57
	JN19035-005	6.1	7.62	1.52	0.06	1.56	52.5	8	-10	50	0.52	0.34			0.5	0.06	40.8	16.3	25	1.56
	JN19035-006	7.62	9.14	1.52	0.05	1.75	45.6	9	-10	40	0.49	0.24			0.34	0.04	43.9	13.1	26	1.32
	JN19035-007	9.14	10.67	1.52	0.06	1.93	22.7	28	-10	40	0.57	0.42			0.13	0.05	37.8	14.2	25	1.37
	JN19035-008	10.67	12.19	1.51	0.13	1.93	40.3	98	-10	50	0.58	0.58			0.36	0.08	23.2	18.4	26	1.45
	JN19035-009	12.19	13.72	1.52	0.08	2.5	25.7	12	-10	40	0.53	0.42			0.15	0.07	34	16.2	32	1.55
	JN19035-010	13.72	15.24	1.51	0.08	1.97	29.2	-5	-10	60	0.81	0.4			0.4	0.02	33.4	17	30	1.97
	JN19035-011	15.24	16.76	1.52	0.09	2.46	18.3	-5	-10	50	0.64	0.37			0.27	0.02	32.2	20.7	34	1.75
	JN19035-012	16.76	18.29	0.99	0.06	2.69	12.5	-5	-10	40	0.55	0.4			0.16	0.02	42.8	15	35	1.71
	JN19035-013	18.29	19.81	0.75	0.07	2.38	21.2	-5	-10	50	0.55	0.44			0.2	0.03	36.8	19.4	33	1.71
	JN19035-014	19.81	21.34	0.75	0.08	2.68	14	-5	-10	40	0.55	0.43			0.19	0.04	36.7	14.9	36	1.56
	JN19035-015	21.34	22.86	0.75	0.19	2.27	30.4	5	-10	40	0.53	0.43			0.43	0.12	20.7	25	34	1.37
	JN19035-016	22.86	24.38	0.75	0.19	2.23	26.2	-5	-10	40	0.5	0.46			0.15	0.13	20.4	21	33	1.39
	JN19035-017	24.38	25.91	0.75	0.09	2.71	16.3	-5	-10	50	0.62	0.43			0.36	0.07	32	19	37	1.59
	JN19035-018	25.91	27.43	0.75	0.1	2.72	14.1	-5	-10	70	0.69	0.36			0.63	0.04	26.2	19.1	38	1.55
	JN19035-019	27.43	28.96	0.75	0.11	2.48	13.3	-5	-10	40	0.6	0.37			0.68	0.08	26.3	20.5	34	1.57
	JN19035-020	28.96	30.48	0.75	0.11	2.75	13.4	-5	-10	40	0.62	0.48			0.35	0.07	30.4	21.2	37	1.69

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Recovery (m)	Ag (ppm)	Al (pct)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Br (ppm)	C (pct)	Ca (pct)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)
JN19036	**JN19036-001**	**0**	**1.52**	**1.1**	**0.03**	**0.6**	**238**	**105**	**-10**	**10**	**0.11**	**0.24**			**0.39**	**0.02**	**32.4**	**4.5**	**19**	**1.06**
	JN19036-002	1.52	3.05	1.52	0.02	0.5	36.4	6	-10	10	0.12	0.06			0.51	0.02	28.6	5.1	17	0.67
	JN19036-003	3.05	4.57	1.52	0.02	0.44	8.9	5	-10	10	0.17	0.1			0.87	0.02	35.3	5.6	17	0.99
	JN19036-004	4.57	6.1	1.2	0.06	0.67	207	35	-10	20	0.22	0.22			0.92	0.03	23.3	8.5	17	0.8
	JN19036-005	6.1	7.62	1.52	0.1	1.35	95.9	31	-10	40	0.37	0.42			0.4	0.04	35.2	16.7	23	1.13
	JN19036-006	7.62	9.14	1.51	0.06	1.39	23.8	-5	-10	40	0.46	0.22			0.59	0.04	37.3	13.6	23	1.5
	JN19036-007	9.14	10.67	1.52	0.04	1.82	21	6	-10	50	0.47	0.47			0.58	0.06	36	17.3	28	1.19
	JN19036-008	10.67	12.19	1.5	0.11	1.66	47.2	10	-10	50	0.43	0.42			0.17	0.05	31.1	19.4	26	1.5
	JN19036-009	12.19	13.72	1.5	0.1	1.79	37.6	8	-10	50	0.49	0.41			0.14	0.04	42.9	11.1	24	1.5
	JN19036-010	13.72	15.24	1.2	0.08	2.27	25.5	17	-10	50	0.62	0.48			0.16	0.05	42.5	16.6	27	1.48
	JN19036-011	15.24	16.76	0.75	0.12	1.92	34	22	-10	50	0.59	0.46			0.21	0.05	30.4	18.8	25	1.45
	JN19036-012	16.76	18.29	0.75	0.15	2.08	33.1	14	-10	60	0.53	0.45			0.63	0.45	22.2	21.3	26	1.5
	JN19036-013	18.29	19.81	1.2	0.13	2.08	25.3	6	-10	60	0.58	0.41			0.59	0.11	23.3	17.6	25	1.59
	JN19036-014	19.81	21.34	0.85	0.12	2.39	23.1	5	-10	50	0.55	0.42			0.25	0.09	32	18.3	29	1.5
	JN19036-015	21.34	22.86	0.85	0.12	2.5	21.9	-5	-10	50	0.54	0.43			0.29	0.05	32.1	17.4	31	1.46
	JN19036-016	22.86	24.38	0.85	0.15	2.48	32.1	8	-10	50	0.59	0.51			0.5	0.08	32.8	22.7	31	1.41
	JN19036-017	24.38	25.91	0.85	0.09	2.58	19.2	5	-10	40	0.53	0.46			0.2	0.03	36.7	18.2	32	1.29
	JN19036-018	25.91	27.43	0.85	0.1	2.74	15.4	-5	-10	40	0.6	0.49			0.16	0.04	37.6	19	35	1.34
	JN19036-019	27.43	28.96	0.85	0.19	2.29	28	6	-10	40	0.54	0.44			0.3	0.1	21	24.8	32	1.32
	JN19036-020	28.96	30.48	0.75	0.08	2.77	19.2	-5	-10	50	0.56	0.37			0.13	0.07	39.8	12.9	35	1.4
JN19037	**JN19037-001**	**0**	**1.52**	**0.9**	**0.08**	**2.45**	**119**	**16**	**-10**	**40**	**0.45**	**0.36**			**0.15**	**0.06**	**75.1**	**15.6**	**34**	**0.99**
	JN19037-002	1.52	3.05	1.52	0.09	2.11	267	20	-10	30	0.47	0.35			0.18	0.05	64.4	15.9	29	1.31
	JN19037-003	3.05	4.57	1.52	0.07	1.39	137.5	37	-10	30	0.4	0.2			0.11	0.03	60	11.2	20	1.64
	JN19037-004	4.57	6.1	1.52	0.07	1.33	132	84	-10	30	0.44	0.21			0.39	0.04	39.7	11.2	23	1.9
	JN19037-005	6.1	7.62	1.52	0.09	0.81	797	335	-10	30	0.32	0.44			0.56	0.03	29.1	14.3	18	1.53
	JN19037-006	7.62	9.14	1.1	0.07	1.28	249	53	-10	30	0.38	0.28			0.58	0.06	27.8	14.5	21	1.64
	JN19037-007	9.14	10.67	0.5	0.08	2.13	26.7	-5	-10	40	0.44	0.47			0.13	0.05	35.3	17	26	1.38
	JN19037-008	10.67	12.19	0.5	0.07	1.88	38.8	6	-10	40	0.36	0.44			0.4	0.05	23.7	20.5	28	1.24
	JN19037-009	12.19	13.72	0.5	0.14	1.96	34.3	17	-10	50	0.51	0.46			0.4	0.1	20.5	17.4	24	1.56
JN19038	**JN19038-001**	**0**	**1.52**	**1.1**	**0.04**	**1.96**	**23.7**	**5**	**-10**	**30**	**0.41**	**0.42**			**0.15**	**0.06**	**62.1**	**17.1**	**30**	**1.13**
	JN19038-002	1.52	3.05	0.8	0.06	2.54	69.8	-5	-10	30	0.47	0.37			0.18	0.05	75.9	16.2	33	2.21
	JN19038-003	3.05	4.57	1.52	0.12	2.59	40.1	5	-10	30	0.43	0.44			0.15	0.04	76.4	18.2	35	2.09
	JN19038-004	4.57	6.1	1.52	0.14	2.57	13.6	-5	-10	30	0.42	0.46			0.3	0.05	53.8	18.2	34	1.68
	JN19038-005	6.1	7.62	1.52	0.09	2.5	14	-5	-10	30	0.42	0.34			0.75	0.05	43.6	15.8	34	2.12
	JN19038-006	7.62	9.14	1.52	0.08	2.45	18.2	-5	-10	30	0.41	0.37			0.61	0.03	38.2	17.2	32	1.58
	JN19038-007	9.14	10.67	1.52	0.08	1.81	59.9	5	-10	30	0.47	0.44			0.41	0.02	30	16.3	26	1.6
	JN19038-008	10.67	12.19	1.5	0.09	1.21	57.3	11	-10	30	0.56	0.5			0.87	0.02	25.7	14.5	22	1.1
	JN19038-009	12.19	13.72	0.75	0.05	0.32	390	84	-10	20	0.22	0.25			0.59	0.03	21.2	6.1	12	0.84
	JN19038-010	13.72	15.24	0.75	0.04	0.24	854	85	-10	10	0.15	0.12			0.42	0.03	21.8	4.3	9	0.64
	JN19038-011	15.24	16.76	0.75	0.05	0.66	610	40	-10	20	0.23	0.1			0.6	0.02	18.9	8.6	14	0.78
	JN19038-012	16.76	18.29	0.75	0.02	0.14	1760	28	-10	10	0.09	0.11			0.11	0.01	11.65	2.7	6	0.39
	JN19038-013	18.29	19.81	0.75	0.03	0.14	456	13	-10	10	0.12	0.17			0.08	0.01	17.2	4.3	5	0.66
	JN19038-014	19.81	21.34	0.75	0.04	0.14	366	9	-10	10	0.11	0.36			0.06	-0.01	17.7	4.3	6	0.85
	JN19038-015	21.34	22.86	0.75	0.02	0.13	329	10	-10	10	0.09	0.19			0.06	0.01	17.55	2.4	6	0.53
	JN19038-016	22.86	24.38	0.75	0.03	0.16	269	25	-10	10	0.16	0.54			0.11	0.01	22.5	4.7	8	0.67
	JN19038-017	24.38	25.91	0.75	0.15	0.63	77.2	12	-10	30	0.37	0.34			0.68	0.08	20.8	16.3	20	1.2
	JN19038-018	25.91	27.43	0.75	0.16	0.64	72.2	31	-10	30	0.39	0.36			1.35	0.07	13.2	24.4	17	0.93
	JN19038-019	27.43	28.96	0.75	0.12	0.69	98.1	13	-10	40	0.43	0.39			1	0.12	29	15.8	21	1.18
	JN19038-020	28.96	30.48	0.75	0.08	0.76	15.3	-5	-10	50	0.39	0.35			0.95	0.06	31.5	14	26	1.11
JN19039	**JN19039-001**	**20**	**21.83**	**1.45**	**0.08**	**0.45**	**43.5**	**20**	**-10**	**30**	**0.57**	**0.34**			**0.13**	**0.06**	**42.6**	**7.4**	**10**	**1.78**
	JN19039-002	21.83	23	0.73	0.03	0.27	11.8	-5	-10	10	0.27	0.14			0.05	0.04	20.7	1.7	7	1.07
	JN19039-003	23	24	0.68	0.04	0.43	19.5	-5	-10	30	0.44	0.23			0.07	0.06	39.1	5.6	5	1.85
	JN19039-004	24	25.5	1.15	0.07	0.33	24	5	-10	10	0.35	0.36			0.1	0.04	24.3	2.6	9	0.69
	JN19039-005	25.5	27	1.5	0.11	0.29	73.5	14	-10	20	0.26	0.21			0.06	0.08	26.7	4.7	10	1.01
	JN19039-006	27	28.18	1	0.14	0.18	38.1	37	-10	10	0.11	0.24			0.03	0.17	12.65	2.2	10	0.68
	JN19039-007	28.18	29	0.71	0.13	0.13	66.5	36	-10	10	0.1	0.17			0.03	0.19	11	2.4	12	0.47
	JN19039-008	29	29.9	0.72	0.05	0.21	36.1	25	-10	10	0.2	0.18			0.04	0.13	16.7	1.8	12	0.89
	JN19039-009	29.9	31	0.77	0.03	0.24	15.3	10	-10	10	0.15	0.12			0.03	0.07	22.7	2	9	0.87
	JN19039-010	31	31.77	0.46	0.01	0.19	10.8	-5	-10	10	0.12	0.05			0.02	0.03	20.9	1.2	10	0.61
	JN19039-011	31.77	33	1.01	0.04	0.18	8.6	-5	-10	10	0.1	0.09			0.04	0.04	20.5	1.5	12	0.57
	JN19039-012	33	34.5	0.96	0.05	0.19	20.6	-5	-10	10	0.12	0.12			0.04	0.06	24.5	2	10	0.81

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Recovery (m)	Ag (ppm)	Al (pct)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Br (ppm)	C (pct)	Ca (pct)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)
	JN19039-013	34.5	35.5	1	0.06	0.22	35.2	5	-10	10	0.17	0.64			0.13	0.04	23.4	4.1	10	0.79
	JN19039-014	35.5	36.82	1.02	0.12	0.29	26.6	118	-10	30	0.19	0.88			0.33	0.06	27.5	4.6	8	1.32
	JN19039-015	36.82	38	0.89	0.06	0.29	31.2	52	-10	20	0.22	1.25			0.12	0.05	32.1	4.2	8	1.26
	JN19039-016	38	39.66	1.27	0.22	0.35	70.6	461	-10	30	0.3	0.51			0.44	0.08	32.9	7.5	9	2.45
	JN19039-017	39.66	40.82	1.04	0.36	0.39	86.2	262	-10	40	0.38	0.78			0.65	0.21	42.9	10.5	7	3.28
	JN19039-018	40.82	42	0.95	0.32	0.43	132.5	43	-10	30	0.81	7.26			1.29	1.27	32.5	9.3	17	1.77
	JN19039-019	42	43.5	1	0.35	0.39	153	171	-10	30	1.07	7.71			1.78	0.8	31.2	9	15	1.82
	JN19039-020	43.5	45	1.24	0.59	0.67	689	176	-10	40	1.58	18.3			2.14	0.93	37.9	18.4	21	1.34
	JN19039-021	45	46.5	1.18	0.38	0.41	160	51	10	40	1.23	7.81			2.29	0.92	29.1	12.1	18	1.46
	JN19039-022	46.5	48	1.29	0.3	0.46	90.8	23	-10	40	0.91	3.26			3.28	0.58	26.7	13.6	19	1.6
	JN19039-023	48	49	0.7	0.18	1.08	82.6	17	10	30	1.62	1.69			2.12	0.37	59.3	39.1	46	1.23
	JN19039-024	49	50	0.6	0.26	0.6	121	68	-10	30	1.27	3.78			2.87	0.76	34.9	21.6	30	1.44
	JN19039-025	50	51.5	0.9	0.33	1.26	120.5	35	10	30	1.97	6.46			4.15	0.33	74.1	21.7	88	3.76
	JN19039-026	51.5	52	0.5	1.29	0.28	460	96	10	20	1.19	44.7			3.79	1.51	9.08	7.7	4	3.73
	JN19039-027	52	53	1	0.5	0.3	6.4	156	10	20	0.78	64.9			2.54	0.22	15.15	2	3	3.83
	JN19039-028	53	54	0.81	1.39	0.27	65.2	721	10	20	0.63	238			2.77	0.51	12.05	2.1	3	2.79
	JN19039-029	54	55	0.97	0.03	0.42	3.1	51	10	20	0.98	16.8			2.92	0.02	24.2	2.2	2	3.15
	JN19039-030	55	56	0.95	0.07	0.36	4.3	239	10	20	0.93	34.7			2.64	0.02	41.8	2.7	3	3.63
	JN19039-031	56	57	1	0.05	0.37	2.5	301	10	20	1.12	48.6			2.16	0.02	43.7	2.3	8	4.51
	JN19039-032	57	58	0.97	0.03	0.32	2.7	75	-10	20	1.03	19.95			1.93	0.02	44.9	2.5	3	4.3
	JN19039-033	58	58.66	0.65	0.04	0.35	3.1	224	10	20	0.99	40.6			1.93	0.02	48.3	2.4	4	4.12
	JN19039-034	58.66	59.34	0.6	0.59	0.11	283	1820	-10	10	0.29	715			0.62	0.05	12.9	0.8	11	1.38
	JN19039-035	59.34	60	0.65	0.02	0.3	2.2	34	-10	30	0.99	7.62			1.69	0.02	50.2	2.6	5	4.98
	JN19039-036	60	61	1	0.58	0.25	2.3	73	-10	20	0.83	54.4			1.55	0.06	51.2	2.5	4	4.05
	JN19039-037	61	62	1	0.02	0.37	0.3	62	-10	40	0.67	9.91			1.22	0.01	57.6	2.7	6	4.23
	JN19039-038	62	63	1	0.04	0.27	0.8	79	-10	30	0.79	20.2			1.41	0.01	50.6	2.7	4	3.96
	JN19039-039	63	64	0.97	0.01	0.3	0.5	46	-10	30	0.66	11			1.45	0.01	51.7	2.6	5	3.59
	JN19039-040	64	65.5	1.41	0.03	0.24	0.8	51	-10	20	0.77	8.9			1.5	0.02	47.6	2.6	4	3.61
	JN19039-041	65.5	67	1.43	0.1	0.25	0.6	55	-10	30	0.68	26.5			1.33	0.03	43.3	2.4	4	4.91
	JN19039-042	67	68.5	1.43	0.05	0.28	0.9	32	-10	30	0.7	10.65			1.49	0.02	44.9	2.5	5	2.64
	JN19039-043	68.5	70	1.41	0.06	0.26	0.8	72	-10	30	0.61	17.35			1.42	0.03	40.7	2.2	6	2.83
	JN19039-044	70	71.5	1.49	0.04	0.24	0.6	16	-10	30	0.73	8.01			1.61	0.02	45.1	2.4	4	3.64
	JN19039-045	71.5	73	1.5	0.24	0.26	1.7	91	-10	30	0.74	51.1			1.52	0.05	41.4	2.5	5	3.39
	JN19039-046	73	74.5	1.21	0.08	0.22	0.5	24	-10	30	0.69	12.8			1.3	0.02	43.6	2.4	5	5.59
	JN19039-047	74.5	76	1.45	0.15	0.24	59.6	73	-10	40	0.61	41.3			1.31	0.05	40	2.4	4	6.04
	JN19039-048	76	77	0.93	0.1	0.26	11.1	12	-10	30	0.61	3.79			1.33	0.04	40.8	2.4	4	4.44
	JN19039-049	77	78	0.98	1.25	0.34	41.2	22	-10	40	0.61	15.95			1.33	0.77	40.7	2.6	6	3.46
	JN19039-050	78	79	0.87	2.81	0.28	4.5	24	-10	30	0.67	13.25			1.38	0.27	34.2	2.9	5	3.09
	JN19039-051	79	80	0.93	0.2	0.33	124	9	-10	30	0.7	4.52			1.5	0.07	35.9	2.6	5	2.51
	JN19039-052	80	81	0.71	0.14	0.25	20.3	8	-10	30	0.7	2.07			1.49	0.08	33.8	2.4	5	4
	JN19039-053	81	82	0.99	0.04	0.24	0.6	-5	-10	30	0.68	1.66			1.19	0.03	45	2.5	5	6.4
	JN19039-054	82	83	1	0.06	0.32	0.7	35	-10	30	0.67	8.68			1.21	0.02	46	2.4	5	4.72
	JN19039-055	83	84	0.87	0.03	0.31	0.6	30	-10	30	0.65	6.81			1.11	0.02	51.3	2.4	5	2.87
	JN19039-056	84	85	1	0.87	0.4	10.2	13	-10	40	0.57	40.7			1.08	0.14	48.5	2.7	7	3.2
	JN19039-057	85	86	1	0.42	0.45	6.1	27	-10	20	0.69	43.1			1.26	0.07	37.4	2.6	5	1.84
	JN19039-058	86	87	0.73	0.81	0.49	6.2	25	-10	30	0.58	62.8			1.07	0.17	37.3	2.5	5	1.97
	JN19039-059	87	88	0.97	0.11	0.54	1.7	19	-10	30	0.6	13.8			1.4	0.02	40.5	2.8	5	2.02
	JN19039-060	88	89	0.94	0.45	0.55	6.4	8	-10	60	0.69	9.23			1.04	0.19	46.2	2.8	6	4.02
	JN19039-061	89	90	0.83	0.08	0.49	0.9	97	-10	30	0.65	35.5			1.13	0.02	51.1	2.6	5	3.75
	JN19039-062	90	91	0.92	0.13	0.38	3.3	11	-10	30	0.94	7.46			1.33	0.04	48.7	2.7	5	4.39
	JN19039-063	91	92	1	0.08	0.59	0.4	48	-10	50	0.54	20.9			0.87	0.02	52	2.8	8	2.95
	JN19039-064	92	93	0.75	0.05	0.68	0.2	10	-10	60	0.51	6.74			0.97	0.02	44.1	3	6	2.47
	JN19039-065	93	94	0.95	0.02	0.78	0.4	-5	-10	100	0.42	2.29			0.62	0.02	43.4	2.8	10	2.97
	JN19039-066	94	95	0.95	0.03	0.75	0.6	8	-10	80	0.46	3.06			0.86	0.04	46.4	2.9	7	2.63
	JN19039-067	95	96	0.91	0.07	0.66	0.7	181	-10	50	0.58	60.7			0.89	0.02	45.4	2.8	6	2.62
	JN19039-068	96	97	0.94	1.55	0.38	45	51	-10	30	0.69	56.3			1.07	0.56	38.3	2.3	6	2.06
	JN19039-069	97	98	0.96	0.78	0.36	0.8	55	-10	20	0.64	60.6			1.36	0.34	36.4	2.6	5	1.95
	JN19039-070	98	99	0.94	0.53	0.34	0.6	184	-10	30	0.55	52.1			1	0.04	34	2.3	6	2.92
	JN19039-071	99	99.62	0.57	8.03	0.24	1895	470	-10	30	0.68	265			1.02	1.25	29.2	2.7	4	2.92
	JN19039-072	99.62	101	1.37	0.33	0.37	3.3	12	-10	30	0.77	16.5			1.33	0.04	39.8	2.8	4	2.68
	JN19039-073	101	102	1	0.26	0.43	0.7	26	-10	50	0.48	13.2			1.02	0.03	41.7	2.6	5	3.38
JN19040	**JN19040-001**	**0**	**1.52**	**1.1**	**0.06**	**1.69**	**30.2**	**-5**	**-10**	**30**	**0.35**	**0.4**			**0.18**	**0.13**	**42**	**10.8**	**30**	**1.34**
	JN19040-002	1.52	3.05	1.52	0.09	0.76	34.8	10	-10	40	0.54	0.56			0.07	0.35	59.1	18.6	15	2.27
	JN19040-003	3.05	4.57	1.1	0.47	0.35	25.4	-5	-10	20	0.36	0.73			0.04	0.81	31	11.6	13	1.79

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Recovery (m)	Ag (ppm)	Al (pct)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Br (ppm)	C (pct)	Ca (pct)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)
	JN19040-004	4.57	6.1	1.1	0.21	0.38	63.7	15	10	30	0.37	0.7			0.03	0.58	31.3	15.6	11	2.64
	JN19040-005	6.1	7.62	1.52	0.51	0.33	41.3	11	10	20	0.27	0.75			0.06	0.52	20.8	10.1	9	1.58
	JN19040-006	7.62	9.14	1.1	0.21	0.26	20.9	6	-10	20	0.3	0.38			0.11	0.45	22.5	9.9	8	1.22
	JN19040-007	9.14	10.67	1.52	0.35	0.43	21.4	7	10	40	0.35	0.8			0.13	0.74	26.1	16.3	10	1.96
	JN19040-008	10.67	12.19	1.51	0.08	0.39	31.1	5	-10	30	0.33	0.24			0.13	0.16	30.8	9.1	12	1.6
	JN19040-009	12.19	13.72	0.85	0.1	0.25	18.9	13	-10	10	0.28	1.08			0.14	0.15	25.5	5.6	9	0.65
	JN19040-010	13.72	15.24	0.75	0.1	0.19	102	8	-10	10	0.15	0.22			0.08	0.25	17.45	4.2	6	0.71
	JN19040-011	15.24	16.76	0.75	0.08	0.16	15.7	8	-10	-10	0.12	0.36			0.06	0.07	18.25	4.3	6	0.61
	JN19040-012	16.76	18.29	0.75	0.04	0.17	16.2	-5	-10	10	0.09	0.07			0.04	0.03	16.15	3.4	5	0.42
	JN19040-013	18.29	19.81	0.75	0.03	0.16	3.8	-5	-10	10	0.08	0.04			0.04	0.04	16.15	1.8	4	0.52
	JN19040-014	19.81	21.34	0.75	0.03	0.22	4.7	-5	-10	10	0.12	0.03			0.05	0.05	17.6	2.3	6	0.53
	JN19040-015	21.34	22.86	0.75	0.05	0.16	2.3	5	-10	-10	0.11	0.21			0.07	0.05	15.2	3.1	7	0.36
	JN19040-016	22.86	24.38	0.75	0.03	0.2	6.8	-5	-10	10	0.11	0.05			0.08	0.05	20.7	2.9	5	0.45
	JN19040-017	24.38	25.91	0.75	0.06	0.27	11.7	-5	-10	20	0.14	0.13			0.12	0.05	21.1	6.3	6	0.7
	JN19040-018	25.91	27.43	0.75	0.03	0.2	4.1	-5	-10	10	0.11	0.05			0.06	0.06	20.1	2.5	6	0.49
	JN19040-019	27.43	28.96	0.75	0.03	0.17	7.3	-5	-10	-10	0.12	0.04			0.07	0.03	22.1	3	7	0.49
	JN19040-020	28.96	30.48	0.75	0.07	0.6	6.7	6	-10	60	0.89	0.41			0.32	0.03	31.9	17.5	13	1.57
	JN19040-021	30.48	32	0.75	0.07	0.86	6.2	6	-10	50	1.44	0.32			0.37	0.03	34.3	16.9	24	2.34
JN19041	**JN19041-001**	**0**	**1.52**	**0.7**	**0.07**	**1.98**	**23.6**	**-5**	**-10**	**40**	**0.36**	**0.25**			**0.13**	**0.13**	**48.6**	**11.2**	**32**	**0.75**
	JN19041-002	1.52	3.05	1.52	0.14	1.21	76.8	6	10	40	0.35	0.57			0.11	0.26	59.3	12	20	1.55
	JN19041-003	3.05	4.57	1.52	0.58	0.35	38.5	10	20	30	0.25	1.32			0.03	0.09	91.9	2.4	5	2.04
	JN19041-004	4.57	6.1	1.52	0.56	0.4	68.5	18	20	40	0.37	0.91			0.04	0.17	73.5	6	9	2.74
	JN19041-005	6.1	7.62	1.5	0.67	0.41	67.7	10	10	40	0.5	0.9			0.03	0.44	61	10.2	8	2.47
	JN19041-006	7.62	9.14	1.5	0.22	0.45	31.1	-5	20	40	0.34	0.43			0.09	0.56	37.5	12.6	13	1.53
	JN19041-007	9.14	10.67	1.1	0.21	0.54	35.3	-5	10	50	0.4	0.4			0.11	0.93	35.6	13.9	12	2.41
	JN19041-008	10.67	12.19	1	0.32	0.35	34.9	-5	30	30	0.29	0.42			0.11	1.73	35.3	6.7	7	1.62
	JN19041-009	12.19	13.72	1	0.34	0.45	47	7	20	30	0.34	0.48			0.12	0.55	34.7	10	10	1.88
	JN19041-010	13.72	15.24	0.6	0.37	0.49	50.9	7	20	30	0.41	0.54			0.12	0.64	36.7	10.7	12	1.95
	JN19041-011	15.24	16.76	0.6	0.15	0.3	22.9	5	10	20	0.21	0.44			0.07	0.28	25.2	5.2	7	1.12
	JN19041-012	16.76	18.29	0.6	0.07	0.21	16.1	-5	10	10	0.12	0.09			0.04	0.15	23.5	2	5	0.77
	JN19041-013	18.29	19.81	0.6	0.15	0.18	41.9	-5	10	10	0.11	0.13			0.04	0.26	16.95	2.6	4	0.77
	JN19041-014	19.81	21.34	0.6	0.12	0.25	70.1	-5	10	10	0.15	0.2			0.14	0.21	22.7	3.9	6	0.79
	JN19041-015	21.34	22.86	0.6	0.06	0.2	29.3	-5	10	10	0.11	0.09			0.07	0.11	22.2	2.6	6	0.6
	JN19041-016	22.86	24.38	0.6	0.07	0.18	24.6	-5	10	10	0.09	0.09			0.05	0.13	17.75	3.2	6	0.49
	JN19041-017	24.38	25.91	0.6	0.07	0.2	24.8	-5	10	10	0.1	0.11			0.07	0.11	17.05	3.5	6	0.59
	JN19041-018	25.91	27.43	0.6	0.11	0.22	27.4	-5	10	10	0.13	0.18			0.04	0.11	17.75	3.3	5	0.9
	JN19041-019	27.43	28.96	0.6	0.14	0.25	44.7	-5	10	20	0.16	0.22			0.04	0.29	17.95	2.1	5	0.97
	JN19041-020	28.96	30.48	0.6	0.66	0.19	91.1	19	10	10	0.14	0.65			0.04	4.04	15.75	2	5	0.86
	JN19041-021	30.48	32	0.6	0.15	0.23	14.5	5	10	10	0.15	0.14			0.06	0.39	21.9	1.9	8	0.68
	JN19041-022	32	33.53	0.6	0.11	0.16	14.1	5	10	10	0.16	0.68			0.11	0.12	16.7	2.7	5	0.6
	JN19041-023	33.53	35.05	0.75	0.19	0.16	14.3	-5	20	10	0.18	0.51			0.08	0.29	20.5	3.4	6	0.65
	JN19041-024	35.05	36.58	0.75	0.16	0.19	16.7	-5	10	10	0.25	0.34			0.1	0.24	23.2	4.8	7	0.73
	JN19041-025	36.58	38.1	0.75	0.12	0.27	61.3	-5	10	20	0.44	0.31			0.19	0.31	28.9	6.8	9	1.09
	JN19041-026	38.1	39.62	0.75																
JN19042	**JN19042-001**	**0**	**1.52**	**0.3**	**0.07**	**1.96**	**27.4**	**-5**	**-10**	**50**	**0.39**	**0.29**			**0.13**	**0.15**	**44.6**	**11.7**	**30**	**0.69**
	JN19042-002	1.52	3.05	0.35	0.13	1.68	27.9	-5	-10	40	0.4	0.43			0.09	0.13	31.7	11.7	27	0.88
	JN19042-003	3.05	4.57	1.52	0.08	1.68	47.3	-5	-10	100	0.59	0.35			0.26	0.22	42.3	14.5	29	1.99
	JN19042-004	4.57	6.1	1.2	1.09	0.33	41.6	9	20	20	0.26	1.86			0.03	0.1	63	2.7	8	0.96
	JN19042-005	6.1	7.62	1.2	1.47	0.18	27.9	10	40	10	0.16	2.31			0.02	0.07	50.2	2	8	0.81
	JN19042-006	7.62	9.14	1.52	1.42	0.16	20.2	8	40	20	0.15	1.86			0.02	0.08	66.3	3.3	7	0.81
	JN19042-007	9.14	10.67	0.75	0.89	0.24	45.3	6	30	30	0.2	1.21			0.02	0.32	62.8	2.8	5	1.06
	JN19042-008	10.67	12.19	1.1	0.73	0.3	57.1	7	20	30	0.25	1.06			0.06	0.44	39.6	6.9	7	1.61
	JN19042-009	12.19	13.72	1	0.33	0.47	43.5	-5	10	40	0.39	0.66			0.17	0.95	37.4	12.3	8	2.54
	JN19042-010	13.72	15.24	1	0.22	0.41	41.9	6	20	40	0.33	0.42			0.12	0.68	35.8	13.8	6	2.61
	JN19042-011	15.24	16.76	1	0.17	0.5	55.9	-5	10	40	0.53	0.56			0.12	0.88	34.6	16.3	17	4.4
	JN19042-012	16.76	18.29	1.1	0.42	0.27	201	22	20	20	0.27	0.97			0.05	0.4	33.6	9.5	7	2.21
	JN19042-013	18.29	19.81	1.1	0.27	0.39	41.7	6	10	20	0.4	0.69			0.1	0.87	34	10.9	15	2.75
	JN19042-014	19.81	21.34	1.1	0.75	0.36	56	10	20	30	0.34	1.23			0.12	2.89	30.7	12.1	8	2.61
	JN19042-015	21.34	22.86	1.1	1.3	0.3	61.7	9	30	30	0.26	1.48			0.16	3.71	26.5	8.6	6	1.69
	JN19042-016	22.86	24.38	1.1	0.55	0.42	86.8	7	20	40	0.32	0.81			0.33	1.67	33.7	12.9	7	2.28
	JN19042-017	24.38	25.91	1.1	0.79	0.43	78	7	10	50	0.29	1.31			0.3	2.14	28.9	14.2	7	2.18
	JN19042-018	25.91	27.43	1.1	0.61	0.43	74.7	7	10	40	0.3	0.95			0.43	1.99	31.7	13.4	6	2.24
	JN19042-019	27.43	28.96	1.1	1.93	0.4	182.5	79	10	40	0.27	4.09			0.25	6.74	27.2	9.7	5	1.94

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Recovery (m)	Ag (ppm)	Al (pct)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Br (ppm)	C (pct)	Ca (pct)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)
	JN19042-020	28.96	30.48	1.1	4.14	0.31	453	234	20	30	0.2	8.87			0.13	13.1	19	6.2	5	1.7
	JN19042-021	30.48	32	1.1	2.41	0.29	228	81	20	30	0.27	4.11			0.15	5.58	25.4	6.9	7	1.93
	JN19042-022	32	33.53	1.1	0.99	0.2	134.5	39	10	20	0.15	1.86			0.11	2.64	20.6	3.4	6	1.13
	JN19042-023	33.53	35.05	1.1	1	0.2	151	42	10	10	0.15	1.71			0.08	2.82	19.1	4.5	7	1.21
	JN19042-024	35.05	36.58	1.1	0.79	0.18	114	38	10	10	0.15	1.33			0.11	2.1	17.6	3.7	5	1.04
	JN19042-025	36.58	38.1	1.1	0.62	0.18	120	37	10	10	0.11	1.17			0.06	1.19	17.55	3.6	6	0.95
	JN19042-026	38.1	39.62	1.1	0.76	0.27	154	47	10	20	0.24	1.67			0.1	1.83	25.4	7	8	1.55
JN19043	**JN19043-001**	**0**	**1.52**	**0.6**	**0.05**	**1.89**	**34.1**	**-5**	**-10**	**50**	**0.42**	**0.28**			**0.11**	**0.16**	**53.6**	**11.7**	**32**	**0.8**
	JN19043-002	1.52	3.05	1.4	0.07	2.04	20.4	-5	-10	60	0.46	0.24			0.21	0.19	48.2	11.5	30	0.87
	JN19043-003	3.05	4.57	1.3	0.12	2.1	32.3	-5	-10	60	0.49	0.49			0.17	0.23	50.5	12.7	32	0.94
	JN19043-004	4.57	6.1	1.5	0.12	2.07	46.4	-5	-10	60	0.51	0.46			0.15	0.88	47.6	17.2	32	1.19
	JN19043-005	6.1	7.62	1.52	0.3	2.21	92.3	9	-10	70	0.59	1.85			0.12	0.47	50.2	22.6	32	2.1
	JN19043-006	7.62	9.14	1.52	0.15	1.01	71.6	-5	10	70	0.99	1.42			0.18	0.22	50.9	17.6	17	5.15
	JN19043-007	9.14	10.67	0.6	0.86	0.55	1110	9	10	40	0.43	10.1			0.11	0.18	41.1	11.8	12	3.55
	JN19043-008	10.67	12.19	0.75	0.6	0.47	1090	10	10	40	0.29	5.62			0.09	0.57	30.8	6.8	10	2.45
	JN19043-009	12.19	13.72	0.75	0.63	0.39	5230	14	10	30	0.23	6.56			0.17	0.42	25.4	12.8	11	1.75
	JN19043-010	13.72	15.24	0.35	0.08	0.57	239	-5	-10	30	0.43	0.76			0.12	0.06	30.5	11.1	16	2.24
	JN19043-011	15.24	16.76	0.5	0.14	0.42	48.7	-5	-10	20	0.26	0.81			0.26	0.08	25.6	6.3	12	1.8
	JN19043-012	16.76	18.29	0.6	0.09	0.19	62	-5	-10	10	0.1	0.36			0.15	0.13	15.65	3.1	13	1.04
	JN19043-013	18.29	19.05	0.76	0.13	0.18	289	-5	-10	10	0.11	0.76			0.07	0.18	17.45	2.7	12	0.88

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Cu (ppm)	Dy (ppm)	Er (ppm)	Eu (ppm)	Fe (pct)	Ga (ppm)	Gd (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	Ho (ppm)	In (ppm)	K (pct)	La (ppm)	Li (ppm)	Mg (pct)	Mn (ppm)
JN19020	**JN19020-001**	**24**	**25**	**64.2**				**5.49**	**4.15**		**0.1**	**0.22**	**10**		**0.035**	**0.14**	**36.4**	**8.3**	**0.2**	**913**
	JN19020-002	33.69	34.53	44.3				3.82	10.5		0.09	0.23	-10		0.023	0.81	25.4	85.9	0.7	407
	JN19020-003	50	50.99	31.4				1.46	13.1		0.07	0.19	-10		0.011	0.25	15.5	36.1	0.28	117
	JN19020-004	66.53	67.36	5.5				0.76	1.6		0.05	0.04	-10		0.015	0.02	9.3	4.4	0.1	190
	JN19020-005	67.36	67.9	6.8				1.21	2.38		0.06	0.08	-10		0.025	0.09	11.3	7.6	0.16	252
	JN19020-006	87	88	9.5				0.67	0.96		-0.05	0.04	-10		0.016	0.13	13.1	1.9	0.03	149
	JN19020-007	88	89	6.1				1.96	0.91		-0.05	0.05	-10		0.046	0.09	16.6	1.3	0.06	539
	JN19020-008	89	90	4.8				1.05	0.93		-0.05	0.06	-10		0.013	0.1	14.3	1.3	0.04	289
	JN19020-009	90	91	7.4				0.86	1.08		-0.05	0.09	-10		0.009	0.03	15.8	1.8	0.03	216
	JN19020-010	91	92	6.5				1.17	1.05		-0.05	0.06	-10		0.025	0.14	14.1	2.6	0.07	225
	JN19020-011	92	93	9.8				0.76	1.01		-0.05	0.08	10		0.163	0.09	12.7	1.9	0.03	192
	JN19020-012	93	94	31.7				1.54	1.25		-0.05	0.05	10		0.669	0.18	10.3	3.5	0.05	212
	JN19020-013	94	95	18.7				1.06	0.99		-0.05	0.03	-10		0.097	0.17	9	3.5	0.06	192
	JN19020-014	95	96	11.4				1.04	1.07		-0.05	0.06	-10		0.039	0.11	12.7	2.4	0.04	246
	JN19020-015	96	97	4.5				1.11	0.95		-0.05	0.07	-10		0.017	0.06	13.1	1.5	0.05	340
	JN19020-016	111.15	112.5	53.8				6.28	6.08		0.28	0.16	30		0.263	0.02	88.9	10.8	0.21	1920
	JN19020-017	112.5	114	166.5				5.56	3.95		0.11	0.25	70		0.082	0.11	45.5	7.6	0.21	1180
	JN19020-018	114	115.5	190				8.54	4.06		0.13	0.3	830		0.233	0.2	42.5	11.9	0.06	524
	JN19020-019	115.5	117	80.4				8.32	3.49		0.12	0.21	490		0.073	0.29	32.8	9.8	0.06	260
	JN19020-020	150	151.5	53.7				5.71	3.14		0.13	0.37	90		0.062	0.04	44.2	6	0.17	224
	JN19020-021	151.5	153	37.2				3.78	2.45		0.12	0.35	120		0.069	0.02	31.5	5.5	0.34	312
	JN19020-022	153	154.5	24.3				2.13	1.88		0.14	0.21	30		0.04	0.03	20.4	8.7	0.21	232
	JN19020-023	154.5	156	11.3				1.01	1.11		0.05	0.09	10		0.017	0.02	12	4.1	0.18	117
	JN19020-024	156	157.5	19.8				1.39	1.56		0.08	0.15	10		0.026	0.01	20.7	4.6	0.09	148
	JN19020-025	157.5	159	17.1				1.57	1.54		0.11	0.13	20		0.022	0.01	17.6	6.5	0.14	280
	JN19020-026	159	160	24.9				1.95	1.76		0.13	0.19	10		0.036	0.01	17.6	8.7	0.09	148
	JN19020-027	160	161	29.7				1.76	1.74		0.11	0.22	10		0.036	0.01	19.1	8.9	0.08	120
	JN19020-028	161	162	39.8				2.41	2.49		0.1	0.06	10		0.089	0.09	26.8	10.3	0.15	154
	JN19020-029	162	163	114.5				4.81	3.66		0.1	0.49	90		0.242	0.08	42.7	8.9	0.11	309
	JN19020-030	163	163.5	3200				18.7	7.6		0.27	0.34	170		5.86	0.1	25	9.3	0.15	1180
	JN19020-031	163.5	164	5710				30.7	16.35		5.38	0.22	10		7.97	0.04	21.3	3.7	0.09	1920
	JN19020-032	164	164.5	6790				34.7	8.68		2.34	0.16	30		2.21	0.05	15.9	2.9	0.1	1200
	JN19020-033	164.5	165	6570				29.7	4.3		1.27	0.05	110		2.15	0.01	5.4	2.6	0.11	672
	JN19020-034	165	165.5	4620				32.8	5.38		0.99	0.06	350		5.54	0.01	11.4	2.5	0.12	1300
	JN19020-035	165.5	166	4720				28.5	21.2		6.55	0.2	10		10.25	0.08	5.1	5.4	0.18	2110
	JN19020-036	166	166.89	3700				29.7	14.15		8.87	0.18	230		8.38	0.06	5	3.7	0.16	1540
	JN19020-037	166.89	168	76.7				24.3	5.48		0.28	0.26	100		9.35	0.02	18.2	4.6	0.53	7920
	JN19020-038	168	169	76				14.35	8.26		1.1	0.49	-10		4.1	0.04	43.1	8.4	0.22	4840
	JN19020-039	169	170	18.5				15	10.3		3.26	0.56	-10		4.08	0.02	6.7	5.7	0.14	4420
	JN19020-040	170	171	14.6				10.45	10.9		0.85	0.5	-10		3.34	0.04	32.6	29.8	0.3	3250
	JN19020-041	171	172	288				10.15	15.85		3.56	0.42	-10		3.01	0.19	10.8	17.9	0.15	2660
	JN19020-042	172	172.82	1685				20.5	11.4		1.87	0.49	20		4.69	0.1	9.8	9.4	0.23	3700
	JN19020-043	172.82	174	121.5				9.28	12.55		1.79	0.59	-10		2.31	0.12	24	17.6	0.16	2720
	JN19020-044	174	175	52.9				6.01	19.7		2.4	0.45	-10		1.5	0.26	14.7	17.8	0.16	1230
	JN19020-045	175	176	23.4				2.05	5.23		0.16	0.13	-10		0.083	0.18	26.3	19.1	0.23	281
	JN19020-046	176	177	19.5				1.76	4.89		0.12	0.12	-10		0.091	0.13	31.1	17.3	0.23	300
	JN19020-047	177	178.18	31.5				2.05	4.72		0.12	0.13	-10		0.121	0.12	24.7	17.1	0.23	367
	JN19020-048	178.33	179.46	713				21.2	10.95		1.75	0.22	10		4.44	-0.01	15.4	2.7	0.18	6160
	JN19020-049	179.46	180.44	70.8				30.9	13.2		1.57	0.23	-10		6.48	-0.01	13.8	4.1	0.37	11050
	JN19020-050	180.44	181	54.9				2.63	5.22		0.45	0.02	-10		1.165	0.02	2.6	1.2	0.05	1030
	JN19020-051	181	182	29.8				2.41	3.76		0.89	0.03	-10		0.418	0.02	0.7	1.6	0.05	865
	JN19020-052	182	183	35.5				2.75	7.58		0.87	0.08	50		0.464	0.05	5	6	0.12	912
	JN19020-053	183	184	19.2				2.62	7.32		0.98	0.08	-10		0.483	0.05	6.2	5	0.14	776
	JN19020-054	184	184.75	18.2				4.45	5.54		0.34	0.09	-10		0.589	0.04	10.3	6.7	0.16	1680
	JN19020-055	184.75	185.59	47.1				3.28	6.26		1.02	0.07	-10		0.597	0.04	3.9	3.5	0.14	867
	JN19020-056	185.59	186.29	70.1				3.68	3.29		0.05	0.14	20		0.032	0.39	21.4	20.6	0.54	1040
	JN19020-057	186.29	187	66				3.21	2.68		0.05	0.1	10		0.037	0.4	16.8	17.9	0.48	468
	JN19020-058	187	189	46				3.42	3.09		0.05	0.14	30		0.016	0.45	14.6	23.4	0.62	524
	JN19020-059	189	190	21.4				2.97	3.28		0.05	0.07	10		0.016	0.57	15.9	33.7	0.71	467
	JN19020-060	190	191	28.8				3.97	1.9		-0.05	0.08	-10		0.022	0.33	15.9	11.5	0.79	611
	JN19020-061	191	192	63				3.79	2.16		-0.05	0.09	30		0.126	0.44	13	13.9	0.5	514
	JN19020-062	192	193	52.6				3.12	1.93		-0.05	0.08	-10		0.046	0.42	12	11.9	0.5	659
	JN19020-063	193	194	43.3				4.02	2.78		0.05	0.1	10		0.123	0.49	14.4	24.2	0.76	608
	JN19020-064	194	195	38.9				3.52	3.02		0.05	0.08	10		0.025	0.36	17.7	18.6	0.64	649

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Cu (ppm)	Dy (ppm)	Er (ppm)	Eu (ppm)	Fe (pct)	Ga (ppm)	Gd (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	Ho (ppm)	In (ppm)	K (pct)	La (ppm)	Li (ppm)	Mg (pct)	Mn (ppm)
	JN19020-065	195	196	32.3				3.91	3.14		0.06	0.1	20		0.02	0.32	15.7	14.3	0.44	549
	JN19020-066	196	197	43.3				2.36	1.79		-0.05	0.07	30		0.045	0.2	9.8	6.5	0.32	561
	JN19020-067	197	198	37.8				1.38	0.84		-0.05	0.03	30		0.039	0.1	10	2.8	0.17	302
	JN19020-068	198	199	27.7				1.44	1.4		-0.05	0.07	30		0.025	0.15	13.1	4.7	0.15	306
	JN19020-069	199	200	14.4				1.3	1		-0.05	0.03	30		0.022	0.06	15.2	2.4	0.1	218
	JN19020-070	200	201	25.5				2	1.47		-0.05	0.07	60		0.019	0.16	14.5	6.6	0.16	369
	JN19020-071	201	202	39.7				3.01	1.78		-0.05	0.06	10		0.062	0.28	9.1	9.3	0.48	649
	JN19020-072	202	203	26.2				2.06	1.55		-0.05	0.07	20		0.025	0.16	8.8	6	0.19	436
	JN19020-073	203	204	10.5				0.98	1.04		-0.05	0.06	40		0.019	0.05	15.3	2.2	0.07	233
	JN19020-074	204	205	5.5				1.3	1.21		0.05	0.06	60		0.012	0.05	15.7	3.4	0.02	56
	JN19020-075	205	206	11.7				1.35	1.27		-0.05	0.08	20		0.018	0.03	12.7	2.9	0.07	322
	JN19020-076	206	207	20.1				1.27	1.22		0.05	0.07	-10		0.018	0.02	13	2.8	0.06	304
	JN19020-077	207	208	17.5				1.61	1.69		-0.05	0.08	-10		0.015	0.07	13.6	4.6	0.09	366
	JN19020-078	208	209	36.4				2.27	2.23		-0.05	0.1	-10		0.026	0.14	18.9	7.2	0.18	523
	JN19020-079	209	210	49.6				3.85	2.36		-0.05	0.08	40		0.061	0.32	11.4	10	0.34	777
	JN19020-080	210	211	53				3.75	2.41		-0.05	0.08	10		0.044	0.37	12.3	13.1	0.51	732
	JN19020-081	211	212	49.1				3.12	3.18		0.05	0.1	10		0.044	0.17	22.9	9.7	0.25	677
	JN19020-082	212	213	35.3				1.48	1.96		0.05	0.11	-10		0.027	0.12	22.1	6.3	0.1	377
	JN19020-083	213	214	31.8				2.04	1.66		-0.05	0.09	10		0.031	0.12	13.2	5.3	0.2	433
	JN19020-084	214	215	36.7				3.07	1.86		-0.05	0.07	-10		0.032	0.23	8.9	6.6	0.35	572
	JN19020-085	215	216.5	14				1.72	1.85		0.05	0.05	-10		0.008	0.11	17	4.5	0.11	324
	JN19020-086	216.5	218	28.2				3.85	3.73		0.05	0.08	-10		0.02	0.27	22.5	17	0.25	654
	JN19020-087	218	219.5	39.5				4.43	3.85		0.05	0.13	10		0.023	0.34	16	18.1	0.42	793
	JN19020-088	219.5	220.5	32.4				3.75	2.89		-0.05	0.08	10		0.025	0.42	12.3	18.6	0.59	555
	JN19020-089	220.5	222	40.8				1.76	2.56		0.06	0.05	-10		0.019	0.24	16.5	16.8	0.36	360
JN19021	**JN19021-001**	**16**	**17**	**84**				**2.39**	**1.04**		**-0.05**	**0.08**	**30**		**0.042**	**0.06**	**14.5**	**1.7**	**0.08**	**465**
	JN19021-002	17	18	25				1.24	0.73		-0.05	0.04	20		0.044	0.11	10.4	1.9	0.06	277
	JN19021-003	18	19	20.4				2.25	0.59		-0.05	0.03	40		0.066	0.12	6.2	1.3	0.03	184
	JN19021-004	19	20	18.2				0.51	0.49		-0.05	0.04	20		0.048	0.08	7.5	0.9	0.01	194
	JN19021-005	20	21	6.3				0.46	0.33		-0.05	0.02	20		0.027	0.07	5.8	1	0.01	101
	JN19021-006	21	22	15.5				0.58	0.77		-0.05	0.04	30		0.015	0.13	11	1.6	0.02	193
	JN19021-007	22	23	11.4				0.57	0.79		-0.05	0.05	30		0.02	0.08	12	1.6	0.02	164
	JN19021-008	23	24.5	10.2				0.78	0.96		-0.05	0.08	30		0.014	0.11	14.8	1.9	0.03	136
	JN19021-009	24.5	26	19.1				1.03	0.51		-0.05	0.03	50		0.039	0.08	6.7	1.1	0.02	111
	JN19021-010	204	205.5	51				5.13	3.23		0.07	0.29	40		0.286	0.19	32.5	8.6	0.15	1180
	JN19021-011	205.5	207	54.1				12.05	3.28		0.11	0.47	230		3.27	0.04	43.6	5.5	0.36	4160
	JN19021-012	207	208.5	62.9				2.72	2.58		0.09	0.41	90		0.242	0.02	49.9	5.5	0.23	361
	JN19021-013	208.5	210	32.4				3.01	2.29		0.07	0.38	40		0.23	0.02	33.4	5.1	0.1	460
	JN19021-014	210	211.5	40				3.75	1.84		0.06	0.25	40		0.392	0.02	26.3	4.2	0.41	771
	JN19021-015	211.5	213	54.1				4.17	1.92		0.08	0.38	40		0.33	0.02	24.9	4.2	0.66	864
	JN19021-016	213	214.5	34				2.49	1.78		0.05	0.15	40		0.143	0.09	20.7	4.2	0.03	146
	JN19021-017	214.5	216	24.2				2.25	1.58		0.06	0.12	80		0.154	0.09	26.1	3.8	0.02	213
	JN19021-018	216	217	24.2				0.91	1.26		-0.05	0.07	30		0.125	0.07	20.5	2.4	0.01	33
	JN19021-019	217	218.5	55.6				2.13	1.37		0.05	0.1	40		0.113	0.04	21.1	2.4	0.01	156
	JN19021-020	218.5	220	759				13.55	1.57		0.1	0.08	410		0.241	0.08	16.3	3.7	0.03	81
	JN19021-021	220	221.5	212				3.33	1.35		0.06	0.07	80		0.182	0.07	20.3	2.9	0.01	42
	JN19021-022	221.5	223	202				5.67	1.42		0.06	0.11	190		0.299	0.05	16.6	3.4	0.01	53
	JN19021-023	223	224.5	32.6				4.51	2.24		0.08	0.26	80		0.187	0.02	27	6.5	0.02	145
	JN19021-024	224.5	226	44.5				3.64	2.31		0.08	0.42	30		0.107	0.01	25.9	6.7	0.02	170
	JN19021-025	226	227.5	29.8				2.32	1.84		0.12	0.2	10		0.036	0.01	22.5	5.8	0.06	91
	JN19021-026	227.5	230	17.2				1.42	1.34		0.09	0.17	-10		0.019	0.01	18.5	6.9	0.12	106
	JN19021-027	230	231.5	21				1.4	1.71		0.12	0.21	-10		0.018	0.02	31.2	7.3	0.17	133
	JN19021-028	231.5	233	2.9				0.29	0.33		-0.05	0.02	10		-0.005	0.01	3.1	1.6	0.22	63
	JN19021-029	233	234.5	7.8				0.83	0.77		0.11	0.05	-10		0.008	0.01	8.2	3.7	0.24	139
	JN19021-030	234.5	236	24				2.38	2.06		0.1	0.14	40		0.034	0.05	29.2	11.1	0.11	231
	JN19021-031	236	237.5	19.2				1.74	1.14		0.06	0.1	70		0.031	0.02	14.3	6.5	0.1	145
	JN19021-032	237.5	239	16.7				10.1	6.07		1.61	0.57	80		4.83	0.03	33.2	10	0.21	3540
	JN19021-033	239	240.16	87				7.59	7.86		1.77	0.84	30		4.39	0.02	51.8	10.6	0.13	2680
	JN19021-034	240.16	242	232				4.91	3.88		0.57	0.31	90		1.295	0.03	55.3	17.1	0.1	623
	JN19021-035	242	243.5	14.8				5.96	7.95		1.18	0.68	20		2.61	0.04	40	12.2	0.11	2190
	JN19021-036	243.5	246	27.6				8.71	9.98		2.03	0.77	10		5.64	0.01	42.4	4.4	0.11	3250
	JN19021-037	246	247	1935				38.1	11.35		4.28	0.14	10		6.2	-0.01	8.2	3.4	0.27	2040
	JN19021-038	247	248	7010				44	19.2		9.08	0.13	20		4.57	0.03	7	3.7	0.09	1160
	JN19021-039	248	249	6590				46.5	39		20.3	0.3	40		3.8	0.32	13.9	49.9	0.58	738

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Cu (ppm)	Dy (ppm)	Er (ppm)	Eu (ppm)	Fe (pct)	Ga (ppm)	Gd (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	Ho (ppm)	In (ppm)	K (pct)	La (ppm)	Li (ppm)	Mg (pct)	Mn (ppm)
	JN19021-040	249	249.58	4480				41.5	27.1		11.05	0.26	10		1.61	0.56	3.6	145	0.53	284
	JN19021-041	249.58	250.5	3480				19.5	17.3		5.1	0.27	20		4.61	0.07	7.1	4.4	0.12	1060
	JN19021-042	250.5	251.15	3860				11.85	9.57		4.31	0.08	-10		2.27	0.05	4.3	3	0.1	840
	JN19021-043	251.15	252.45	7130				15.65	24.5		4.65	0.34	10		4.21	0.2	7.5	11.9	0.16	784
	JN19021-044	252.45	253	1355				16.55	13.75		1.84	0.16	20		0.623	0.23	9.2	22.1	0.25	557
	JN19021-045	253	253.84	5880				9.07	18.45		0.67	0.12	80		1.15	0.48	15.1	75	0.82	686
	JN19021-046	253.84	255	47				2.9	8.22		0.15	0.18	20		0.018	1.11	25.6	106.5	0.95	223
	JN19021-047	255	256	30.4				3.56	8.7		0.13	0.15	-10		0.021	1.34	20.3	103	1.1	363
	JN19021-048	256	257	29.3				2.51	6.12		0.14	0.14	10		0.012	1.03	26.7	81.9	0.8	200
	JN19021-049	257	258	27.2				3.46	6.29		0.12	0.14	-10		0.008	1.03	22	77.9	0.81	206
	JN19021-050	258	259	30.7				3.27	7.02		0.11	0.13	-10		0.014	1.25	23.1	79.2	0.8	228
	JN19021-051	259	260	28.7				2.67	6.15		0.11	0.13	-10		0.01	1.17	16.6	64.6	0.76	168
	JN19021-052	260	261	29.9				2.74	7.86		0.13	0.12	10		0.017	1.16	19.3	68.6	0.91	196
	JN19021-053	261	262.5	16.6				1.02	3.97		0.09	0.05	-10		0.01	0.22	12.2	26	0.37	110
	JN19021-054	262.5	264	57.9				1.71	4.34		0.09	0.08	10		0.029	0.38	13.3	33.8	0.47	152
	JN19021-055	264	265.5	33.5				1.31	3.57		0.08	0.05	-10		0.01	0.33	14.1	26.1	0.37	110
	JN19021-056	265.5	267	149.5				2.9	5.04		0.07	0.07	-10		0.025	0.59	12	41.6	0.48	244
	JN19021-057	267	268.5	147.5				3.28	3.82		0.08	0.11	-10		0.019	0.6	19.2	30.8	0.5	283
	JN19021-058	268.5	270	23.5				3.18	2.53		0.07	0.07	-10		0.01	0.24	15.3	9.1	0.29	361
	JN19021-059	270	271.5	74.7				2.31	3.63		0.07	0.06	10		0.017	0.29	13.1	20	0.35	243
	JN19021-060	271.5	273	33.1				2.6	4.97		0.1	0.08	10		0.011	0.64	14.9	45.1	0.64	271
	JN19021-061	273	274.5	18.6				3.36	5.43		0.1	0.12	-10		0.01	0.98	18.1	63.5	0.73	314
	JN19021-062	274.5	276	61.9				3.56	6.06		0.09	0.09	-10		0.022	0.81	15.7	59.7	0.67	311
	JN19021-063	276	277.5	24.9				2.84	6.44		0.11	0.1	-10		0.014	0.86	19.4	65.3	0.7	227
	JN19021-064	277.5	279	22.7				1.97	5.36		0.08	0.05	-10		0.008	0.52	17.7	42.8	0.5	154
	JN19021-065	279	280.5	15.6				1.23	3.65		0.09	0.04	-10		0.008	0.27	16.5	20.9	0.33	105
	JN19021-066	280.5	282	4.6				0.83	2.36		0.08	0.04	-10		-0.005	0.1	13	14.3	0.22	91
	JN19021-067	282	283.5	23.4				2.49	4.42		0.08	0.07	-10		0.008	0.46	16.4	42.3	0.49	146
	JN19021-068	283.5	285	15.4				1.67	4.33		0.09	0.06	-10		0.009	0.42	16.3	41.2	0.4	118
	JN19021-069	285	286.5	6				0.94	2.34		0.06	0.03	-10		0.005	0.1	14	14.1	0.19	101
	JN19021-070	286.5	288	7.7				0.87	1.98		0.07	0.04	10		-0.005	0.08	12.3	12.3	0.21	92
	JN19021-071	288	289.5	22.8				2.29	4.29		0.08	0.08	-10		0.009	0.54	16.3	45.8	0.5	148
	JN19021-072	289.5	291	33.3				3.22	5.13		0.07	0.09	-10		0.015	0.73	13.8	65.3	0.66	200
	JN19021-073	291	292	39.4				3.28	6.89		0.08	0.05	-10		0.018	0.84	14.9	69.4	0.7	258
JN19022	**JN19022-001**	**0**	**1.52**	**17.4**				**3.48**	**4.95**		**0.06**	**0.03**	**10**		**0.022**	**0.11**	**23.3**	**45.8**	**0.55**	**472**
	JN19022-002	1.52	3.05	23.2				3.73	4.33		0.06	0.03	10		0.021	0.08	26.7	47.9	0.55	482
	JN19022-003	3.05	4.57	14				1.81	1.39		-0.05	0.06	10		0.011	0.08	18.2	9.6	0.12	284
	JN19022-004	4.57	6.1	12.9				1.48	0.84		-0.05	0.08	10		0.015	0.08	17.9	2.4	0.04	290
	JN19022-005	6.1	7.62	15.9				2.12	1.48		0.08	0.07	-10		0.032	0.14	43.3	2.3	0.05	487
	JN19022-006	7.62	9.14	23.4				2.04	0.89		-0.05	0.06	-10		0.023	0.09	18.3	2.3	0.03	319
	JN19022-007	9.14	10.67	20				1.5	0.65		-0.05	0.05	10		0.025	0.07	11.7	1.4	0.02	263
	JN19022-008	10.67	12.19	32.9				2.01	0.99		-0.05	0.06	10		0.019	0.08	15.6	1.9	0.03	375
	JN19022-009	12.19	13.72	14.3				1.45	0.73		-0.05	0.05	10		0.016	0.07	12.7	1.7	0.05	239
	JN19022-010	13.72	15.24	9				2.34	0.68		-0.05	0.08	-10		0.014	0.06	12.2	1.7	0.09	590
	JN19022-011	15.24	16.76	13.1				1.43	0.68		-0.05	0.07	10		0.013	0.06	12.7	1.1	0.05	252
	JN19022-012	16.76	18.29	16.4				0.97	0.59		-0.05	0.06	-10		0.011	0.04	12.6	1	0.03	134
	JN19022-013	18.29	19.81	21.5				2.63	0.91		-0.05	0.09	-10		0.02	0.08	12.7	1.3	0.08	399
	JN19022-014	19.81	21.34	8.5				2.08	0.58		-0.05	0.08	-10		0.012	0.04	11.2	0.8	0.06	340
	JN19022-015	21.34	22.86	5.9				1.8	0.61		-0.05	0.07	-10		0.009	0.05	13	0.8	0.05	273
	JN19022-016	22.86	24.38	11.9				1.61	0.57		0.05	0.08	-10		0.012	0.06	10.4	0.9	0.04	138
	JN19022-017	24.38	25.91	26.7				1.26	0.69		0.05	0.07	10		0.013	0.08	13.1	0.9	0.03	126
	JN19022-018	25.91	27.43	19.5				2.74	0.94		0.06	0.16	-10		0.013	0.11	18.4	0.9	0.08	314
	JN19022-019	27.43	28.96	7.9				1.5	0.53		-0.05	0.09	-10		0.009	0.06	11.3	0.9	0.04	181
	JN19022-020	28.96	30.48	8.8				1.18	0.52		0.05	0.07	-10		0.007	0.05	11.4	0.6	0.03	121
JN19023	**JN19023-001**	**0**	**1.52**	**16.7**				**3.42**	**4.28**		**0.08**	**0.03**	**-10**		**0.018**	**0.12**	**19.9**	**38.1**	**0.54**	**518**
	JN19023-002	1.52	3.04	26.5				3.01	3.34		0.07	0.11	10		0.015	0.1	24.4	33.8	0.4	411
	JN19023-003	3.04	4.57	16.1				1.63	0.9		0.06	0.07	-10		0.012	0.09	20.5	2	0.03	244
	JN19023-004	4.57	6.1	14.4				1.69	0.72		0.07	0.09	-10		0.017	0.09	21.8	1	0.02	312
	JN19023-005	6.1	7.62	11.7				1.59	0.73		0.05	0.09	-10		0.013	0.08	16.5	0.9	0.01	151
	JN19023-006	7.62	9.14	8.4				1.41	0.58		-0.05	0.07	-10		0.024	0.04	15.2	1	0.03	405
	JN19023-007	9.14	10.67	12.5				1.39	0.64		-0.05	0.06	-10		0.014	0.06	12.1	1.5	0.04	157
	JN19023-008	10.67	12.19	10.1				1.31	0.84		0.06	0.07	-10		0.013	0.06	17.6	1.5	0.09	217
	JN19023-009	12.19	13.72	17.2				1.16	0.9		0.07	0.08	-10		0.017	0.06	20.1	1.4	0.07	145

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Cu (ppm)	Dy (ppm)	Er (ppm)	Eu (ppm)	Fe (pct)	Ga (ppm)	Gd (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	Ho (ppm)	In (ppm)	K (pct)	La (ppm)	Li (ppm)	Mg (pct)	Mn (ppm)
	JN19023-010	13.72	15.24	8.9				1.19	0.68		0.05	0.07	-10		0.014	0.07	17.3	1.2	0.07	179
	JN19023-011	15.24	16.76	2.3				1.02	0.64		0.05	0.05	-10		0.015	0.08	17	1.3	0.05	201
	JN19023-012	16.76	18.29	24.3				2.25	0.64		0.06	0.07	-10		0.019	0.1	12.3	1.5	0.07	264
	JN19023-013	18.29	19.81	17.6				1.76	0.69		0.05	0.08	-10		0.015	0.07	12.3	1.1	0.1	287
	JN19023-014	19.81	21.34	24.7				2	0.76		-0.05	0.11	-10		0.018	0.13	12.2	1.2	0.08	262
	JN19023-015	21.34	22.86	6.5				1.28	0.74		0.05	0.08	10		0.012	0.11	17.5	1	0.06	203
	JN19023-016	22.86	24.38	2				1.05	0.69		0.06	0.07	-10		0.011	0.07	16.4	1.1	0.05	126
	JN19023-017	24.38	25.91	13				1.25	0.83		0.06	0.09	-10		0.013	0.07	21.2	1.2	0.06	151
	JN19023-018	25.91	27.43	9.2				1.06	0.64		0.05	0.08	-10		0.01	0.05	14.3	1	0.05	140
	JN19023-019	27.43	28.96	20.2				1.36	0.75		0.06	0.08	-10		0.011	0.07	17.2	1.3	0.07	172
	JN19023-020	28.96	30.48	20.5				1.65	0.82		0.05	0.08	-10		0.013	0.07	18.9	1.3	0.08	210
JN19024	**JN19024-001**	**0**	**1.52**	**9.1**				**1.68**	**1.93**		**-0.05**	**-0.02**	**10**		**0.012**	**0.08**	**11.5**	**13.8**	**0.2**	**387**
	JN19024-002	1.52	3.05	17.5				3.07	4.22		0.06	0.02	20		0.014	0.1	18.5	39.5	0.51	402
	JN19024-003	3.05	4.57	20.1				2.68	2.68		0.06	0.03	10		0.015	0.07	17.7	22.9	0.28	415
	JN19024-004	4.57	6.1	16.5				1.87	1.3		0.05	0.04	10		0.021	0.07	16.2	7.3	0.1	304
	JN19024-005	6.1	7.62	15.2				1.63	0.82		-0.05	0.04	-10		0.013	0.06	16.1	2.8	0.04	203
	JN19024-006	7.62	9.14	12.2				1.6	0.87		-0.05	0.06	10		0.019	0.08	15.3	1.9	0.03	234
	JN19024-007	9.14	10.67	9.6				1.72	0.71		-0.05	0.06	-10		0.014	0.06	14.3	1.1	0.02	312
	JN19024-008	10.67	12.19	8.5				1.1	0.98		-0.05	0.06	-10		0.019	0.1	17.1	1.8	0.03	302
	JN19024-009	12.19	13.72	32.9				1.65	0.85		-0.05	0.06	-10		0.025	0.09	13.2	1.4	0.05	199
	JN19024-010	13.72	15.24	49.5				3.1	1.14		-0.05	0.06	10		0.031	0.09	14.1	2.9	0.19	531
	JN19024-011	15.24	16.76	56				4.81	2.2		0.06	0.09	10		0.048	0.14	20.7	3.2	0.36	551
	JN19024-012	16.76	18.29	30.9				3.2	1.58		-0.05	0.09	-10		0.026	0.12	17.4	1.6	0.23	414
	JN19024-013	18.29	19.81	21.4				3.38	1.29		-0.05	0.1	10		0.022	0.11	15.6	2	0.19	570
	JN19024-014	19.81	21.34	12.4				1.75	0.87		-0.05	0.07	10		0.018	0.08	14.1	1.2	0.09	310
	JN19024-015	21.34	22.86	7.3				1.3	0.62		-0.05	0.08	-10		0.012	0.06	10.3	1	0.05	201
	JN19024-016	22.86	24.38	4.6				1.36	0.6		-0.05	0.07	10		0.011	0.05	10.2	1.1	0.05	250
	JN19024-017	24.38	25.91	8.3				1.46	0.7		-0.05	0.07	10		0.012	0.06	11.4	1.1	0.04	142
	JN19024-018	25.91	27.43	9.2				1.22	0.68		-0.05	0.07	10		0.015	0.07	12.1	1.4	0.05	177
	JN19024-019	27.43	28.96	23.3				1.87	0.89		-0.05	0.1	-10		0.021	0.09	12.7	1.5	0.09	339
	JN19024-020	28.96	30.48	16.3				2.87	0.97		-0.05	0.1	-10		0.016	0.1	12.6	1.6	0.17	578
JN19025	**JN19025-001**	**0**	**1.52**	**20**				**3.52**	**4.16**		**0.05**	**0.02**	**10**		**0.017**	**0.1**	**23.9**	**31.9**	**0.51**	**591**
	JN19025-002	1.52	3.05	20.2				2.11	1.45		-0.05	0.04	10		0.012	0.13	27.5	4.2	0.09	291
	JN19025-003	3.05	4.57	16.2				2.14	1.22		0.06	0.06	10		0.016	0.12	35.1	1.4	0.04	243
	JN19025-004	4.57	6.1	16.1				1.78	1		-0.05	0.06	-10		0.013	0.12	28.8	0.9	0.02	137
	JN19025-005	6.1	7.62	19.8				2.02	1.21		0.05	0.07	10		0.022	0.13	27.5	1.4	0.03	241
	JN19025-006	7.62	9.14	24.1				2.03	0.72		-0.05	0.07	-10		0.022	0.09	13.8	1.2	0.05	488
	JN19025-007	9.14	10.67	12.5				2.02	0.98		-0.05	0.07	-10		0.023	0.13	24.5	1.6	0.12	394
	JN19025-008	10.67	12.19	6.6				1.21	0.69		-0.05	0.06	-10		0.012	0.06	14.1	1.5	0.06	148
	JN19025-009	12.19	13.71	7.1				1.45	0.71		-0.05	0.07	-10		0.01	0.06	14.8	1.7	0.09	202
	JN19025-010	13.71	15.24	9.7				1.39	0.59		-0.05	0.04	-10		0.011	0.07	13	1.2	0.06	175
	JN19025-011	15.24	16.76	8.8				1.39	0.68		-0.05	0.09	-10		0.009	0.09	12.3	1.2	0.08	182
	JN19025-012	16.76	18.29	8.3				1.61	0.62		-0.05	0.08	-10		0.009	0.07	13.2	1.2	0.12	208
	JN19025-013	18.29	19.81	7.2				1.56	0.63		-0.05	0.08	-10		0.011	0.06	13	1.3	0.11	207
	JN19025-014	19.81	21.34	9.1				1.55	0.61		-0.05	0.07	-10		0.012	0.06	13.2	1.4	0.11	201
	JN19025-015	21.34	22.86	12.3				1.68	0.73		-0.05	0.08	-10		0.014	0.06	15	1.6	0.12	221
	JN19025-016	22.86	24.38	13.3				1.7	0.65		-0.05	0.07	-10		0.012	0.06	13.8	1.2	0.11	237
	JN19025-017	24.38	25.91	16.8				1.8	0.64		-0.05	0.07	-10		0.012	0.06	13.8	1.2	0.13	228
	JN19025-018	25.91	27.43	16.2				2.06	0.89		-0.05	0.09	-10		0.016	0.09	17.8	2	0.2	267
	JN19025-019	27.43	28.96	19				2.72	1.19		-0.05	0.09	-10		0.02	0.1	17.1	5.1	0.36	317
	JN19025-020	28.96	30.48	19.3				3.16	1.62		-0.05	0.08	-10		0.019	0.11	18.4	6.1	0.64	373
JN19026	**JN19026-001**	**0**	**1.52**	**16.2**				**3.43**	**4.19**		**0.06**	**0.03**	**10**		**0.021**	**0.11**	**20.2**	**39.4**	**0.51**	**564**
	JN19026-002	1.52	3.05	24.6				3.53	3.67		0.07	0.03	-10		0.017	0.07	22	41.4	0.5	452
	JN19026-003	3.05	4.57	18.3				2.49	1.5		0.06	0.07	-10		0.02	0.09	26.6	8.1	0.12	372
	JN19026-004	4.57	6.1	10.8				1.94	1		0.06	0.07	-10		0.023	0.1	29.9	2.2	0.05	283
	JN19026-005	6.1	7.62	13				1.52	0.95		0.07	0.07	-10		0.017	0.11	31.5	1.4	0.03	194
	JN19026-006	7.62	9.14	8.7				2.07	0.99		-0.05	0.08	-10		0.011	0.12	21.3	1.7	0.02	311
	JN19026-007	9.14	10.69	15.4				2.05	0.67		-0.05	0.06	-10		0.012	0.07	11.7	0.6	0.02	347
	JN19026-008	10.69	12.19	7.1				1.88	0.69		-0.05	0.08	-10		0.01	0.07	11.8	1.6	0.11	311
	JN19026-009	12.19	13.72	5.9				1.53	0.69		-0.05	0.05	-10		0.011	0.06	12.8	1.6	0.11	181
	JN19026-010	13.72	15.24	3.7				1.32	0.59		-0.05	0.05	-10		0.008	0.05	10.8	1.4	0.1	164
	JN19026-011	15.24	16.76	5.9				1.53	0.58		-0.05	0.05	-10		0.009	0.05	11.8	1.4	0.12	220

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Cu (ppm)	Dy (ppm)	Er (ppm)	Eu (ppm)	Fe (pct)	Ga (ppm)	Gd (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	Ho (ppm)	In (ppm)	K (pct)	La (ppm)	Li (ppm)	Mg (pct)	Mn (ppm)
	JN19026-012	16.76	18.29	7.7				1.43	0.59		-0.05	0.06	-10		0.008	0.04	13.8	1.2	0.1	173
	JN19026-013	18.29	19.81	6.7				1.24	0.68		-0.05	0.05	-10		0.016	0.08	16.8	1.4	0.08	166
	JN19026-014	19.81	21.34	11.4				1.97	0.47		-0.05	0.06	-10		0.012	0.04	10.4	0.8	0.08	239
	JN19026-015	21.34	22.86	8.3				1.32	0.41		-0.05	0.05	-10		0.01	0.04	9.4	0.8	0.07	175
	JN19026-016	22.86	24.38	16				1.32	0.5		-0.05	0.06	-10		0.008	0.05	10.3	0.8	0.06	171
	JN19026-017	24.38	25.91	20.6				1.9	0.78		-0.05	0.09	-10		0.01	0.1	17.6	1	0.14	237
	JN19026-018	25.91	27.43	7.3				1.3	0.7		-0.05	0.06	-10		0.009	0.07	12.7	1	0.09	159
	JN19026-019	27.43	28.96	7.6				1.43	0.48		-0.05	0.04	-10		0.011	0.04	9.2	0.7	0.08	236
	JN19026-020	28.96	30.48	7				1.31	0.47		-0.05	0.05	-10		0.008	0.04	10	0.8	0.08	226
JN19027	**JN19027-001**	**0**	**1.52**	**17.5**				**2.87**	**3.28**		**0.06**	**0.02**	**-10**		**0.016**	**0.08**	**17.6**	**34.1**	**0.43**	**433**
	JN19027-002	1.52	3.05	18.5				2.19	1.66		0.05	0.07	-10		0.012	0.07	20.8	12.2	0.16	290
	JN19027-003	3.05	4.57	21.6				2.17	0.97		0.05	0.09	-10		0.012	0.1	22.3	2.4	0.04	314
	JN19027-004	4.57	6.1	9.6				1.11	0.52		-0.05	0.05	-10		0.014	0.05	15	0.7	0.01	162
	JN19027-005	6.1	7.62	20.2				1.32	0.55		-0.05	0.06	-10		0.016	0.06	14.3	0.9	0.01	267
	JN19027-006	7.62	9.14	11.7				1.84	0.83		-0.05	0.08	-10		0.015	0.09	17.1	2	0.13	299
	JN19027-007	9.14	10.67	9.7				1.32	0.95		0.05	0.09	-10		0.015	0.1	17.4	2.6	0.12	230
	JN19027-008	10.67	12.19	7.9				1.18	0.64		-0.05	0.05	10		0.009	0.06	12.1	2.3	0.09	252
	JN19027-009	12.19	13.72	6.5				1.03	0.51		-0.05	0.06	-10		0.007	0.05	9.9	1.2	0.06	195
	JN19027-010	13.72	15.24	12.5				1.18	0.54		-0.05	0.05	-10		0.01	0.05	11.3	1.5	0.04	153
	JN19027-011	15.24	16.76	12.1				1.34	0.66		-0.05	0.06	-10		0.012	0.07	13	1.7	0.08	230
	JN19027-012	16.76	18.29	9.9				1.46	0.68		-0.05	0.07	-10		0.011	0.07	13.2	1.3	0.1	224
	JN19027-013	18.29	19.81	12.2				1.6	0.75		-0.05	0.08	-10		0.012	0.08	15.4	1.3	0.12	201
	JN19027-014	19.81	21.34	17.3				1.4	0.95		0.05	0.09	10		0.009	0.11	19.9	1.2	0.1	182
	JN19027-015	21.34	22.86	26.9				2.09	1.02		0.05	0.11	-10		0.016	0.11	20.2	1.4	0.17	284
	JN19027-016	22.86	24.38	18.8				2.29	0.87		0.05	0.09	-10		0.014	0.1	16.4	1.2	0.17	329
	JN19027-017	24.38	25.91	7.9				1.36	0.65		-0.05	0.07	-10		0.011	0.06	11.4	1.1	0.07	218
	JN19027-018	25.91	27.43	7.6				1.34	0.58		-0.05	0.07	-10		0.01	0.05	11.6	1.1	0.07	242
	JN19027-019	27.43	28.96	7.5				1.03	0.58		-0.05	0.06	-10		0.009	0.05	10	0.9	0.05	164
JN19028	**JN19028-001**	**0**	**1.52**	**20.9**				**2.91**	**3.42**		**0.06**	**0.03**	**10**		**0.016**	**0.08**	**19.8**	**32.4**	**0.41**	**403**
	JN19028-002	1.52	3.05	21.2				3.48	4.5		0.08	0.06	-10		0.022	0.08	25.1	44.6	0.59	550
	JN19028-003	3.05	4.57	12.9				1.78	1.5		0.05	0.04	-10		0.012	0.06	15.2	12	0.14	212
	JN19028-004	4.57	6.1	7				1.19	0.59		-0.05	0.05	-10		0.006	0.05	10.1	2.8	0.03	122
	JN19028-005	6.1	7.62	4.9				1.03	0.51		-0.05	0.05	-10		0.009	0.05	8.5	1.6	0.02	102
	JN19028-006	7.62	9.14	6.1				0.79	0.37		-0.05	0.04	-10		0.006	0.04	8.8	1.1	0.01	86
	JN19028-007	9.14	10.67	13.9				1.28	0.56		-0.05	0.06	-10		0.01	0.06	13.1	1.6	0.02	140
	JN19028-008	10.67	12.19	8.7				1.07	0.56		-0.05	0.05	-10		0.01	0.06	11.1	1.6	0.02	109
	JN19028-009	12.19	13.72	10.1				1	0.57		-0.05	0.05	-10		0.011	0.06	10	1.4	0.02	106
	JN19028-010	13.72	15.24	9				0.89	0.35		-0.05	0.05	-10		-0.005	0.05	6.1	0.6	0.01	81
	JN19028-011	15.24	16.76	17.2				1.17	0.41		-0.05	0.06	-10		0.007	0.05	7	0.7	0.03	112
	JN19028-012	16.76	18.29	24.8				1.57	0.56		-0.05	0.06	-10		0.01	0.06	7.8	1.4	0.08	170
	JN19028-013	18.29	19.81	30.7				1.87	0.63		-0.05	0.07	10		0.012	0.07	8.7	1.2	0.08	178
	JN19028-014	19.81	21.34	33.6				2.15	0.77		-0.05	0.08	-10		0.016	0.08	11.6	1.5	0.12	233
	JN19028-015	21.34	22.86	33.2				2.35	1.09		-0.05	0.08	-10		0.015	0.08	12.4	4.5	0.2	243
	JN19028-016	22.86	24.38	31.7				2.96	2.18		-0.05	0.08	-10		0.014	0.09	10.4	16.9	0.43	292
	JN19028-017	24.38	25.91	24.7				2.48	2.05		0.05	0.08	-10		0.015	0.09	12	14.5	0.38	264
	JN19028-018	25.91	27.43	14.4				1.6	1.06		-0.05	0.06	-10		0.01	0.08	10.5	5.9	0.25	189
	JN19028-019	27.43	28.96	23.8				2.03	1.24		-0.05	0.07	-10		0.02	0.09	10	6.6	0.35	269
	JN19028-020	28.96	30.48	16.3				2.02	1.99		-0.05	0.05	-10		0.016	0.08	10.4	12.6	0.34	298
JN19029	**JN19029-001**	**0**	**1.52**	**22.3**				**3.68**	**4.55**		**0.08**	**0.05**	**-10**		**0.022**	**0.08**	**23.3**	**45.3**	**0.59**	**491**
	JN19029-002	1.52	3.05	8				1.38	1.14		0.05	0.05	10		0.011	0.06	13.6	8.7	0.1	158
	JN19029-003	3.05	4.57	4.3				1.03	0.69		0.05	0.08	-10		0.012	0.08	17.2	1.7	0.02	124
	JN19029-004	4.57	6.1	9.6				1.22	0.56		-0.05	0.04	-10		0.009	0.04	9.9	1.3	0.03	127
	JN19029-005	6.1	7.62	13.6				2.08	0.53		-0.05	0.06	-10		0.011	0.05	10.6	1.5	0.08	189
	JN19029-006	7.62	9.14	2.7				1.7	1.24		0.07	0.12	-10		0.027	0.14	27.9	1.7	0.14	148
	JN19029-007	9.14	10.67	10.7				1.61	0.88		0.05	0.07	-10		0.014	0.07	15.4	3.2	0.15	158
	JN19029-008	10.67	12.19	31.8				2.67	1.56		0.06	0.09	-10		0.014	0.1	24	10	0.42	225
	JN19029-009	12.19	13.72	12.1				1.57	0.79		-0.05	0.07	10		0.01	0.05	11.8	3.6	0.21	136
	JN19029-010	13.72	15.24	36.3				3.49	2.04		0.05	0.08	-10		0.012	0.14	16.3	13.5	0.48	248
	JN19029-011	15.24	16.76	31.8				3.74	2.8		0.06	0.09	-10		0.016	0.15	19	21.2	0.56	294
	JN19029-012	16.76	18.29	27.4				3.36	2.64		-0.05	0.09	-10		0.015	0.11	9.9	25.7	0.76	719
	JN19029-013	18.29	19.81	33.2				3.58	4.18		0.05	0.09	-10		0.02	0.12	16.6	44.7	0.87	401
	JN19029-014	19.81	21.34	21.8				3.55	3.32		0.05	0.09	-10		0.019	0.13	16.2	34.8	0.82	426

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Cu (ppm)	Dy (ppm)	Er (ppm)	Eu (ppm)	Fe (pct)	Ga (ppm)	Gd (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	Ho (ppm)	In (ppm)	K (pct)	La (ppm)	Li (ppm)	Mg (pct)	Mn (ppm)
	JN19029-015	21.34	22.81	46.2				3.53	3.92		0.07	0.1	-10		0.024	0.14	24.2	39.5	0.9	487
	JN19029-016	22.81	24.38	42.3				3.81	3.81		0.07	0.11	-10		0.022	0.15	24.8	39.3	0.9	494
	JN19029-017	24.38	25.91	35				4.18	4.88		0.08	0.11	-10		0.014	0.16	28.4	63	0.94	261
	JN19029-018	25.91	27.43	46.6				4.64	5.16		0.06	0.12	-10		0.014	0.14	19	70.8	1.07	297
	JN19029-019	27.43	28.96	47.6				4.83	5.52		0.06	0.13	-10		0.017	0.15	18.6	79.8	1.13	243
	JN19029-020	28.96	30.46	44.9				4.72	5		0.05	0.13	10		0.014	0.15	13.2	71.8	0.96	215
	JN19029-021	30.46	32	46.1				4.74	5.54		0.06	0.14	-10		0.017	0.15	16.5	77	1.08	265
JN19030	**JN19030-001**	**0**	**1.52**	**6.2**				**1.73**	**1.7**		**-0.05**	**0.06**	**-10**		**0.006**	**0.05**	**14**	**12.3**	**0.21**	**205**
	JN19030-002	1.52	3.05	6				1.84	1.97		-0.05	0.07	-10		0.005	0.04	13.7	14.8	0.23	272
	JN19030-003	3.05	4.57	5.9				1.61	2.29		-0.05	0.08	-10		0.011	0.05	15.9	16.1	0.28	244
	JN19030-004	4.57	6.1	12.5				2.62	2.71		0.05	0.11	-10		0.017	0.08	17	24.9	0.37	421
	JN19030-005	6.1	7.62	41.3				4.23	5.24		0.06	0.11	-10		0.019	0.16	20.3	62.8	0.77	382
	JN19030-006	7.62	9.14	28.3				3.8	4.68		0.05	0.11	-10		0.017	0.15	14.2	57	0.89	678
	JN19030-007	9.14	10.67	36.3				3.8	4.97		0.08	0.13	-10		0.023	0.18	34.2	49.9	1.08	454
	JN19030-008	10.67	12.19	37.6				3.89	4.73		0.07	0.12	-10		0.023	0.19	26.9	53.7	1.09	669
	JN19030-009	12.19	13.72	35.8				3.98	5.78		0.06	0.11	-10		0.017	0.21	24.3	74.4	1.08	647
	JN19030-010	13.72	15.24	39.1				4.55	6.9		0.07	0.12	-10		0.023	0.21	25	91.6	1.18	550
	JN19030-011	15.24	16.76	44.5				4	5.81		0.07	0.14	-10		0.013	0.21	26.8	77.4	0.99	385
	JN19030-012	16.76	18.29	46.9				4.07	5.52		0.06	0.13	-10		0.014	0.18	22.7	76.1	1	217
	JN19030-013	18.29	19.81	48.2				4.82	6.56		0.07	0.15	-10		0.017	0.21	19.8	86.8	1.16	321
	JN19030-014	19.81	21.34	47.5				4.94	5.75		0.06	0.19	-10		0.017	0.21	15.2	79.4	1	260
	JN19030-015	21.34	22.86	50.6				5.03	6.63		0.06	0.17	-10		0.017	0.21	21.7	94.3	1.15	243
	JN19030-016	22.86	24.38	51.7				5.26	6.89		0.06	0.17	-10		0.016	0.22	19.4	92.2	1.17	261
	JN19030-017	24.38	25.91	51.4				5.09	7.34		0.06	0.17	-10		0.016	0.22	22.9	98.7	1.15	249
	JN19030-018	25.91	27.43	50.3				5.17	7.07		0.06	0.17	-10		0.015	0.22	20.7	94	1.17	259
	JN19030-019	27.43	28.96	64.2				5.41	7.24		0.06	0.18	-10		0.019	0.2	21.5	93.5	1.18	276
	JN19030-020	28.96	30.48	60				5.27	8.16		0.06	0.18	-10		0.027	0.23	25.7	85.3	1.15	327
JN19031	**JN19031-001**	**18**	**19.5**	**18.8**				**1.49**	**4.44**		**0.16**	**0.27**	**20**		**0.409**	**0.08**	**95.2**	**10.6**	**0.04**	**88**
	JN19031-002	19.5	21	22.5				2.46	3.85		0.13	0.28	10		0.391	0.07	81.6	8.3	0.12	302
	JN19031-003	21	22.5	27.5				2.58	4.35		0.1	0.18	-10		0.332	0.13	58.8	12.6	0.15	324
	JN19031-004	22.5	24	42.3				2.5	4.19		0.13	0.14	-10		0.509	0.08	80.2	5.9	0.23	593
	JN19031-005	24	25.5	47.9				1.89	7.39		0.11	0.16	-10		0.295	0.09	38.4	24.1	0.42	429
	JN19031-006	25.5	27.2	38.9				1.98	3.74		0.09	0.16	-10		0.315	0.25	41.2	11.1	0.58	656
	JN19031-007	27.2	28.5	14.9				0.54	0.95		-0.05	0.32	-10		0.057	0.14	1.3	0.5	0.01	120
	JN19031-008	28.5	30	13.9				0.53	0.73		-0.05	0.28	-10		0.029	0.13	2.9	0.3	-0.01	103
	JN19031-009	30	31.5	43.9				0.99	0.7		-0.05	0.26	10		0.213	0.12	3.5	0.4	0.01	86
	JN19031-010	31.5	33	9.6				0.48	0.67		-0.05	0.27	-10		0.034	0.12	0.7	0.4	0.01	90
	JN19031-011	33	34.5	203				1.5	0.71		-0.05	0.37	10		0.516	0.16	0.8	0.6	-0.01	105
	JN19031-012	34.5	36	45.3				0.71	0.7		-0.05	0.28	-10		0.102	0.1	1.4	0.8	0.01	58
	JN19031-013	36	37.5	4.3				0.34	0.87		-0.05	0.32	10		-0.005	0.11	2.3	0.6	-0.01	52
	JN19031-014	37.5	39	12.8				0.4	1.13		-0.05	0.27	-10		0.012	0.14	9	0.7	0.01	76
	JN19031-015	48.53	50	130				3.69	5.88		0.1	0.2	20		0.314	0.41	53.7	29.5	0.52	341
	JN19031-016	56	56.5	51.1				3.32	9.93		0.06	0.24	-10		0.027	0.64	20.2	54.3	0.82	193
	JN19031-017	81	82	20.3				4.55	6.95		0.05	0.21	-10		0.038	0.31	14.5	56.8	0.88	268
	JN19031-018	142	143.5	4.3				1.04	4.87		0.07	0.19	-10		0.073	0.09	21.7	28.9	0.59	114
	JN19031-019	143.5	145	33				1.43	4.41		0.06	0.19	-10		0.123	0.12	20.3	24.8	0.68	159
	JN19031-020	145	146.5	24.9				2.28	10.6		0.08	0.25	-10		0.025	0.83	21.2	45.4	0.98	132
	JN19031-021	146.5	148	24.8				1.87	7.02		0.08	0.2	-10		0.039	0.34	29.8	38	0.67	165
	JN19031-022	148	149.5	5.3				1.42	8.2		0.08	0.29	-10		0.039	0.27	32.9	47	0.81	114
	JN19031-023	149.5	151	7.7				1.62	5.05		0.09	0.13	-10		0.072	0.12	45.6	30.4	0.7	164
	JN19031-024	151	152.5	7.6				1.19	3.1		0.07	0.1	-10		0.058	0.05	40.1	17.3	0.44	141
	JN19031-025	152.5	154	17.1				1.48	3.33		0.07	0.08	10		0.108	0.08	31.3	19.6	0.47	179
	JN19031-026	154	155.5	7.9				1.74	4.1		0.07	0.09	-10		0.054	0.03	2.8	30.4	0.8	233
	JN19031-027	155.5	157	18				1.09	2.19		-0.05	0.12	-10		0.095	0.08	3.8	12.1	0.29	167
	JN19031-028	157	158	48.6				1.76	2.24		-0.05	0.08	10		0.125	0.09	8	14.3	0.27	163
	JN19031-029	158	159	19.6				1.39	2.59		0.06	0.08	-10		0.075	0.06	28.6	16.6	0.37	192
	JN19031-030	159	160	15.6				1.53	2.95		0.07	0.08	10		0.112	0.09	26.9	20.5	0.48	262
	JN19031-031	160	161	45.5				2.97	4.7		0.05	0.07	10		0.1	0.08	14.7	36	0.71	359
	JN19031-032	161	162	79.9				1.89	1.41		-0.05	0.05	-10		0.111	0.04	1.8	9.5	0.18	144
	JN19031-033	162	163	73.5				1.48	0.83		-0.05	0.04	-10		0.113	0.06	3.2	3.7	0.07	127
	JN19031-034	163	164	14.7				0.86	2.17		0.07	0.09	10		0.068	0.15	42.1	8	0.17	112
	JN19031-035	164	165	28.2				1.3	3.09		-0.05	0.12	-10		0.048	0.25	23.8	15.9	0.25	172
	JN19031-036	165	166	78.1				1.36	3		0.05	0.13	-10		0.146	0.15	17.4	17.8	0.35	175

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Cu (ppm)	Dy (ppm)	Er (ppm)	Eu (ppm)	Fe (pct)	Ga (ppm)	Gd (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	Ho (ppm)	In (ppm)	K (pct)	La (ppm)	Li (ppm)	Mg (pct)	Mn (ppm)
	JN19031-037	166	167	13.6				1.26	2.57		0.06	0.06	-10		0.076	0.04	26.2	15.4	0.29	172
	JN19031-038	167	168	155				1.85	4.34		0.06	0.17	10		0.202	0.18	25.1	21.1	0.42	193
	JN19031-039	168	169	19.1				1.47	5.18		0.06	0.21	-10		0.098	0.14	13.6	29.4	0.87	172
	JN19031-040	169	169.84	10.4				1.31	3.15		0.06	0.12	-10		0.066	0.08	21.2	18.4	0.43	114
	JN19031-041	169.84	171	17.7				2.85	7.64		0.06	0.23	-10		0.024	0.6	30.5	47.2	0.75	217
	JN19031-042	171	172.5	22.4				3.06	7.13		0.06	0.27	-10		0.027	0.8	25.8	54.4	0.72	192
	JN19031-043	172.5	174	12.7				2.19	7.23		0.06	0.27	-10		0.064	0.43	27	39.8	0.61	196
	JN19031-044	174	175.19	8.1				1.18	2.36		0.05	0.09	-10		0.053	0.06	21.6	15.7	0.32	132
	JN19031-045	175.19	176	11.3				1.11	2.71		0.05	0.13	-10		0.045	0.16	22.5	20.4	0.36	113
	JN19031-046	176	177.5	21.8				1.92	4.83		0.07	0.21	-10		0.044	0.27	30.1	38	0.56	152
	JN19031-047	177.5	179	18.1				2.24	4.91		-0.05	0.32	-10		0.024	0.35	24.6	37.4	0.58	106
	JN19031-048	179	180.5	13.3				1.9	4.24		0.05	0.24	-10		0.021	0.3	26.2	27	0.5	109
	JN19031-049	180.5	182	6.5				0.91	3.16		0.05	0.22	-10		0.027	0.17	30.9	15.7	0.34	107
	JN19031-050	182	183	5				0.93	2.26		0.09	0.07	-10		0.049	0.02	10	14.7	0.51	161
	JN19031-051	183	184	6.5				1.47	2.99		0.07	0.06	-10		0.164	0.04	19.6	20.2	0.54	223
	JN19031-052	184	185.5	3.2				0.8	2.94		0.06	0.12	-10		0.047	0.08	22.9	16	0.42	149
	JN19031-053	185.5	187	8.2				0.94	2.61		0.11	0.15	-10		0.081	0.06	19	15	0.48	157
	JN19031-054	187	188.5	5.1				1.03	1.71		0.08	0.14	-10		0.149	-0.01	13.3	4.2	0.14	208
	JN19031-055	188.5	189.18	11.1				1.09	3.09		0.05	0.11	-10		0.056	0.13	16.8	14.7	0.23	173
	JN19031-056	189.18	190	7.9				1.15	3.13		0.09	0.1	-10		0.06	0.04	14.6	20.5	0.59	198
	JN19031-057	190	191.5	10.3				1	2.82		0.09	0.07	-10		0.132	0.04	35.8	19.8	0.47	126
	JN19031-058	191.5	193	5				0.95	2.63		0.08	0.06	-10		0.038	0.03	41	17.7	0.49	179
	JN19031-059	193	194.5	5.9				0.95	3.04		0.13	0.08	-10		0.053	0.05	61.4	20.5	0.51	179
	JN19031-060	194.5	196	10				1.22	3.77		0.1	0.11	-10		0.041	0.06	41	26.4	0.65	192
	JN19031-061	196	197.5	8.4				0.97	3.68		0.06	0.19	-10		0.026	0.13	22.8	24	0.41	139
	JN19031-062	197.5	199	44.9				1.3	4.33		0.08	0.23	-10		0.083	0.16	28.5	29.5	0.53	168
	JN19031-063	199	200.5	12.7				0.83	2.46		0.09	0.13	-10		0.055	0.04	9.9	17.7	0.53	146
	JN19031-064	200.5	202	9.2				0.87	2.19		0.11	0.09	-10		0.065	0.01	4.5	14.8	0.48	165
	JN19031-065	202	203.5	7.6				0.91	2.93		0.05	0.14	-10		0.043	0.09	16.8	20.1	0.5	217
	JN19031-066	203.5	205	9.1				0.92	3.06		0.05	0.15	-10		0.04	0.08	24.6	19.5	0.44	192
	JN19031-067	205	205.6	4.9				0.65	2.19		0.07	0.08	-10		0.04	0.04	17.8	16	0.34	145
	JN19031-068	205.6	207	5.9				0.82	1.98		-0.05	0.09	-10		0.081	0.07	19.4	12.9	0.29	208
	JN19031-069	210	211.5	51.9				3.97	4.05		0.05	0.18	-10		0.615	0.15	21.3	28.9	0.62	944
	JN19031-070	211.5	213	46.8				3.24	5.17		0.05	0.22	-10		0.108	0.23	33.3	40.8	0.72	370
	JN19031-071	223.5	225	55				3.69	6.76		0.05	0.19	-10		0.027	0.3	17.4	61.7	1.16	474
	JN19031-072	247.06	248	2.8				4.32	5.63		-0.05	0.13	-10		0.021	0.24	12.9	54.2	0.99	566
	JN19031-073	248	249.67	23.2				3.77	5.67		0.05	0.13	-10		0.024	0.25	22.6	53.4	0.97	514
	JN19031-074	249.67	251	42.1				4.38	5.82		0.06	0.15	-10		0.029	0.25	27.4	53.1	1.02	755
	JN19031-075	251	252	62.5				5.05	5.39		-0.05	0.15	-10		0.023	0.25	13.9	59.6	1.2	754
	JN19031-076	252	253	88.1				5.31	4.72		-0.05	0.14	-10		0.075	0.26	8.7	54	1.14	690
	JN19031-077	253	254	83.3				4.79	4.74		-0.05	0.13	-10		0.027	0.27	16.1	49.2	1.12	743
	JN19031-078	254	254.85	346				8.26	4.96		0.07	0.16	80		12.95	0.41	20.7	38.8	0.81	316
	JN19031-079	254.85	256	4				0.54	1.57		0.05	0.25	-10		0.027	0.13	30.5	4.4	0.07	135
	JN19031-080	256	257	0.9				0.29	0.91		-0.05	0.26	-10		0.013	0.12	8.1	0.9	0.01	91
	JN19031-081	257	258.5	1.8				0.96	2.57		0.06	0.26	-10		0.026	0.17	18.9	16.4	0.28	241
	JN19031-082	258.5	259.12	1.5				2.85	7.77		0.14	0.24	-10		0.058	0.68	51.1	66.8	0.91	475
	JN19031-083	259.12	260	15.1				0.61	1.02		-0.05	0.34	-10		0.013	0.14	8.5	1.2	0.03	128
	JN19031-084	260	261	4				0.46	1		-0.05	0.43	-10		0.007	0.14	8.4	1.6	0.02	97
	JN19031-085	261	262	0.8				0.43	1.12		-0.05	0.41	-10		0.008	0.14	9.9	1.7	0.02	109
	JN19031-086	289	289.76	32.9				2.87	8.29		0.06	0.23	-10		0.033	0.25	38.1	47.5	0.95	257
	JN19031-087	289.76	290.5	106.5				3.47	5.45		0.06	0.13	-10		0.103	0.19	25.1	27.8	0.7	258
	JN19031-088	290.5	291.31	86.7				4.21	7.68		0.08	0.4	-10		0.075	0.81	35.5	39.9	0.97	193
JN19032	**JN19032-001**	**0**	**1.52**	**14**				**1.89**	**2.23**		**-0.05**	**0.08**	**-10**		**0.008**	**0.1**	**22**	**18.8**	**0.21**	**155**
	JN19032-002	1.52	3.05	11				2.01	2.25		-0.05	0.07	-10		0.01	0.06	16.6	17.2	0.27	222
	JN19032-003	3.05	4.57	10.2				1.95	2.8		-0.05	0.05	-10		0.011	0.03	13.6	19.3	0.28	218
	JN19032-004	4.57	6.1	33.4				3.76	4.19		0.06	0.11	-10		0.019	0.1	28.6	41.1	0.53	382
	JN19032-005	6.1	7.62	37.4				4	5.3		-0.05	0.1	-10		0.016	0.12	17.9	58.1	0.93	566
	JN19032-006	7.62	9.14	39				4.17	5.39		-0.05	0.11	-10		0.016	0.15	21	58.1	1.02	407
	JN19032-007	9.14	10.67	34.8				3.89	4.91		-0.05	0.12	-10		0.019	0.15	15.6	50.1	1.01	574
	JN19032-008	10.67	12.19	48.9				5.86	3.54		-0.05	0.16	10		0.036	0.14	12.2	37.7	0.72	498
	JN19032-009	12.19	13.72	45.3				5.06	4.44		-0.05	0.14	-10		0.023	0.13	13.2	50.7	0.86	620
	JN19032-010	13.72	15.24	40.8				3.93	6.34		0.05	0.12	-10		0.02	0.18	21.6	76.3	1.04	414
	JN19032-011	15.24	16.76	38.9				5.4	8.75		0.05	0.14	-10		0.019	0.16	23.1	108	1.41	504
	JN19032-012	16.76	18.29	42.2				5.07	8.07		0.05	0.12	-10		0.019	0.13	25.3	95.5	1.32	506

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Cu (ppm)	Dy (ppm)	Er (ppm)	Eu (ppm)	Fe (pct)	Ga (ppm)	Gd (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	Ho (ppm)	In (ppm)	K (pct)	La (ppm)	Li (ppm)	Mg (pct)	Mn (ppm)
	JN19032-013	18.29	19.81	35.7				4.36	6.03		-0.05	0.12	-10		0.018	0.15	20.2	77.9	1.11	498
	JN19032-014	19.81	21.34	36.8				4.88	6.8		-0.05	0.13	-10		0.022	0.14	19.7	81.8	1.42	958
	JN19032-015	21.34	22.86	44.4				3.56	5.25		0.05	0.12	-10		0.02	0.16	26.8	62.1	0.98	479
	JN19032-016	22.86	24.38	34.1				3.43	4.72		-0.05	0.12	-10		0.015	0.14	18.8	55.6	0.94	502
	JN19032-017	24.38	25.91	35.8				3.81	4.67		-0.05	0.13	-10		0.023	0.15	20	53.2	1.19	747
	JN19032-018	25.91	27.43	38.5				4.17	5.48		0.05	0.12	-10		0.022	0.14	23.6	62.5	1.13	647
	JN19032-019	27.43	28.96	47.4				4.3	5.48		0.05	0.15	-10		0.028	0.16	19.4	61.9	1.16	688
	JN19032-020	28.96	30.48	46.6				4.8	5.94		-0.05	0.13	-10		0.03	0.14	14.3	73.3	1.19	679
JN19033	**JN19033-001**	**0**	**1.52**	**9.9**				**2.34**	**1.83**		**-0.05**	**0.05**	**-10**		**0.012**	**0.06**	**15.1**	**15.8**	**0.24**	**513**
	JN19033-002	1.52	3.05	29				3.96	3.11		-0.05	0.07	-10		0.012	0.09	25.2	31.2	0.41	317
	JN19033-003	3.05	4.57	43.2				4.44	4.83		0.08	0.06	-10		0.014	0.15	35.4	54.5	0.73	275
	JN19033-004	4.57	6.1	35.5				5.12	4.45		0.06	0.11	-10		0.026	0.14	33.5	46.5	0.58	783
	JN19033-005	6.1	7.62	27.7				5.39	7.28		0.09	0.18	-10		0.039	0.21	47.6	74.3	1.25	1180
	JN19033-006	7.62	9.14	31.8				5.43	7.03		0.08	0.12	-10		0.029	0.19	32.4	86.5	1.34	881
	JN19033-007	9.14	10.67	41.2				4.46	6.23		0.05	0.1	-10		0.019	0.17	23.5	82.6	1.13	612
	JN19033-008	10.67	12.19	51.8				4.57	6.52		0.05	0.11	-10		0.02	0.18	22.6	88.7	1.14	567
	JN19033-009	12.19	13.72	47.5				4.88	5.64		0.05	0.09	-10		0.015	0.18	20.6	82.1	1.11	240
	JN19033-010	13.72	15.24	47.5				5.36	5.66		-0.05	0.13	-10		0.018	0.2	14.5	78.5	1.04	241
	JN19033-011	15.24	16.76	41.7				5.72	6.86		0.06	0.14	-10		0.015	0.17	22.6	100	1.27	293
	JN19033-012	16.76	18.29	88.6				5.79	7.66		0.05	0.15	-10		0.024	0.17	22	108.5	1.29	281
	JN19033-013	18.29	19.81	52.3				5.72	7.81		0.05	0.16	-10		0.02	0.19	22.3	104	1.29	300
	JN19033-014	19.81	21.34	50.8				5.76	7.5		0.05	0.15	-10		0.018	0.2	27.9	90.9	1.28	319
	JN19033-015	21.34	22.86	55.4				5.29	6.18		0.05	0.13	-10		0.016	0.16	19.9	80.1	1.15	316
	JN19033-016	22.86	24.38	51.7				5.08	6.73		0.05	0.12	-10		0.017	0.17	22.6	86.7	1.19	287
	JN19033-017	24.38	25.91	49				5	6.89		0.06	0.12	-10		0.015	0.18	26	87.8	1.2	285
	JN19033-018	25.91	27.43	43.1				5.99	6.13		-0.05	0.18	10		0.022	0.16	11.4	77.2	1.46	1660
	JN19033-019	27.43	28.96	48.8				5.17	6.31		0.06	0.16	-10		0.019	0.19	19.9	78	1.15	421
	JN19033-020	28.96	30.48	47.8				5.39	5.91		-0.05	0.15	-10		0.019	0.16	14.9	77.2	1.16	419
JN19034	**JN19034-001**	**0**	**1.52**	**10.7**				**2.4**	**3**		**-0.05**	**0.07**	**-10**		**0.011**	**0.26**	**22.6**	**14.5**	**0.2**	**357**
	JN19034-002	1.52	3.05	4.7				1.6	0.79		-0.05	0.05	-10		0.008	0.04	14.6	4	0.06	445
	JN19034-003	3.05	4.57	4.6				1.72	1		-0.05	0.07	-10		0.01	0.03	14.1	6.1	0.08	450
	JN19034-004	4.57	6.1	28				3.84	4.13		0.05	0.1	10		0.018	0.13	31.6	43.3	0.5	295
	JN19034-005	6.1	7.62	45				3.78	4.47		0.07	0.1	-10		0.018	0.16	43.1	51.9	0.61	286
	JN19034-006	7.62	9.14	46.2				4.31	4.39		0.06	0.09	-10		0.019	0.15	29	50	0.54	390
	JN19034-007	9.14	10.67	44				4.15	4.39		0.05	0.08	-10		0.013	0.08	21.2	62.9	0.68	337
	JN19034-008	10.67	12.19	35				4.39	5.03		-0.05	0.08	-10		0.019	0.15	20.1	66	1.11	690
	JN19034-009	12.19	13.72	43.2				4.13	4.98		0.05	0.08	-10		0.021	0.16	20.6	60.7	0.96	470
	JN19034-010	13.72	15.24	40.8				4.39	4.53		-0.05	0.09	-10		0.023	0.14	20.3	58.8	0.87	502
	JN19034-011	15.24	16.76	41.5				4.31	5.35		0.05	0.09	-10		0.02	0.13	23.6	73.2	0.98	651
	JN19034-012	16.76	18.29	43.7				4.3	5.43		0.05	0.08	-10		0.02	0.13	21.8	73	0.98	618
	JN19034-013	18.29	19.81	48.8				4.47	5.49		0.05	0.08	-10		0.023	0.13	19	82.5	1.09	672
	JN19034-014	19.81	21.34	48.9				4.57	5.93		0.05	0.1	-10		0.016	0.14	17.6	84.6	1.08	566
JN19035	**JN19035-001**	**0**	**1.52**	**8.1**				**1.55**	**2.74**		**-0.05**	**0.06**	**-10**		**0.013**	**0.12**	**13.7**	**22.1**	**0.29**	**231**
	JN19035-002	1.52	3.05	4.6				1.57	2.17		-0.05	0.07	-10		0.011	0.07	15.3	19.6	0.28	230
	JN19035-003	3.05	4.57	21.2				2.89	2.97		-0.05	0.09	-10		0.014	0.08	20.5	33	0.44	358
	JN19035-004	4.57	6.1	45.6				4.84	5.98		0.06	0.09	-10		0.02	0.16	26.8	73.4	0.84	486
	JN19035-005	6.1	7.62	40.8				4.42	5		0.05	0.07	-10		0.018	0.15	23.9	59.5	0.98	571
	JN19035-006	7.62	9.14	48.2				4.27	5.15		0.06	0.1	-10		0.018	0.15	25.2	65.6	0.92	460
	JN19035-007	9.14	10.67	48.4				4.11	5.25		0.05	0.1	-10		0.014	0.16	20.9	71.7	0.93	241
	JN19035-008	10.67	12.19	47				5.13	5.29		-0.05	0.11	-10		0.018	0.16	12.5	71.2	1	267
	JN19035-009	12.19	13.72	52.7				5.25	6.9		0.05	0.12	-10		0.019	0.17	18.5	92.1	1.12	264
	JN19035-010	13.72	15.24	46.5				5.46	5.79		0.05	0.15	-10		0.02	0.16	17.7	68	1.14	279
	JN19035-011	15.24	16.76	49.6				5.49	6.74		0.05	0.13	-10		0.016	0.17	17.7	83.3	1.16	295
	JN19035-012	16.76	18.29	55.7				5.42	7.35		0.05	0.12	-10		0.019	0.17	23	93.6	1.22	292
	JN19035-013	18.29	19.81	55.3				5.22	6.74		0.05	0.11	-10		0.016	0.14	20.2	86.4	1.15	321
	JN19035-014	19.81	21.34	52.2				5.36	6.44		-0.05	0.12	-10		0.016	0.15	19.5	88.6	1.23	316
	JN19035-015	21.34	22.86	47.3				5.98	5.6		-0.05	0.17	-10		0.02	0.13	11.2	77.3	1.27	888
	JN19035-016	22.86	24.38	51.4				5.41	5.37		-0.05	0.14	-10		0.018	0.15	11.8	76.1	1.13	396
	JN19035-017	24.38	25.91	50.8				5.57	6.85		0.05	0.19	-10		0.015	0.16	17.9	91	1.34	475
	JN19035-018	25.91	27.43	46.3				5.92	7.21		0.06	0.11	-10		0.016	0.14	13.5	89.7	1.34	509
	JN19035-019	27.43	28.96	51.8				5.41	6.36		0.05	0.19	-10		0.016	0.14	13.7	78.1	1.19	833
	JN19035-020	28.96	30.48	58.3				5.47	6.91		-0.05	0.17	-10		0.017	0.16	16.4	90.5	1.22	409

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Cu (ppm)	Dy (ppm)	Er (ppm)	Eu (ppm)	Fe (pct)	Ga (ppm)	Gd (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	Ho (ppm)	In (ppm)	K (pct)	La (ppm)	Li (ppm)	Mg (pct)	Mn (ppm)
JN19036	**JN19036-001**	**0**	**1.52**	**14**				**1.86**	**2.76**		**-0.05**	**0.05**	**-10**		**0.012**	**0.05**	**15.9**	**23.1**	**0.3**	**267**
	JN19036-002	1.52	3.05	5.1				1.67	2.25		-0.05	0.06	10		0.008	0.05	14.3	17.7	0.24	220
	JN19036-003	3.05	4.57	4.9				1.45	2.07		-0.05	0.13	-10		0.01	0.08	16.6	13.8	0.25	181
	JN19036-004	4.57	6.1	14.7				2.3	2.19		-0.05	0.07	-10		0.015	0.06	12.5	23.7	0.38	422
	JN19036-005	6.1	7.62	35.1				3.72	4.13		-0.05	0.08	-10		0.017	0.1	20.8	54.2	0.68	535
	JN19036-006	7.62	9.14	38.4				3.97	4.32		0.05	0.09	-10		0.02	0.12	22.1	55.2	0.95	525
	JN19036-007	9.14	10.67	43.2				4.41	5.32		-0.05	0.08	-10		0.018	0.15	21.5	70.2	1.07	689
	JN19036-008	10.67	12.19	46				4.16	4.79		-0.05	0.08	-10		0.016	0.16	18.5	60.8	0.8	371
	JN19036-009	12.19	13.72	46.1				3.71	4.7		0.05	0.09	-10		0.016	0.2	24.9	61.4	0.79	261
	JN19036-010	13.72	15.24	49.9				4.58	5.94		0.06	0.09	-10		0.014	0.2	24.2	81	1.01	248
	JN19036-011	15.24	16.76	48.1				4.55	4.9		0.05	0.1	-10		0.014	0.19	17.2	68.9	0.94	245
	JN19036-012	16.76	18.29	48.9				5.16	5.32		-0.05	0.11	10		0.02	0.17	12.1	75.3	1.02	258
	JN19036-013	18.29	19.81	48.1				5.26	5.3		-0.05	0.12	-10		0.017	0.19	12.3	73.6	1.04	238
	JN19036-014	19.81	21.34	52.4				5.25	6.13		0.05	0.11	-10		0.017	0.17	17.5	86.8	1.13	264
	JN19036-015	21.34	22.86	52.3				5.27	6.47		0.05	0.11	-10		0.015	0.17	17.7	91.1	1.15	264
	JN19036-016	22.86	24.38	57				5.68	6.67		0.06	0.14	-10		0.018	0.17	17.3	92.3	1.17	316
	JN19036-017	24.38	25.91	54.1				5.18	6.82		-0.05	0.12	-10		0.015	0.15	20.2	96.2	1.15	294
	JN19036-018	25.91	27.43	58.8				5.29	7.03		0.05	0.13	-10		0.017	0.17	20.4	100.5	1.19	284
	JN19036-019	27.43	28.96	49.5				5.23	6.29		-0.05	0.15	-10		0.02	0.15	12.2	87	1.12	611
	JN19036-020	28.96	30.48	52				5.08	7.39		0.06	0.14	-10		0.017	0.17	21.3	101.5	1.19	340
JN19037	**JN19037-001**	**0**	**1.52**	**36.7**				**4.91**	**6.81**		**0.07**	**0.07**	**-10**		**0.024**	**0.11**	**41.1**	**83.8**	**0.95**	**853**
	JN19037-002	1.52	3.05	40.7				4.79	5.99		0.08	0.12	10		0.02	0.11	36	78.4	0.8	663
	JN19037-003	3.05	4.57	36.9				3.48	4.29		0.08	0.11	-10		0.017	0.13	33	49.2	0.49	323
	JN19037-004	4.57	6.1	26.5				4.01	4.06		0.06	0.11	10		0.024	0.09	20.7	45.8	0.53	606
	JN19037-005	6.1	7.62	22.4				3	2.59		0.05	0.09	-10		0.014	0.09	15.3	28.7	0.5	350
	JN19037-006	7.62	9.14	31.5				3.63	3.91		0.05	0.09	-10		0.022	0.11	15.4	49	0.74	460
	JN19037-007	9.14	10.67	49.7				4.31	5.59		0.06	0.09	-10		0.014	0.16	19.9	84	1	278
	JN19037-008	10.67	12.19	42.9				4.4	5.16		0.05	0.08	-10		0.016	0.13	14.3	76.7	1.04	592
	JN19037-009	12.19	13.72	47.4				4.99	4.97		0.05	0.12	10		0.018	0.16	11.2	74.8	0.96	248
JN19038	**JN19038-001**	**0**	**1.52**	**45**				**4.92**	**5.57**		**0.08**	**0.07**	**-10**		**0.019**	**0.1**	**33.2**	**70**	**0.74**	**591**
	JN19038-002	1.52	3.05	43.9				5.18	6.97		0.09	0.1	10		0.018	0.1	41.3	84.7	0.96	667
	JN19038-003	3.05	4.57	48.1				5.1	7.36		0.1	0.12	-10		0.018	0.1	42	87.3	1.01	591
	JN19038-004	4.57	6.1	49.6				5.02	7.11		0.08	0.14	-10		0.018	0.11	29.9	86.2	1.05	779
	JN19038-005	6.1	7.62	44				5.05	7.11		0.08	0.13	-10		0.019	0.1	23.5	89.7	1.13	871
	JN19038-006	7.62	9.14	44.9				4.97	6.73		0.06	0.11	10		0.017	0.12	21.2	89.9	1.12	613
	JN19038-007	9.14	10.67	35.6				4.68	4.99		0.06	0.11	-10		0.021	0.13	16.6	65.5	0.93	598
	JN19038-008	10.67	12.19	36.8				4.93	3.77		0.05	0.12	-10		0.025	0.1	13.5	44.6	0.93	636
	JN19038-009	12.19	13.72	17.8				2.25	1.1		-0.05	0.09	-10		0.018	0.06	10.3	7	0.31	319
	JN19038-010	13.72	15.24	11.6				1.63	0.87		-0.05	0.07	-10		0.011	0.05	10.9	5.1	0.21	236
	JN19038-011	15.24	16.76	21.1				2.62	2.42		-0.05	0.08	10		0.017	0.07	9.6	23.5	0.41	326
	JN19038-012	16.76	18.29	9.2				1.31	0.5		-0.05	0.05	-10		0.006	0.04	5.7	2.5	0.08	178
	JN19038-013	18.29	19.81	12.3				1.21	0.51		-0.05	0.07	-10		0.009	0.07	8.4	1.3	0.07	163
	JN19038-014	19.81	21.34	9.1				1.22	0.5		-0.05	0.06	-10		0.005	0.07	8.6	1	0.04	130
	JN19038-015	21.34	22.86	7.6				1.51	0.49		-0.05	0.04	-10		0.008	0.05	9	1.4	0.07	191
	JN19038-016	22.86	24.38	15.4				1.68	0.65		-0.05	0.06	-10		0.01	0.05	11.2	1.8	0.1	198
	JN19038-017	24.38	25.91	40.8				4.1	2.38		-0.05	0.07	-10		0.015	0.1	11.4	20	0.6	433
	JN19038-018	25.91	27.43	32.2				3.88	2.22		-0.05	0.08	-10		0.017	0.09	7.2	21.8	0.82	609
	JN19038-019	27.43	28.96	45.3				4.21	2.89		0.05	0.09	-10		0.021	0.12	16.3	22.1	0.99	504
	JN19038-020	28.96	30.48	40.6				4.19	3.47		0.05	0.1	-10		0.019	0.12	17.9	24.2	1.1	525
JN19039	**JN19039-001**	**20**	**21.83**	**23.6**				**2.96**	**1.42**		**-0.05**	**0.12**	**10**		**0.161**	**0.16**	**20.7**	**2.4**	**0.1**	**494**
	JN19039-002	21.83	23	14.1				0.76	0.78		-0.05	0.06	-10		0.123	0.08	10.6	1.2	0.01	146
	JN19039-003	23	24	19.2				0.8	1.21		-0.05	0.08	10		0.055	0.18	19.4	1.8	0.02	185
	JN19039-004	24	25.5	38.7				2.67	1.05		-0.05	0.08	10		0.442	0.05	11.6	2	0.11	542
	JN19039-005	25.5	27	19.2				1.41	0.9		-0.05	0.09	20		0.155	0.12	13.4	1.4	0.03	186
	JN19039-006	27	28.18	24.6				1.96	0.56		-0.05	0.05	20		0.216	0.06	6.3	0.9	0.01	30
	JN19039-007	28.18	29	16.2				1.72	0.47		-0.05	0.04	10		0.183	0.05	5.1	0.6	-0.01	33
	JN19039-008	29	29.9	16.3				1.07	0.74		-0.05	0.06	10		0.1	0.09	8.6	0.8	0.01	31
	JN19039-009	29.9	31	3.6				0.51	0.72		-0.05	0.05	10		0.028	0.09	11.2	1	-0.01	25
	JN19039-010	31	31.77	1.9				0.31	0.63		-0.05	0.05	-10		0.009	0.08	10.3	0.8	-0.01	28
	JN19039-011	31.77	33	8.1				0.46	0.55		-0.05	0.06	10		0.022	0.06	9.7	0.7	-0.01	28
	JN19039-012	33	34.5	16.9				0.49	0.67		-0.05	0.05	-10		0.042	0.07	11.9	0.8	-0.01	28

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Cu (ppm)	Dy (ppm)	Er (ppm)	Eu (ppm)	Fe (pct)	Ga (ppm)	Gd (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	Ho (ppm)	In (ppm)	K (pct)	La (ppm)	Li (ppm)	Mg (pct)	Mn (ppm)
	JN19039-013	34.5	35.5	29.2				0.9	0.71		-0.05	0.07	10		0.085	0.08	11.3	1	0.01	119
	JN19039-014	35.5	36.82	27.8				2.66	0.92		-0.05	0.09	60		0.155	0.14	13.8	1.3	0.07	108
	JN19039-015	36.82	38	12.4				1.47	0.89		-0.05	0.09	20		0.256	0.1	15.5	1.7	0.02	44
	JN19039-016	38	39.66	38.6				4.01	1.38		0.05	0.13	90		0.519	0.18	17	1.4	0.08	104
	JN19039-017	39.66	40.82	29.4				2.76	1.55		0.05	0.15	50		0.091	0.24	22.3	1	0.14	148
	JN19039-018	40.82	42	43.5				3.54	2		0.05	0.19	10		0.147	0.16	16.8	2.3	0.5	800
	JN19039-019	42	43.5	47.5				4.98	1.8		-0.05	0.15	-10		0.194	0.16	16	2.3	0.74	1060
	JN19039-020	43.5	45	47				6.68	2.86		0.05	0.28	10		0.328	0.17	18.3	3.9	0.88	1380
	JN19039-021	45	46.5	78.6				4.47	1.98		0.07	0.18	-10		0.196	0.16	14.8	2.9	0.97	891
	JN19039-022	46.5	48	43				4.06	1.74		0.06	0.21	-10		0.128	0.16	12.8	3	0.94	762
	JN19039-023	48	49	39.4				6.85	4.05		0.13	0.1	-10		0.109	0.15	29.2	5.4	1	1380
	JN19039-024	49	50	45.6				5.76	2.53		0.08	0.35	-10		0.183	0.16	16	3.1	0.92	1130
	JN19039-025	50	51.5	92.3				7.11	5.06		0.2	0.02	-10		0.361	0.09	37.3	9.2	0.85	1470
	JN19039-026	51.5	52	68.4				5.08	1.26		-0.05	0.1	10		0.614	0.14	4.1	5.2	0.37	1470
	JN19039-027	52	53	14.9				1.36	1.14		-0.05	0.11	-10		0.02	0.17	7.6	4.4	0.19	447
	JN19039-028	53	54	11.6				1.36	1.07		-0.05	0.06	-10		0.021	0.14	5.8	4.6	0.22	340
	JN19039-029	54	55	6.7				1.48	1.46		-0.05	0.08	10		0.011	0.19	11.9	6.6	0.24	305
	JN19039-030	55	56	5.5				1.62	1.27		0.05	0.06	20		0.012	0.18	20.2	4.7	0.24	309
	JN19039-031	56	57	3				1.52	1.21		0.06	0.07	-10		0.011	0.19	21.3	5	0.27	276
	JN19039-032	57	58	1.9				1.68	1.11		0.05	0.08	10		0.011	0.18	22.4	4.8	0.27	276
	JN19039-033	58	58.66	2.1				1.64	1.16		0.06	0.07	-10		0.011	0.19	23.1	3.7	0.29	299
	JN19039-034	58.66	59.34	2.7				0.69	0.46		-0.05	0.04	60		-0.005	0.08	6.2	1.7	0.08	101
	JN19039-035	59.34	60	2.5				1.69	1.13		0.07	0.09	-10		0.012	0.18	24.9	5	0.29	288
	JN19039-036	60	61	2.8				1.61	1.13		0.06	0.13	-10		0.011	0.16	25.8	4.4	0.24	279
	JN19039-037	61	62	1.3				1.71	2.3		0.08	0.15	10		0.014	0.17	28.7	7.6	0.25	301
	JN19039-038	62	63	1.4				1.7	1.26		0.06	0.11	-10		0.012	0.16	24.1	3.6	0.24	301
	JN19039-039	63	64	1.5				1.65	1.49		0.07	0.09	10		0.011	0.16	25.6	5.2	0.23	284
	JN19039-040	64	65.5	1.5				1.7	1.09		0.06	0.12	-10		0.013	0.18	23.4	3.4	0.27	290
	JN19039-041	65.5	67	1.8				1.62	1.21		0.06	0.13	10		0.01	0.16	21.1	4.1	0.24	282
	JN19039-042	67	68.5	2.9				1.6	1.45		0.06	0.12	10		0.01	0.18	22.2	5	0.2	306
	JN19039-043	68.5	70	1.7				1.61	1.29		0.06	0.12	10		0.009	0.16	20	4.6	0.22	282
	JN19039-044	70	71.5	1.4				1.59	1.07		0.06	0.12	-10		0.008	0.18	22.3	3.3	0.23	288
	JN19039-045	71.5	73	1.9				1.6	1.23		0.06	0.11	-10		0.009	0.19	20.1	3.9	0.21	290
	JN19039-046	73	74.5	2.6				1.64	1.05		0.06	0.11	-10		0.01	0.16	21.2	3.3	0.22	266
	JN19039-047	74.5	76	3.4				1.68	1.16		0.06	0.11	10		0.011	0.16	19.7	3.6	0.28	295
	JN19039-048	76	77	4.4				1.56	1.37		0.06	0.12	-10		0.009	0.17	19.7	4.5	0.2	376
	JN19039-049	77	78	5.7				1.67	2.01		0.06	0.12	10		0.017	0.18	19.9	6.7	0.21	429
	JN19039-050	78	79	7.5				1.92	1.26		0.05	0.11	-10		0.009	0.19	16.7	4.3	0.19	463
	JN19039-051	79	80	6.7				1.6	1.52		0.05	0.11	-10		0.009	0.19	17.6	5.8	0.19	435
	JN19039-052	80	81	4.1				1.64	1.02		0.05	0.13	-10		0.01	0.19	16.2	3.5	0.21	398
	JN19039-053	81	82	4.4				1.61	1.12		-0.05	0.09	-10		0.009	0.14	21.3	5.2	0.23	326
	JN19039-054	82	83	2.6				1.65	1.67		0.06	0.12	-10		0.01	0.17	23.1	6.8	0.23	324
	JN19039-055	83	84	1.6				1.55	1.81		0.06	0.1	-10		0.008	0.15	25.3	6.6	0.2	282
	JN19039-056	84	85	4				1.64	2.4		0.05	0.12	-10		0.009	0.18	24.2	9.7	0.22	310
	JN19039-057	85	86	5.5				1.66	2.83		-0.05	0.1	-10		0.009	0.16	18.5	14.7	0.21	427
	JN19039-058	86	87	5.8				1.62	3.25		0.05	0.11	-10		0.006	0.18	18.1	16.5	0.23	393
	JN19039-059	87	88	4.5				1.68	3.18		-0.05	0.12	-10		0.009	0.18	19.7	16.7	0.22	464
	JN19039-060	88	89	4.4				1.72	3.2		0.06	0.14	-10		0.014	0.26	22.8	14.7	0.25	381
	JN19039-061	89	90	3				1.68	3.15		0.06	0.12	-10		0.006	0.17	25.5	15.7	0.25	283
	JN19039-062	90	91	4.4				1.65	2.14		0.05	0.08	-10		0.01	0.18	24.1	8.7	0.24	339
	JN19039-063	91	92	3.2				1.68	3.94		0.06	0.12	-10		0.011	0.21	25.1	17.1	0.25	284
	JN19039-064	92	93	3.4				1.74	4.26		0.06	0.14	-10		0.01	0.24	21.5	20.4	0.27	288
	JN19039-065	93	94	1.6				1.81	4.76		0.08	0.18	-10		0.011	0.33	21	22.9	0.31	294
	JN19039-066	94	95	11.3				1.78	4.72		0.07	0.18	-10		0.012	0.28	23	23.9	0.29	297
	JN19039-067	95	96	6.9				1.66	4.68		-0.05	0.17	-10		0.012	0.25	22.3	22.7	0.26	272
	JN19039-068	96	97	8.9				1.47	2.35		-0.05	0.13	-10		0.019	0.2	18.7	10.8	0.17	514
	JN19039-069	97	98	9.5				1.58	1.72		-0.05	0.12	-10		0.022	0.21	18	9.2	0.16	538
	JN19039-070	98	99	6.9				1.5	1.93		-0.05	0.13	-10		0.011	0.19	16.8	8.3	0.19	386
	JN19039-071	99	99.62	178.5				2.38	1.06		-0.05	0.09	-10		0.117	0.18	14.2	4.1	0.16	357
	JN19039-072	99.62	101	8.4				1.66	2.03		-0.05	0.12	-10		0.009	0.18	19.5	9.5	0.2	426
	JN19039-073	101	102	6.8				1.62	2.75		-0.05	0.16	-10		0.011	0.21	20.4	12.4	0.23	361
JN19040	**JN19040-001**	**0**	**1.52**	**25.4**				**3.63**	**5.17**		**0.06**	**0.04**	**-10**		**0.02**	**0.14**	**22.4**	**52.6**	**0.7**	**374**
	JN19040-002	1.52	3.05	62.6				4.53	2.4		0.07	0.09	10		0.023	0.17	32.4	16	0.18	501
	JN19040-003	3.05	4.57	52.6				3.84	1.16		0.05	0.09	10		0.082	0.13	16.1	3.2	0.04	460

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Cu (ppm)	Dy (ppm)	Er (ppm)	Eu (ppm)	Fe (pct)	Ga (ppm)	Gd (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	Ho (ppm)	In (ppm)	K (pct)	La (ppm)	Li (ppm)	Mg (pct)	Mn (ppm)
	JN19040-004	4.57	6.1	70				4.05	1.08		0.05	0.09	10		0.043	0.18	16.3	3.7	0.18	515
	JN19040-005	6.1	7.62	76.9				3.14	0.96		-0.05	0.09	10		0.038	0.18	10.7	2.6	0.12	359
	JN19040-006	7.62	9.14	47.5				3.2	0.82		-0.05	0.09	20		0.025	0.12	11.4	2.3	0.25	604
	JN19040-007	9.14	10.67	60.5				3.65	1.36		-0.05	0.12	10		0.024	0.24	14.4	3.6	0.36	644
	JN19040-008	10.67	12.19	35.7				2.6	1.28		-0.05	0.14	10		0.02	0.15	15.5	2.8	0.22	485
	JN19040-009	12.19	13.72	42.5				2.43	0.89		-0.05	0.12	10		0.151	0.05	12.7	1.5	0.08	693
	JN19040-010	13.72	15.24	19.2				1.82	0.57		-0.05	0.05	20		0.058	0.09	8.4	1.1	0.04	668
	JN19040-011	15.24	16.76	20.1				1.16	0.52		-0.05	0.06	10		0.037	0.02	8.9	0.9	0.02	250
	JN19040-012	16.76	18.29	9.2				0.74	0.53		-0.05	0.05	10		0.006	0.04	7.7	0.8	0.02	119
	JN19040-013	18.29	19.81	5.4				0.86	0.44		-0.05	0.04	10		0.005	0.05	8.1	1	0.05	192
	JN19040-014	19.81	21.34	5.9				1.21	0.63		-0.05	0.05	10		0.006	0.06	9	1.5	0.09	306
	JN19040-015	21.34	22.86	8.4				1.21	0.49		-0.05	0.05	-10		0.044	0.03	7.5	0.7	0.04	255
	JN19040-016	22.86	24.38	6.7				0.95	0.61		-0.05	0.06	-10		0.009	0.05	10.4	0.8	0.03	207
	JN19040-017	24.38	25.91	16.5				1.36	0.8		-0.05	0.09	20		0.009	0.1	10.7	1.2	0.06	207
	JN19040-018	25.91	27.43	9.3				1.11	0.55		-0.05	0.04	10		0.018	0.06	10.1	0.8	0.04	270
	JN19040-019	27.43	28.96	7.4				1.24	0.57		-0.05	0.04	10		0.03	0.02	10.7	0.8	0.03	273
	JN19040-020	28.96	30.48	45.6				3.91	1.99		-0.05	0.11	-10		0.014	0.24	16.9	5.6	0.17	424
	JN19040-021	30.48	32	40.3				5.15	2.67		-0.05	0.11	-10		0.013	0.24	18.1	14.2	0.35	470
JN19041	**JN19041-001**	**0**	**1.52**	**22**				**4.12**	**5.96**		**0.05**	**0.09**	**-10**		**0.022**	**0.15**	**26.2**	**56.5**	**0.89**	**391**
	JN19041-002	1.52	3.05	29.6				3.59	3.54		0.05	0.05	-10		0.034	0.17	31.5	31.2	0.45	388
	JN19041-003	3.05	4.57	14.5				1.12	1.19		0.07	0.08	-10		0.053	0.18	48.6	4	0.04	78
	JN19041-004	4.57	6.1	39.2				3	1.19		0.07	0.09	10		0.042	0.2	43.3	3.3	0.03	164
	JN19041-005	6.1	7.62	50.3				3.25	1.24		0.05	0.1	20		0.045	0.23	38.1	3.6	0.03	447
	JN19041-006	7.62	9.14	70.2				3.3	1.36		-0.05	0.12	10		0.03	0.19	19.9	3.8	0.14	493
	JN19041-007	9.14	10.67	58.8				3.96	1.53		-0.05	0.11	10		0.025	0.27	19	6	0.39	689
	JN19041-008	10.67	12.19	51.4				1.69	1.12		-0.05	0.1	10		0.06	0.15	18.9	3.9	0.12	231
	JN19041-009	12.19	13.72	59.4				2.72	1.45		-0.05	0.11	10		0.039	0.2	18	4.6	0.17	526
	JN19041-010	13.72	15.24	68				3.06	1.52		-0.05	0.13	10		0.049	0.2	18.7	4.8	0.18	572
	JN19041-011	15.24	16.76	35.7				1.61	0.88		-0.05	0.13	-10		0.046	0.1	12.5	2.5	0.1	287
	JN19041-012	16.76	18.29	14				0.86	0.64		-0.05	0.06	20		0.013	0.08	11.6	1.7	0.04	140
	JN19041-013	18.29	19.81	21.9				0.98	0.59		-0.05	0.05	20		0.017	0.09	8.6	1.4	0.03	186
	JN19041-014	19.81	21.34	25.3				1.14	0.76		-0.05	0.08	20		0.019	0.09	10.6	1.6	0.05	198
	JN19041-015	21.34	22.86	15				0.89	0.62		-0.05	0.06	20		0.011	0.06	10.8	1.3	0.04	156
	JN19041-016	22.86	24.38	16.6				1.01	0.54		-0.05	0.05	20		0.013	0.05	8.9	1.1	0.03	143
	JN19041-017	24.38	25.91	18.2				1.55	0.57		-0.05	0.06	90		0.037	0.06	8.6	1.1	0.04	123
	JN19041-018	25.91	27.43	17.4				1.29	0.64		-0.05	0.07	60		0.022	0.09	8.9	1.5	0.03	97
	JN19041-019	27.43	28.96	18.3				0.82	0.67		-0.05	0.08	10		0.017	0.11	8.8	2.3	0.03	130
	JN19041-020	28.96	30.48	41				1.13	0.62		-0.05	0.06	40		0.111	0.09	7.6	1.6	0.02	209
	JN19041-021	30.48	32	20.3				0.88	0.71		-0.05	0.05	20		0.031	0.07	10.8	1.6	0.04	148
	JN19041-022	32	33.53	31.8				1.61	0.52		-0.05	0.04	-10		0.158	0.06	8.2	1.1	0.05	371
	JN19041-023	33.53	35.05	40.9				1.49	0.6		-0.05	0.06	10		0.104	0.06	10.4	1.3	0.05	235
	JN19041-024	35.05	36.58	31.5				1.68	0.73		-0.05	0.08	10		0.064	0.08	11.8	1.4	0.05	224
	JN19041-025	36.58	38.1	23.3				2.15	1.07		-0.05	0.1	-10		0.041	0.1	14.2	2.5	0.09	328
	JN19041-026	38.1	39.62																	
JN19042	**JN19042-001**	**0**	**1.52**	**25.9**				**3.98**	**6.11**		**0.06**	**0.06**	**-10**		**0.019**	**0.16**	**24.1**	**62.5**	**0.86**	**407**
	JN19042-002	1.52	3.05	32.4				3.9	5.21		0.05	0.03	-10		0.026	0.12	17.4	50.7	0.73	396
	JN19042-003	3.05	4.57	28.1				3.76	5.33		0.05	0.09	-10		0.026	0.18	22.7	44.9	0.62	524
	JN19042-004	4.57	6.1	19.3				1.52	1.21		0.05	0.05	10		0.099	0.12	32.6	5.3	0.07	94
	JN19042-005	6.1	7.62	14.7				1.13	0.79		-0.05	0.06	10		0.082	0.05	26.9	2.7	0.03	84
	JN19042-006	7.62	9.14	12.4				0.96	0.79		0.05	0.08	20		0.086	0.07	36	1.9	0.02	176
	JN19042-007	9.14	10.67	12.3				1.2	0.98		0.05	0.09	-10		0.031	0.14	33.9	2.4	0.03	330
	JN19042-008	10.67	12.19	29.6				1.91	1.03		-0.05	0.1	10		0.06	0.17	22.1	3.4	0.08	437
	JN19042-009	12.19	13.72	47.6				3.02	1.31		-0.05	0.16	-10		0.04	0.28	19.9	4.8	0.27	887
	JN19042-010	13.72	15.24	39				2.49	1.15		-0.05	0.14	10		0.023	0.24	19.1	3.9	0.23	504
	JN19042-011	15.24	16.76	53.4				4.16	1.94		-0.05	0.18	-10		0.026	0.25	17.7	4.8	0.38	800
	JN19042-012	16.76	18.29	54.3				2.37	0.92		-0.05	0.11	-10		0.024	0.14	17.2	3.1	0.08	169
	JN19042-013	18.29	19.81	76.4				4.79	1.33		-0.05	0.13	10		0.037	0.17	16.9	5.5	0.4	1040
	JN19042-014	19.81	21.34	66.2				3.3	1.11		-0.05	0.14	10		0.09	0.2	16.8	4.7	0.31	606
	JN19042-015	21.34	22.86	74.4				2.24	0.96		-0.05	0.12	20		0.14	0.18	13.8	3.2	0.12	459
	JN19042-016	22.86	24.38	52				2.7	1.27		-0.05	0.12	10		0.064	0.25	17.3	3.9	0.28	487
	JN19042-017	24.38	25.91	50.1				3.42	1.16		-0.05	0.13	10		0.069	0.28	15.1	3.6	0.39	500
	JN19042-018	25.91	27.43	56.5				3.29	1.18		-0.05	0.12	10		0.076	0.28	16.6	4.1	0.37	560
	JN19042-019	27.43	28.96	71.9				3.43	1.16		-0.05	0.13	20		0.246	0.26	14.5	4.5	0.19	516

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Cu (ppm)	Dy (ppm)	Er (ppm)	Eu (ppm)	Fe (pct)	Ga (ppm)	Gd (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	Ho (ppm)	In (ppm)	K (pct)	La (ppm)	Li (ppm)	Mg (pct)	Mn (ppm)
	JN19042-020	28.96	30.48	126.5				4.86	1.04		-0.05	0.11	40		0.517	0.21	9.7	3.8	0.09	543
	JN19042-021	30.48	32	94.3				3.18	0.98		-0.05	0.11	20		0.23	0.18	13.3	3.1	0.11	451
	JN19042-022	32	33.53	43.5				1.72	0.63		-0.05	0.06	10		0.106	0.11	10.4	2.1	0.07	271
	JN19042-023	33.53	35.05	45.3				1.7	0.62		-0.05	0.06	10		0.111	0.11	9.9	1.9	0.06	205
	JN19042-024	35.05	36.58	31.6				1.58	0.6		-0.05	0.05	10		0.087	0.09	8.8	1.9	0.07	178
	JN19042-025	36.58	38.1	30.6				1.6	0.58		-0.05	0.06	10		0.05	0.08	8.9	1.5	0.06	179
	JN19042-026	38.1	39.62	50.3				2.48	0.9		-0.05	0.09	20		0.093	0.14	12.8	2.5	0.13	307
JN19043	**JN19043-001**	**0**	**1.52**	**22.2**				**4.04**	**5.95**		**0.06**	**0.06**	**-10**		**0.025**	**0.2**	**28.1**	**51.1**	**0.75**	**400**
	JN19043-002	1.52	3.05	21.3				3.74	6.21		0.06	0.18	-10		0.025	0.24	25.4	59.1	0.78	364
	JN19043-003	3.05	4.57	26				4.05	6.31		0.07	0.2	-10		0.026	0.2	26.4	57.9	0.85	422
	JN19043-004	4.57	6.1	39.2				4.15	5.98		0.07	0.15	-10		0.034	0.21	25.5	52.9	0.83	659
	JN19043-005	6.1	7.62	53.1				4.84	6.05		0.06	0.13	10		0.043	0.3	23.8	52.5	0.78	1020
	JN19043-006	7.62	9.14	80.1				4.71	2.95		0.06	0.16	-10		0.021	0.39	26	14	0.37	573
	JN19043-007	9.14	10.67	122				3.57	1.82		0.05	0.14	-10		0.023	0.27	21.1	8.2	0.22	373
	JN19043-008	10.67	12.19	91.9				2.95	1.44		-0.05	0.13	10		0.056	0.22	15.4	6.7	0.18	460
	JN19043-009	12.19	13.72	57.7				2.63	1.2		-0.05	0.1	10		0.038	0.18	12.7	5.4	0.15	315
	JN19043-010	13.72	15.24	25.9				2.32	1.99		-0.05	0.13	-10		0.018	0.17	15.3	9.3	0.25	427
	JN19043-011	15.24	16.76	57.6				2.44	1.53		-0.05	0.1	10		0.019	0.15	12.9	7.4	0.25	394
	JN19043-012	16.76	18.29	21.1				1.44	0.61		-0.05	0.05	-10		0.017	0.06	7.5	3.7	0.08	230
	JN19043-013	18.29	19.05	24.9				1.12	0.63		-0.05	0.05	-10		0.016	0.07	8.7	2.4	0.05	132

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Mo (ppm)	Na (pct)	Nb (ppm)	Nd (ppm)	Ni (ppm)	P (pct)	Pb (ppm)	Pd (ppb)	Pr (ppm)	Pt (ppb)	Rb (ppm)	Re (ppm)	S (pct)	Sb (ppm)	Sc (ppm)	Se (ppm)	Sm (ppm)	Sn (ppm)
JN19020	**JN19020-001**	**24**	**25**	**0.39**	**0.01**	**-0.05**		**57**	**0.07**	**19.8**				**9.1**	**0.001**	**0.59**	**0.62**	**12.4**	**0.3**		**0.9**
	JN19020-002	33.69	34.53	0.37	0.12	0.29		43.4	0.04	12.7				74.8	-0.001	0.41	0.2	6.8	0.3		0.8
	JN19020-003	50	50.99	0.93	0.19	0.79		26.1	0.03	6.2				25.2	-0.001	0.45	0.16	3.4	0.4		0.8
	JN19020-004	66.53	67.36	0.13	0.09	0.24		2.3	0.01	3.8				2.3	-0.001	0.01	0.11	0.5	-0.2		1.1
	JN19020-005	67.36	67.9	0.17	0.12	0.14		8.4	0.01	3.5				10.7	-0.001	0.03	0.13	1.5	-0.2		1.5
	JN19020-006	87	88	0.19	0.01	-0.05		6.3	0.01	10.1				8.6	-0.001	0.05	0.21	0.8	-0.2		1.1
	JN19020-007	88	89	0.43	0.01	-0.05		8.9	0.01	3.7				6.1	-0.001	0.19	0.47	2.8	0.4		0.7
	JN19020-008	89	90	0.2	0.01	-0.05		6.6	0.01	3.6				6.8	-0.001	0.05	0.21	1.3	-0.2		0.3
	JN19020-009	90	91	0.16	0.01	-0.05		4.7	0.01	3.1				2.5	-0.001	0.01	0.13	1.4	-0.2		0.6
	JN19020-010	91	92	0.19	0.01	-0.05		5.8	0.01	14.2				10.5	-0.001	0.19	3.54	1.3	-0.2		2.2
	JN19020-011	92	93	0.19	0.01	-0.05		6.8	0.01	16.1				7	-0.001	0.11	0.28	1.1	-0.2		1
	JN19020-012	93	94	0.15	0.01	-0.05		7.9	0.01	201				13.8	-0.001	0.73	7.08	1	0.3		2.7
	JN19020-013	94	95	0.12	0.01	-0.05		8.2	0.01	114.5				12.6	-0.001	0.33	0.36	0.8	-0.2		1.7
	JN19020-014	95	96	0.13	0.01	-0.05		8.7	0.01	15.5				7.5	-0.001	0.13	0.36	1.2	-0.2		0.6
	JN19020-015	96	97	0.22	0.01	-0.05		5.7	0.01	4.1				4.6	-0.001	0.04	0.17	1.5	-0.2		0.3
	JN19020-016	111.15	112.5	67.9	0.01	-0.05		69.9	0.09	8.1				1.9	0.001	0.4	1.48	12.9	0.5		5
	JN19020-017	112.5	114	2.3	0.01	-0.05		45.4	0.04	6.2				6.5	-0.001	1.73	1.6	6.7	-0.2		2.5
	JN19020-018	114	115.5	5.18	0.01	-0.05		74	0.08	14.9				8.8	0.002	8.31	22	3.6	1.2		9
	JN19020-019	115.5	117	1.8	0.01	-0.05		75.5	0.05	14.5				15.1	0.001	9.08	30.6	2.1	1.3		3.9
	JN19020-020	150	151.5	1.07	0.01	-0.05		59.3	0.04	22.1				2.8	0.004	5.49	5.13	3.2	1.5		1.8
	JN19020-021	151.5	153	1.22	0.01	-0.05		37.7	0.11	18.7				1.7	0.002	3.33	2.55	4.9	0.9		2.8
	JN19020-022	153	154.5	0.78	0.01	-0.05		27.4	0.07	13.1				2.1	0.001	1.76	2.01	3.7	1		1
	JN19020-023	154.5	156	0.43	0.01	-0.05		10.2	0.05	7.8				1.6	0.001	0.85	0.82	2.3	0.8		0.3
	JN19020-024	156	157.5	0.39	0.01	-0.05		17.5	0.02	8.1				1	0.001	1.05	0.9	2.5	0.9		0.8
	JN19020-025	157.5	159	0.35	0.01	-0.05		16.7	0.04	7.4				1	0.003	0.78	1	3.2	0.7		1.3
	JN19020-026	159	160	0.42	0.01	-0.05		24.1	0.07	11.4				1.4	0.001	1.58	1.87	2.4	1.2		0.8
	JN19020-027	160	161	0.5	0.01	-0.05		22.9	0.07	12.9				1.2	0.002	1.52	1.49	2.1	1.5		1.2
	JN19020-028	161	162	0.92	0.01	-0.05		27.3	0.22	19.6				7.8	0.004	2.12	1.52	3.1	2.3		1.6
	JN19020-029	162	163	0.82	0.01	-0.05		52.6	0.14	32.9				6.2	0.002	3.84	4.73	3.1	1.6		4
	JN19020-030	163	163.5	1.72	0.01	0.06		57.6	0.05	18.1				5.4	0.002	10	30.6	4	2.7		52.1
	JN19020-031	163.5	164	4.05	0.01	0.08		29	0.01	4.1				5.5	0.001	10	60.3	6	9.1		78.5
	JN19020-032	164	164.5	4.14	0.01	0.05		25.8	0	3.2				6.7	0.002	10	52.6	4.3	11.5		36.8
	JN19020-033	164.5	165	2.15	0.01	-0.05		46.4	0	2.4				1.1	0.001	10	65.2	4.7	14		15.7
	JN19020-034	165	165.5	2.47	0.01	-0.05		29.4	0.02	3.8				1.8	0.001	10	50.6	2.9	11.6		103.5
	JN19020-035	165.5	166	1.47	0.06	0.51		6.3	0.02	2.6				2.9	-0.001	10	5.94	1.5	12.3		138.5
	JN19020-036	166	166.89	1.15	0.04	0.33		10.3	0.03	2.1				2.9	-0.001	10	87.6	1.5	12.4		142.5
	JN19020-037	166.89	168	1.27	0.01	-0.05		16.5	0.02	2.7				2.6	-0.001	3.52	10.3	16.3	0.4		83.7
	JN19020-038	168	169	0.34	0.01	0.06		19.8	0.02	3.2				5.8	-0.001	0.5	1.4	12	-0.2		172
	JN19020-039	169	170	0.11	0.01	0.29		4.4	0.04	1.4				2.8	-0.001	0.24	0.53	5.1	-0.2		288
	JN19020-040	170	171	2.3	0.02	-0.05		6.4	0.05	4.1				3.6	-0.001	0.05	0.75	5.3	-0.2		83.5
	JN19020-041	171	172	0.06	0.11	0.26		3	0.02	1.2				6.1	-0.001	0.58	0.52	2.5	-0.2		149
	JN19020-042	172	172.82	0.32	0.06	0.25		13	0.04	1.8				2.3	-0.001	6.85	1.84	4.6	4.2		175
	JN19020-043	172.82	174	0.44	0.09	0.43		6.8	0.02	1.5				3.2	-0.001	0.59	1.69	3.4	0.5		109
	JN19020-044	174	175	0.55	0.18	0.62		3.9	0.03	1.4				6.3	-0.001	0.28	0.49	2.2	0.2		109.5
	JN19020-045	175	176	5.16	0.03	0.29		1.6	0.04	9.9				15.4	-0.001	0.17	0.94	3.6	-0.2		3.4
	JN19020-046	176	177	1.13	0.03	0.14		1.4	0.05	8.6				9.8	-0.001	0.16	0.39	3.5	-0.2		2.2
	JN19020-047	177	178.18	1.32	0.03	0.26		1.4	0.04	13.1				8.2	-0.001	0.14	0.34	3.3	-0.2		2.8
	JN19020-048	178.33	179.46	1.05	0.01	0.05		12.6	0.02	2.2				0.2	-0.001	3.18	4.12	1.3	2.3		66.5
	JN19020-049	179.46	180.44	0.14	0.02	0.05		9.4	0.02	1.1				0.1	-0.001	0.35	1.04	4.5	-0.2		75.8
	JN19020-050	180.44	181	0.06	0.02	-0.05		2.3	0.03	0.7				1.8	-0.001	0.27	0.15	0.1	-0.2		11
	JN19020-051	181	182	0.18	0.02	-0.05		1	0.01	0.6				2.1	-0.001	0.18	0.12	0.1	-0.2		6.8
	JN19020-052	182	183	8.34	0.03	0.25		1.6	0.01	1.9				3.4	0.002	0.22	0.12	0.2	-0.2		12.7
	JN19020-053	183	184	0.28	0.04	0.07		1.3	0.02	2.7				2.5	-0.001	0.1	0.22	0.2	-0.2		14.5
	JN19020-054	184	184.75	1.07	0.02	0.06		7.5	0.09	1.9				3.9	-0.001	0.1	0.24	1.6	-0.2		7.8
	JN19020-055	184.75	185.59	0.12	0.03	-0.05		1.6	0.02	0.8				2.7	-0.001	0.29	0.19	0.2	-0.2		11.3
	JN19020-056	185.59	186.29	8.83	0.01	0.1		35.6	0.02	10.5				38.7	0.001	0.76	0.61	6.6	-0.2		3.6
	JN19020-057	186.29	187	12.85	0.02	-0.05		42.8	0.05	18.2				35.4	-0.001	1.03	0.7	3.5	-0.2		1.7
	JN19020-058	187	189	16.15	0.02	0.05		40.6	0.07	9.8				40.1	-0.001	0.81	0.64	4.7	-0.2		1
	JN19020-059	189	190	2.61	0.02	0.09		34	0.08	7.2				52.5	-0.001	0.44	2.08	4.3	-0.2		1
	JN19020-060	190	191	8.26	0.01	-0.05		36.5	0.02	11.5				26.6	-0.001	0.49	5	3.6	-0.2		0.7
	JN19020-061	191	192	1.8	0.01	-0.05		40.8	0.05	43.6				32.4	-0.001	1.51	9.19	2.1	-0.2		1.8
	JN19020-062	192	193	3.66	0.01	-0.05		39	0.04	37.4				31.9	-0.001	1.39	6.19	1.9	-0.2		2.6
	JN19020-063	193	194	1.59	0.01	0.07		38.6	0.02	62.2				43.8	-0.001	0.83	2.98	3.5	-0.2		1.4
	JN19020-064	194	195	4.49	0.01	-0.05		36.1	0.07	13.3				31.7	-0.001	0.26	1.05	5.9	-0.2		2.3

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Mo (ppm)	Na (pct)	Nb (ppm)	Nd (ppm)	Ni (ppm)	P (pct)	Pb (ppm)	Pd (ppb)	Pr (ppm)	Pt (ppb)	Rb (ppm)	Re (ppm)	S (pct)	Sb (ppm)	Sc (ppm)	Se (ppm)	Sm (ppm)	Sn (ppm)
	JN19020-065	195	196	5.61	0.01	-0.05		40.6	0.04	13.5				23.4	-0.001	0.88	1.33	5.1	-0.2		1.5
	JN19020-066	196	197	3.19	-0.01	-0.05		22	0.04	18.4				18.1	-0.001	1.05	1.47	2.5	-0.2		1.9
	JN19020-067	197	198	1.97	-0.01	-0.05		7.6	0.01	31.9				9.6	-0.001	0.79	3.19	1.1	-0.2		1.4
	JN19020-068	198	199	4.17	-0.01	-0.05		13.7	0.01	19.2				13.7	0.001	0.62	1.38	1.5	-0.2		1.7
	JN19020-069	199	200	0.39	-0.01	-0.05		7	0.01	4.3				6.8	-0.001	0.62	2.11	1.5	-0.2		1
	JN19020-070	200	201	1.93	-0.01	-0.05		17.5	0.02	6				13.5	-0.001	0.68	1.33	1.9	-0.2		1.3
	JN19020-071	201	202	4.2	-0.01	-0.05		27.2	0.03	21.8				21.5	-0.001	0.88	1.63	2.6	-0.2		2.8
	JN19020-072	202	203	5.11	-0.01	-0.05		14.6	0.03	22.1				13.3	-0.001	0.84	2.56	2.6	-0.2		1.8
	JN19020-073	203	204	1.94	-0.01	-0.05		5.5	0.01	5.1				5.3	-0.001	0.19	0.78	1.7	-0.2		1.8
	JN19020-074	204	205	0.7	-0.01	-0.05		8.7	0.01	1.6				6.2	-0.001	1.25	8.56	0.9	0.2		1.3
	JN19020-075	205	206	0.44	-0.01	-0.05		6.9	0.01	0.9				3.6	-0.001	0.03	0.19	2.4	-0.2		0.7
	JN19020-076	206	207	0.47	-0.01	-0.05		9.3	0.01	1.1				3.6	-0.001	0.03	0.21	2.3	-0.2		0.7
	JN19020-077	207	208	1.04	-0.01	-0.05		13.6	0.01	2.9				7.7	-0.001	0.07	0.33	3.3	-0.2		0.7
	JN19020-078	208	209	1.4	-0.01	-0.05		20.6	0.01	11.7				12.3	-0.001	0.24	0.43	5	-0.2		1.2
	JN19020-079	209	210	2.55	-0.01	-0.05		35.3	0.04	68.3				23	-0.001	1.4	1.01	4	0.2		1.5
	JN19020-080	210	211	3.57	-0.01	-0.05		34.1	0.05	80.6				25.4	-0.001	1.1	0.69	3.2	-0.2		1.3
	JN19020-081	211	212	4.4	-0.01	-0.05		37.6	0.02	11.7				14	-0.001	0.19	0.72	6.6	0.2		1.5
	JN19020-082	212	213	7.1	-0.01	-0.05		16.5	0.05	9.1				11.5	-0.001	0.07	0.67	4.5	-0.2		0.8
	JN19020-083	213	214	0.74	-0.01	-0.05		17.2	0.02	4.6				10.4	-0.001	0.16	0.32	3.7	-0.2		1
	JN19020-084	214	215	0.87	-0.01	-0.05		25.6	0.02	19.4				16.5	-0.001	0.53	0.8	3.4	-0.2		0.8
	JN19020-085	215	216.5	1.57	-0.01	-0.05		22.9	0.01	2.9				9.7	-0.001	0.05	0.3	3.5	-0.2		1
	JN19020-086	216.5	218	3.67	-0.01	-0.05		44.2	0.04	11.8				18.6	0.001	0.14	0.6	6.8	-0.2		0.9
	JN19020-087	218	219.5	0.96	-0.01	-0.05		41.6	0.06	19.9				23.6	-0.001	0.37	0.69	7.5	-0.2		0.9
	JN19020-088	219.5	220.5	1.08	-0.01	0.05		40.2	0.05	61.6				31.4	-0.001	0.72	0.69	3.8	-0.2		0.7
	JN19020-089	220.5	222	0.71	-0.01	0.08		16.3	0.01	4.8				26.6	-0.001	0.26	0.38	2.9	-0.2		0.8
JN19021	**JN19021-001**	**16**	**17**	**0.2**	**0.01**	**-0.05**		**8.1**	**0.02**	**7.8**				**5.3**	**-0.001**	**1.04**	**1.64**	**1.5**	**0.2**		**2.9**
	JN19021-002	17	18	0.36	0.01	-0.05		6.3	0.02	55.8				9.9	-0.001	0.47	2	0.7	0.3		1.9
	JN19021-003	18	19	0.81	0.01	-0.05		8.3	0.02	238				10.3	-0.001	1.35	18.7	0.4	1.2		2.6
	JN19021-004	19	20	0.17	0.01	-0.05		2.5	0.01	159				6.2	-0.001	0.13	0.45	0.3	-0.2		2
	JN19021-005	20	21	0.13	0.01	-0.05		3.5	0.01	51.7				4.8	-0.001	0.13	0.39	0.2	-0.2		1.5
	JN19021-006	21	22	0.14	0.01	-0.05		7.5	0.01	42.5				9.8	-0.001	0.16	0.69	0.5	-0.2		2.3
	JN19021-007	22	23	0.11	-0.01	-0.05		9.5	0.01	34.6				6.8	-0.001	0.18	0.73	0.5	-0.2		1.3
	JN19021-008	23	24.5	0.15	0.01	-0.05		10.4	0.01	20.5				8.8	-0.001	0.4	0.89	0.7	-0.2		1.4
	JN19021-009	24.5	26	0.13	0.01	-0.05		8.2	0.01	74.5				6.9	-0.001	0.7	1.21	0.4	-0.2		2.4
	JN19021-010	204	205.5	0.94	0.01	-0.05		39.8	0.2	23.9				10.2	0.002	1.9	1.9	9.7	0.3		9.3
	JN19021-011	205.5	207	1.11	0.01	-0.05		34	0.03	9.5				3.1	0.001	2.38	5.43	22.4	0.3		72.1
	JN19021-012	207	208.5	0.77	-0.01	-0.05		28.4	0.03	22				1.8	0.001	2.12	4.9	6.7	0.5		6.8
	JN19021-013	208.5	210	0.4	0.01	-0.05		25.7	0.05	16				1	0.001	2.29	3.43	5	0.6		5.8
	JN19021-014	210	211.5	2.4	0.01	-0.05		22.4	0.07	24.8				1.5	0.001	2.41	11.05	7.4	0.9		10.1
	JN19021-015	211.5	213	2.55	0.01	-0.05		32.3	0.15	99				1.2	0.001	2.7	4.46	9	1.2		7.8
	JN19021-016	213	214.5	1.25	0.01	-0.05		11.2	0.08	46.1				6.3	0.001	2.39	8.82	1.9	0.7		5.9
	JN19021-017	214.5	216	0.63	0.01	-0.05		11.4	0.04	11.9				6	-0.001	1.93	17.7	1.3	0.3		9.4
	JN19021-018	216	217	0.57	-0.01	-0.05		3.8	0.03	19.4				5	-0.001	0.83	9.07	0.4	0.3		7.9
	JN19021-019	217	218.5	0.54	0.01	-0.05		11.4	0.03	10.7				2.9	0.001	1.88	17	1.1	0.5		5.2
	JN19021-020	218.5	220	0.75	0.01	-0.05		23.5	0.02	17.7				7.6	-0.001	10	95.4	0.7	2.9		29.4
	JN19021-021	220	221.5	1.15	-0.01	-0.05		18.4	0.03	11.7				5.2	-0.001	3.45	34.2	0.5	0.7		16.1
	JN19021-022	221.5	223	1.07	-0.01	-0.05		29.4	0.07	17.4				3.3	0.001	6.28	65.7	0.5	2		32.8
	JN19021-023	223	224.5	0.92	0.01	-0.05		30.5	0.09	17.7				1.3	0.002	4.44	40.3	1.6	1.7		15.4
	JN19021-024	224.5	226	1.91	-0.01	-0.05		36.5	0.14	33.7				1.1	0.005	3.5	11.75	2.2	2.7		5.1
	JN19021-025	226	227.5	1	-0.01	-0.05		24.8	0.15	27.1				0.7	0.005	2.35	1.74	2	2.3		0.9
	JN19021-026	227.5	230	0.35	0.01	-0.05		17	0.07	8.9				1.1	0.001	1.19	1.18	2.7	1.2		0.5
	JN19021-027	230	231.5	0.36	0.01	-0.05		20.1	0.02	10.6				1.8	0.001	1.15	1.04	3.2	0.8		0.7
	JN19021-028	231.5	233	0.1	0.01	-0.05		2.7	0.02	2.5				0.6	-0.001	0.21	0.67	1	0.6		-0.2
	JN19021-029	233	234.5	0.18	0.01	-0.05		8.2	0.01	7.3				1.4	-0.001	0.56	1.67	1.9	0.5		0.2
	JN19021-030	234.5	236	0.31	0.01	-0.05		28.8	0.02	22				4.8	0.001	1.57	1.4	4.6	0.6		0.7
	JN19021-031	236	237.5	0.36	0.01	-0.05		16.9	0.04	14.9				1.9	0.001	1.62	6.96	2.2	1.1		1.5
	JN19021-032	237.5	239	0.29	0.01	0.15		19.1	0.03	7				3.3	0.001	0.71	1.74	10.7	0.5		354
	JN19021-033	239	240.16	0.37	0.01	0.32		25.6	0.05	6.8				2.1	0.001	0.69	2.74	8.5	0.4		412
	JN19021-034	240.16	242	0.88	0.01	-0.05		69.4	0.06	27.3				3.6	0.002	3.26	8.66	5.7	1.2		42.7
	JN19021-035	242	243.5	0.2	0.01	0.15		9.7	0.03	5.6				4	-0.001	0.41	1.62	9.8	0.3		229
	JN19021-036	243.5	246	0.1	0.01	0.37		9.2	0.05	3.2				1.1	-0.001	0.21	1.1	11.8	-0.2		403
	JN19021-037	246	247	4.25	0.01	0.09		24	0.01	2.3				0.4	-0.001	10	22.4	2	6.6		209
	JN19021-038	247	248	1.79	0.02	0.14		13.6	0.03	2.7				1.3	-0.001	10	0.82	0.9	8.1		238
	JN19021-039	248	249	0.31	0.09	0.95		6	0.02	2				43	0.003	10	2.16	1.6	14.4		268

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Mo (ppm)	Na (pct)	Nb (ppm)	Nd (ppm)	Ni (ppm)	P (pct)	Pb (ppm)	Pd (ppb)	Pr (ppm)	Pt (ppb)	Rb (ppm)	Re (ppm)	S (pct)	Sb (ppm)	Sc (ppm)	Se (ppm)	Sm (ppm)	Sn (ppm)
	JN19021-040	249	249.58	0.33	0.03	0.86		5.9	0.01	1.8				83.5	0.001	10	1.59	2.1	25.5		31.8
	JN19021-041	249.58	250.5	0.18	0.04	0.71		13.2	0.02	1.5				5.9	0.001	6.77	1.48	0.7	10.9		368
	JN19021-042	250.5	251.15	0.15	0.03	0.11		11.1	0.01	1.1				3.6	-0.001	4.46	1.37	0.4	6.6		55.4
	JN19021-043	251.15	252.45	0.24	0.07	0.31		22.1	0.01	1.8				19.4	0.001	8.96	0.63	1.2	8.8		132
	JN19021-044	252.45	253	1.25	0.03	0.25		42.9	0.02	3.1				40.8	-0.001	10	4.23	0.9	11.5		38
	JN19021-045	253	253.84	1.08	0.01	0.49		21.2	0.01	88.1				98.9	0.005	3.76	7.13	2.3	3.4		19.3
	JN19021-046	253.84	255	1.76	0.04	0.22		37.4	0.02	1.9				141	0.004	0.1	0.29	7.7	-0.2		1.8
	JN19021-047	255	256	0.7	0.03	0.27		39	0.05	1.6				147.5	-0.001	0.14	0.16	7.8	-0.2		1.8
	JN19021-048	256	257	0.49	0.02	0.18		33.6	0.04	1				123	-0.001	0.08	0.18	4.3	-0.2		1.2
	JN19021-049	257	258	0.7	0.02	0.21		41.2	0.04	1.5				107.5	-0.001	0.19	0.23	4.9	0.2		1.1
	JN19021-050	258	259	2.12	0.02	0.21		40.2	0.04	2.4				132.5	-0.001	0.18	0.25	7.2	0.2		1.6
	JN19021-051	259	260	1.63	0.01	0.24		32.2	0.04	2.3				130.5	-0.001	0.11	0.21	5.2	0.3		1.3
	JN19021-052	260	261	0.46	0.04	0.21		30.6	0.03	0.9				124.5	0.001	0.1	0.08	8.2	-0.2		1.3
	JN19021-053	261	262.5	0.7	0.07	0.1		13.7	0.02	2.8				25.5	-0.001	0.03	0.05	2.3	0.2		0.6
	JN19021-054	262.5	264	0.85	0.04	0.16		21.1	0.01	1.9				43.2	0.001	0.1	0.09	2.7	0.2		1.1
	JN19021-055	264	265.5	0.36	0.07	0.25		13.1	0.01	1				35	-0.001	0.05	-0.05	2.9	0.2		0.7
	JN19021-056	265.5	267	0.31	0.07	0.28		21.4	0.01	1.2				58.7	-0.001	0.37	0.07	4	0.6		1.1
	JN19021-057	267	268.5	0.51	0.01	0.14		40.3	0.03	3.3				51.1	-0.001	0.16	0.29	3.3	-0.2		1.2
	JN19021-058	268.5	270	0.89	-0.01	-0.05		27	0.05	19.4				17.3	-0.001	0.12	0.79	3.7	-0.2		0.9
	JN19021-059	270	271.5	0.58	0.05	0.22		18.4	0.02	1.3				31.4	-0.001	0.21	0.16	3.8	-0.2		1.1
	JN19021-060	271.5	273	0.43	0.04	0.29		24.4	0.03	1.7				68	0.001	0.15	0.24	3.6	0.2		1.7
	JN19021-061	273	274.5	0.4	0.02	0.27		35.4	0.04	2				107	-0.001	0.13	0.11	4.2	0.2		1.9
	JN19021-062	274.5	276	0.63	0.03	0.26		33	0.05	2.9				86	-0.001	0.32	0.15	5.4	0.5		1.7
	JN19021-063	276	277.5	1.21	0.03	0.25		29.4	0.02	1.4				89.9	-0.001	0.13	0.12	6.1	-0.2		1.5
	JN19021-064	277.5	279	0.44	0.07	0.21		18.6	0.01	1.1				49.4	-0.001	0.11	0.09	4.5	0.2		1.1
	JN19021-065	279	280.5	0.74	0.07	0.2		12.1	0.01	1.5				26.8	-0.001	0.04	0.05	3.2	0.3		1
	JN19021-066	280.5	282	480	0.05	0.24		7	0.01	1.7				12.9	0.013	0.05	-0.05	1.6	0.3		0.4
	JN19021-067	282	283.5	6.72	0.04	0.19		27.7	0.03	4.3				34.1	-0.001	0.18	0.17	3.1	0.2		0.5
	JN19021-068	283.5	285	0.78	0.03	0.23		19.5	0.02	1.8				38.9	-0.001	0.1	0.2	3.7	-0.2		0.4
	JN19021-069	285	286.5	1.11	0.06	0.09		6.8	0.01	1.8				10.9	-0.001	0.02	0.05	1.7	-0.2		0.5
	JN19021-070	286.5	288	0.63	0.05	0.24		5.9	0.01	1.9				8.4	-0.001	0.03	-0.05	1.4	-0.2		0.3
	JN19021-071	288	289.5	0.59	0.03	0.22		20.9	0.02	1.6				51	-0.001	0.15	0.08	3.6	-0.2		0.5
	JN19021-072	289.5	291	0.4	0.02	0.2		32.8	0.04	3.4				64.4	-0.001	0.24	0.2	4.3	-0.2		0.7
	JN19021-073	291	292	0.29	0.06	0.22		27.1	0.01	2.5				69.3	-0.001	0.2	0.05	5.1	-0.2		0.8
JN19022	**JN19022-001**	**0**	**1.52**	**5.34**	**0.01**	**0.26**		**27.3**	**0.05**	**21.1**				**7.2**	**-0.001**	**0.02**	**0.67**	**1.5**	**0.2**		**0.3**
	JN19022-002	1.52	3.05	2.56	0.01	-0.05		31.8	0.06	14.7				4.5	-0.001	0.01	0.85	1.6	-0.2		0.2
	JN19022-003	3.05	4.57	1.4	0.01	-0.05		16.3	0.02	8.3				4.3	-0.001	0.03	0.66	0.7	0.2		0.3
	JN19022-004	4.57	6.1	1.53	0.01	-0.05		15.9	0.01	4.3				4.4	-0.001	0.01	0.92	0.7	-0.2		0.9
	JN19022-005	6.1	7.62	1.83	-0.01	-0.05		26.3	0.04	3.8				8.3	-0.001	0.02	0.96	1.1	-0.2		3.3
	JN19022-006	7.62	9.14	1.26	-0.01	-0.05		14.6	0.02	8.8				6.4	-0.001	0.01	0.55	0.8	0.3		1.8
	JN19022-007	9.14	10.67	0.87	0.01	-0.05		10.8	0.01	29.5				5.9	-0.001	0.16	0.74	0.6	-0.2		1.1
	JN19022-008	10.67	12.19	0.63	0.01	-0.05		15.4	0.02	3.9				6.4	-0.001	0.05	0.7	1.1	-0.2		1
	JN19022-009	12.19	13.72	0.64	0.01	-0.05		10.8	0.02	3.3				5.2	-0.001	0.15	0.42	0.8	-0.2		0.7
	JN19022-010	13.72	15.24	0.53	-0.01	-0.05		10.4	0.01	2.3				3.9	-0.001	0.13	0.32	0.8	-0.2		0.3
	JN19022-011	15.24	16.76	0.55	-0.01	-0.05		9.6	0	2.7				4.5	-0.001	0.19	0.59	0.7	-0.2		0.4
	JN19022-012	16.76	18.29	0.56	0.01	-0.05		10.8	0	1.6				3	-0.001	0.23	1.23	0.6	-0.2		0.4
	JN19022-013	18.29	19.81	0.66	0.01	-0.05		16.4	0.01	1.9				5.7	-0.001	0.28	0.52	1.3	-0.2		0.6
	JN19022-014	19.81	21.34	0.55	0.01	-0.05		10.5	0	1.5				2.7	-0.001	0.16	0.49	1.1	-0.2		0.2
	JN19022-015	21.34	22.86	0.58	-0.01	-0.05		8.6	0.01	1.3				3.1	-0.001	0.09	0.24	0.8	-0.2		0.2
	JN19022-016	22.86	24.38	0.7	0.01	-0.05		13	0	4.7				4.7	0.001	0.42	2.09	0.6	-0.2		0.3
	JN19022-017	24.38	25.91	0.79	0.01	-0.05		18.5	0.01	2.7				5.8	0.001	0.33	0.84	0.7	-0.2		0.4
	JN19022-018	25.91	27.43	0.75	0.01	-0.05		26.9	0.05	2.4				5.7	-0.001	0.3	0.96	1	-0.2		0.4
	JN19022-019	27.43	28.96	0.65	-0.01	-0.05		8.6	0	1.4				3.7	-0.001	0.09	0.35	0.6	-0.2		0.4
	JN19022-020	28.96	30.48	0.66	0.01	-0.05		8.1	0	33.9				2.9	-0.001	0.15	0.72	0.5	0.2		0.2
JN19023	**JN19023-001**	**0**	**1.52**	**1.35**	**0.12**	**0.83**		**28.5**	**0.06**	**13**				**5.5**	**-0.001**	**0.01**	**0.56**	**1.7**	**0.2**		**0.2**
	JN19023-002	1.52	3.04	1.06	0.01	-0.05		30.4	0.04	12.7				5.1	-0.001	0.01	0.67	1.6	-0.2		0.2
	JN19023-003	3.04	4.57	1.01	0.01	-0.05		22	0.02	5.3				4.4	0.001	0.02	0.6	0.8	-0.2		0.3
	JN19023-004	4.57	6.1	0.87	0.01	-0.05		16.2	0.02	2.5				4.7	-0.001	-0.01	0.58	0.9	-0.2		0.5
	JN19023-005	6.1	7.62	0.72	0.01	-0.05		11.2	0.01	1.9				4.5	-0.001	0.02	0.63	0.9	-0.2		0.6
	JN19023-006	7.62	9.14	0.54	0.01	-0.05		14.5	0.01	2.1				3.1	-0.001	0.01	0.41	1.3	-0.2		0.9
	JN19023-007	9.14	10.67	0.54	0.01	-0.05		9.5	0.01	6.7				4.9	-0.001	0.1	0.95	0.6	-0.2		0.8
	JN19023-008	10.67	12.19	0.49	0.01	-0.05		7.9	0.01	2.2				5.1	-0.001	0.05	0.32	1	-0.2		1.3
	JN19023-009	12.19	13.72	0.51	0.01	-0.05		9	0.01	2.1				5.1	-0.001	0.15	0.52	1	-0.2		2.4

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Mo (ppm)	Na (pct)	Nb (ppm)	Nd (ppm)	Ni (ppm)	P (pct)	Pb (ppm)	Pd (ppb)	Pr (ppm)	Pt (ppb)	Rb (ppm)	Re (ppm)	S (pct)	Sb (ppm)	Sc (ppm)	Se (ppm)	Sm (ppm)	Sn (ppm)
	JN19023-010	13.72	15.24	0.54	0.01	-0.05		6.7	0.01	3.4				5.5	0.001	0.19	0.39	0.8	-0.2		1.3
	JN19023-011	15.24	16.76	0.61	0.01	-0.05		4.3	0.01	1.8				7.4	-0.001	0.09	0.26	0.7	-0.2		1.1
	JN19023-012	16.76	18.29	0.67	0.01	-0.05		22.8	0.03	11.8				7.7	-0.001	1.05	3.64	0.7	0.4		1.6
	JN19023-013	18.29	19.81	0.55	0.01	-0.05		17	0.01	4.3				4.8	0.001	0.27	0.42	0.9	-0.2		0.5
	JN19023-014	19.81	21.34	0.66	0.01	-0.05		12.4	0.05	19.7				9.1	-0.001	0.82	0.41	0.7	-0.2		1.6
	JN19023-015	21.34	22.86	0.57	0.01	-0.05		10.6	0.02	4.2				7.5	-0.001	0.13	0.27	0.8	-0.2		0.9
	JN19023-016	22.86	24.38	0.56	0.01	-0.05		12.9	0.02	3.4				6.1	-0.001	0.03	0.39	0.8	0.2		0.7
	JN19023-017	24.38	25.91	0.43	0.01	-0.05		13.9	0.01	2.6				5.7	-0.001	0.09	0.56	0.8	-0.2		1.1
	JN19023-018	25.91	27.43	0.5	0.01	-0.05		8.5	0.02	3.4				4.6	-0.001	0.07	0.44	0.8	-0.2		1.7
	JN19023-019	27.43	28.96	0.58	0.01	-0.05		14	0.02	3.1				6.2	-0.001	0.18	0.54	0.9	-0.2		1.7
	JN19023-020	28.96	30.48	0.51	0.01	-0.05		15.3	0.02	2.9				6.7	-0.001	0.17	0.56	1.1	-0.2		1.8
JN19024	**JN19024-001**	**0**	**1.52**	**1.57**	**0.01**	**0.07**		**14.1**	**0.02**	**12.5**				**4.2**	**0.001**	**0.06**	**0.45**	**1**	**-0.2**		**0.2**
	JN19024-002	1.52	3.05	0.56	0.01	0.05		26.9	0.03	15.2				5.4	-0.001	0.03	0.71	1.5	-0.2		0.2
	JN19024-003	3.05	4.57	0.88	0.01	-0.05		22.2	0.04	12.2				3.9	-0.001	0.01	0.88	1.3	-0.2		0.2
	JN19024-004	4.57	6.1	0.87	0.01	-0.05		15	0.02	7.8				4.2	-0.001	0.05	0.75	0.8	-0.2		0.4
	JN19024-005	6.1	7.62	0.81	-0.01	-0.05		12.2	0.01	4.4				4	-0.001	0.04	0.74	0.6	-0.2		0.3
	JN19024-006	7.62	9.14	1.11	0.01	-0.05		10.2	0.02	11				5.4	-0.001	0.02	0.55	0.6	-0.2		0.5
	JN19024-007	9.14	10.67	0.5	-0.01	-0.05		7.6	0.01	5				3.9	-0.001	0.03	0.54	0.6	-0.2		0.3
	JN19024-008	10.67	12.19	0.47	0.01	-0.05		11.2	0.01	3.7				6.9	-0.001	0.09	0.5	0.7	-0.2		1.3
	JN19024-009	12.19	13.72	0.52	0.01	-0.05		13.7	0.01	4.5				7.2	-0.001	0.54	1.2	0.8	-0.2		1
	JN19024-010	13.72	15.24	0.47	0.01	-0.05		29.3	0.02	10.5				8.8	-0.001	0.69	1.02	1.5	0.2		1.2
	JN19024-011	15.24	16.76	0.24	0.01	-0.05		68.2	0.04	22.3				9.9	-0.001	0.77	2.11	3.6	0.4		2.9
	JN19024-012	16.76	18.29	0.21	0.01	-0.05		51.4	0.02	4.6				6	-0.001	0.1	0.59	1.6	-0.2		0.3
	JN19024-013	18.29	19.81	0.39	0.01	-0.05		33.6	0.02	23.7				5.8	-0.001	0.34	0.6	1.5	0.2		0.4
	JN19024-014	19.81	21.34	0.36	0.01	-0.05		13.8	0.01	9.1				4.9	-0.001	0.22	0.47	1.1	-0.2		0.5
	JN19024-015	21.34	22.86	0.66	0.01	-0.05		9.8	0.01	6.5				3.5	-0.001	0.22	0.34	0.6	-0.2		0.2
	JN19024-016	22.86	24.38	0.57	0.01	-0.05		8.1	0.01	3.8				2.8	-0.001	0.15	0.26	0.8	-0.2		-0.2
	JN19024-017	24.38	25.91	0.57	0.01	-0.05		8.3	0.01	3.9				3.3	-0.001	0.14	1.52	0.8	-0.2		0.2
	JN19024-018	25.91	27.43	0.58	0.01	-0.05		9.6	0.01	2.2				3.9	-0.001	0.15	0.61	0.7	-0.2		-0.2
	JN19024-019	27.43	28.96	0.53	-0.01	-0.05		17.4	0.03	8.8				4.9	-0.001	0.18	0.71	1.2	-0.2		-0.2
	JN19024-020	28.96	30.48	0.59	0.01	-0.05		18.7	0.01	4.1				4.6	-0.001	0.2	0.64	1.4	-0.2		-0.2
JN19025	**JN19025-001**	**0**	**1.52**	**1.18**	**0.02**	**0.1**		**29.2**	**0.04**	**16.6**				**5.7**	**-0.001**	**0.02**	**0.69**	**1.6**	**-0.2**		**0.2**
	JN19025-002	1.52	3.05	0.95	0.02	-0.05		25.3	0.03	12.5				6.4	-0.001	0.02	0.59	0.9	-0.2		0.5
	JN19025-003	3.05	4.57	0.76	0.01	-0.05		22.6	0.03	3.2				6.1	-0.001	-0.01	0.52	1	-0.2		0.8
	JN19025-004	4.57	6.1	0.71	0.01	-0.05		15.7	0.02	2.3				6.7	-0.001	0.01	0.64	0.7	-0.2		0.7
	JN19025-005	6.1	7.62	0.82	0.02	-0.05		21.4	0.02	6.5				8.2	-0.001	0.05	0.75	1.2	-0.2		1.6
	JN19025-006	7.62	9.14	0.79	0.02	-0.05		19.4	0.01	27.6				6.1	-0.001	0.29	0.85	0.7	-0.2		1.1
	JN19025-007	9.14	10.67	0.57	0.02	-0.05		18.7	0.02	10.4				7	-0.001	0.25	0.6	0.9	-0.2		1.8
	JN19025-008	10.67	12.19	0.42	0.02	-0.05		9	0.01	2				4.7	-0.001	0.1	0.32	0.7	-0.2		0.5
	JN19025-009	12.19	13.71	0.37	0.02	-0.05		8.7	0.01	1.9				4.2	-0.001	0.1	0.29	0.8	-0.2		0.5
	JN19025-010	13.71	15.24	0.31	0.01	-0.05		8.3	0.01	1.7				5.7	-0.001	0.28	0.48	0.6	-0.2		0.8
	JN19025-011	15.24	16.76	0.54	0.01	-0.05		11.1	0.03	2.4				5.1	-0.001	0.22	0.57	0.6	-0.2		0.3
	JN19025-012	16.76	18.29	0.43	0.01	-0.05		11.1	0.01	1.5				3.9	-0.001	0.1	0.44	0.7	-0.2		0.3
	JN19025-013	18.29	19.81	0.42	0.01	-0.05		10	0.02	1.4				3.7	-0.001	0.11	0.42	0.8	-0.2		0.2
	JN19025-014	19.81	21.34	0.43	0.01	-0.05		10.6	0.01	1.6				4	-0.001	0.15	0.59	0.8	-0.2		0.4
	JN19025-015	21.34	22.86	0.46	0.02	-0.05		11	0.01	2.4				4.9	-0.001	0.16	0.61	1	-0.2		0.5
	JN19025-016	22.86	24.38	0.55	0.02	-0.05		12.9	0.01	4				4.3	-0.001	0.23	0.9	1	0.2		0.4
	JN19025-017	24.38	25.91	0.56	0.02	-0.05		15.7	0.02	5.8				3.9	-0.001	0.34	1.03	1	-0.2		0.7
	JN19025-018	25.91	27.43	0.75	0.02	-0.05		21.8	0.03	5				5.9	-0.001	0.3	0.91	1.2	-0.2		1.1
	JN19025-019	27.43	28.96	0.66	0.02	-0.05		29.5	0.02	5.9				5.8	-0.001	0.43	1.11	1.4	0.2		0.8
	JN19025-020	28.96	30.48	0.47	0.02	-0.05		34.9	0.02	7				6.7	-0.001	0.36	1.25	1.6	0.3		0.7
JN19026	**JN19026-001**	**0**	**1.52**	**0.9**	**0.02**	**0.18**		**23.9**	**0.04**	**19.6**				**6.5**	**-0.001**	**0.03**	**0.88**	**1.6**	**-0.2**		**0.3**
	JN19026-002	1.52	3.05	1.15	0.01	-0.05		30.2	0.04	15.3				3.7	-0.001	0.01	1.02	1.6	0.3		0.2
	JN19026-003	3.05	4.57	0.8	0.01	-0.05		28.8	0.03	13.8				5.2	-0.001	0.02	0.94	1.1	-0.2		0.7
	JN19026-004	4.57	6.1	0.79	0.01	-0.05		24.4	0.02	7.4				5.9	-0.001	0.02	0.58	0.9	-0.2		1
	JN19026-005	6.1	7.62	0.69	0.01	-0.05		16.9	0.02	3.8				5.4	-0.001	0.01	0.66	0.7	-0.2		0.8
	JN19026-006	7.62	9.14	0.51	0.01	-0.05		17.8	0.03	2.3				5.4	-0.001	0.01	0.76	0.8	-0.2		0.5
	JN19026-007	9.14	10.69	0.43	0.01	-0.05		17.9	0.01	1.6				3.2	-0.001	0.02	0.4	0.7	-0.2		0.2
	JN19026-008	10.69	12.19	0.38	0.01	-0.05		17.2	0.01	1.4				3.6	-0.001	0.14	0.45	0.9	-0.2		0.2
	JN19026-009	12.19	13.72	0.55	0.02	-0.05		10.4	0.01	1.4				3.4	-0.001	0.11	0.36	0.8	-0.2		0.2
	JN19026-010	13.72	15.24	0.57	0.02	-0.05		8.5	0.01	1.2				2.9	-0.001	0.1	0.26	0.8	0.2		-0.2
	JN19026-011	15.24	16.76	0.56	0.02	-0.05		7.8	0.01	1.5				3	-0.001	0.14	0.34	0.7	-0.2		-0.2

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Mo (ppm)	Na (pct)	Nb (ppm)	Nd (ppm)	Ni (ppm)	P (pct)	Pb (ppm)	Pd (ppb)	Pr (ppm)	Pt (ppb)	Rb (ppm)	Re (ppm)	S (pct)	Sb (ppm)	Sc (ppm)	Se (ppm)	Sm (ppm)	Sn (ppm)
	JN19026-012	16.76	18.29	0.53	0.01	-0.05		10.1	0.01	2.3				3	-0.001	0.08	0.31	0.7	0.2		0.2
	JN19026-013	18.29	19.81	0.46	0.01	-0.05		9.1	0.03	1.9				6.4	-0.001	0.1	0.39	0.7	-0.2		0.6
	JN19026-014	19.81	21.34	0.53	0.01	-0.05		11.8	0.01	2.5				2.6	-0.001	0.44	2.39	0.8	0.2		0.2
	JN19026-015	21.34	22.86	0.56	0.01	-0.05		8.8	0.01	3.7				3	-0.001	0.16	1	0.6	-0.2		0.2
	JN19026-016	22.86	24.38	0.48	0.01	-0.05		12.8	0.01	2.9				3.1	-0.001	0.25	0.81	0.7	0.2		0.2
	JN19026-017	24.38	25.91	0.59	0.01	-0.05		22	0.02	3.5				4.7	-0.001	0.22	1.44	0.8	-0.2		-0.2
	JN19026-018	25.91	27.43	0.67	0.02	-0.05		11.6	0.01	1.9				3.4	-0.001	0.11	0.68	0.7	-0.2		-0.2
	JN19026-019	27.43	28.96	0.58	0.01	-0.05		8.2	0.01	1.7				2.5	-0.001	0.18	0.6	0.8	0.2		-0.2
	JN19026-020	28.96	30.48	0.57	0.01	-0.05		7.8	0.01	1.8				2.4	-0.001	0.12	0.5	0.7	0.2		-0.2
JN19027	**JN19027-001**	**0**	**1.52**	**1.16**	**0.02**	**0.09**		**24.9**	**0.03**	**19.2**				**4.2**	**-0.001**	**0.03**	**0.86**	**1.4**	**-0.2**		**0.2**
	JN19027-002	1.52	3.05	1.05	0.01	-0.05		19.5	0.04	13.1				3.5	-0.001	0.01	0.86	0.9	-0.2		0.2
	JN19027-003	3.05	4.57	0.71	0.01	-0.05		23.2	0.02	6.3				5.4	-0.001	0.07	1.03	0.9	-0.2		0.3
	JN19027-004	4.57	6.1	0.88	0.01	-0.05		10.1	0.01	1.6				3.2	-0.001	0.03	0.45	0.6	-0.2		0.4
	JN19027-005	6.1	7.62	0.78	0.01	-0.05		12.4	0.02	4.8				3.1	-0.001	0.02	0.43	0.6	-0.2		0.3
	JN19027-006	7.62	9.14	0.48	0.02	-0.05		15.9	0.01	9.3				6.3	-0.001	0.31	0.69	0.8	-0.2		0.6
	JN19027-007	9.14	10.67	0.5	0.02	-0.05		11.4	0.05	5.6				6.8	-0.001	0.25	0.53	0.8	-0.2		1
	JN19027-008	10.67	12.19	0.44	0.01	-0.05		7.8	0.01	6.6				4	-0.001	0.2	0.54	0.5	-0.2		0.4
	JN19027-009	12.19	13.72	0.31	0.02	-0.05		6.2	0.01	3.1				3.1	-0.001	0.16	0.56	0.4	-0.2		0.2
	JN19027-010	13.72	15.24	0.56	0.02	-0.05		11.1	0.01	20.6				4.1	-0.001	0.23	2.33	0.6	0.2		0.8
	JN19027-011	15.24	16.76	0.35	0.02	-0.05		9.2	0.01	7.6				5.9	-0.001	0.25	1.24	0.7	-0.2		0.8
	JN19027-012	16.76	18.29	0.38	0.02	-0.05		9.1	0.01	3				4.5	-0.001	0.18	0.63	0.7	-0.2		0.5
	JN19027-013	18.29	19.81	0.42	0.02	-0.05		16.2	0.02	3				4.4	-0.001	0.19	0.76	0.8	-0.2		0.3
	JN19027-014	19.81	21.34	0.89	0.02	-0.05		20.6	0.02	5.6				5.9	-0.001	0.18	1.23	0.8	-0.2		0.2
	JN19027-015	21.34	22.86	0.79	0.02	-0.05		26	0.02	4.4				5.9	-0.001	0.31	1.03	1	-0.2		0.2
	JN19027-016	22.86	24.38	0.55	0.01	-0.05		21.5	0.02	5.5				5.4	-0.001	0.3	1.07	1.1	-0.2		0.2
	JN19027-017	24.38	25.91	0.6	0.02	-0.05		8.8	0.01	2				4	-0.001	0.2	0.61	0.8	-0.2		0.3
	JN19027-018	25.91	27.43	0.6	0.02	-0.05		7	0.01	1.6				2.9	-0.001	0.15	0.41	0.8	-0.2		-0.2
	JN19027-019	27.43	28.96	0.55	0.01	-0.05		6.5	0.01	2.6				3.4	-0.001	0.1	0.43	0.5	-0.2		0.2
JN19028	**JN19028-001**	**0**	**1.52**	**1.2**	**0.02**	**-0.05**		**23.5**	**0.03**	**17.2**				**5.3**	**-0.001**	**0.08**	**0.88**	**1.4**	**-0.2**		**0.3**
	JN19028-002	1.52	3.05	0.97	0.02	0.17		29.9	0.04	21.5				4.8	-0.001	0.02	0.86	1.9	-0.2		0.2
	JN19028-003	3.05	4.57	1.46	0.02	-0.05		14.7	0.03	6.9				4.4	-0.001	0.04	0.73	1	-0.2		0.3
	JN19028-004	4.57	6.1	0.93	0.02	-0.05		7.5	0.01	2.3				4.1	-0.001	0.03	0.67	0.7	-0.2		0.3
	JN19028-005	6.1	7.62	0.66	0.01	-0.05		6.4	0.01	2.1				5.4	-0.001	0.05	0.69	0.6	-0.2		0.4
	JN19028-006	7.62	9.14	0.62	0.02	-0.05		5	0.01	1.7				3.3	-0.001	0.03	0.51	0.4	-0.2		0.2
	JN19028-007	9.14	10.67	0.51	0.02	-0.05		8.3	0.02	3.4				5.4	-0.001	0.08	1.01	0.7	-0.2		0.6
	JN19028-008	10.67	12.19	0.68	0.02	-0.05		7	0.02	3				5.1	-0.001	0.07	0.77	0.6	-0.2		0.6
	JN19028-009	12.19	13.72	0.65	0.02	-0.05		6.3	0.02	3.1				5.8	-0.001	0.11	0.72	0.6	-0.2		0.6
	JN19028-010	13.72	15.24	0.36	0.01	-0.05		4.9	0.01	1.8				2.9	-0.001	0.16	0.87	0.3	-0.2		0.2
	JN19028-011	15.24	16.76	0.51	0.01	-0.05		8.2	0.01	7.4				3	-0.001	0.25	0.89	0.5	-0.2		-0.2
	JN19028-012	16.76	18.29	0.41	0.01	-0.05		10.9	0.01	7.2				4.8	-0.001	0.28	1.24	0.8	-0.2		0.3
	JN19028-013	18.29	19.81	0.49	0.01	-0.05		15.1	0.01	9.2				4.6	-0.001	0.41	1.55	0.9	0.2		0.2
	JN19028-014	19.81	21.34	0.53	0.01	-0.05		21.2	0.02	9.1				4.4	-0.001	0.31	1.69	1.1	0.2		-0.2
	JN19028-015	21.34	22.86	0.48	0.01	-0.05		21.3	0.02	14.4				4.4	-0.001	0.29	1.22	1.3	-0.2		0.2
	JN19028-016	22.86	24.38	0.42	0.02	-0.05		27.4	0.04	13.7				5.1	-0.001	0.34	0.72	1.5	-0.2		0.2
	JN19028-017	24.38	25.91	0.39	0.02	-0.05		21.9	0.02	7.6				6.8	-0.001	0.32	0.76	1.6	-0.2		0.4
	JN19028-018	25.91	27.43	0.33	0.02	-0.05		10.6	0.01	2.6				5.8	-0.001	0.18	0.5	1.1	-0.2		0.4
	JN19028-019	27.43	28.96	0.62	0.02	-0.05		16.3	0.02	3.1				6.9	-0.001	0.32	0.63	1.4	-0.2		0.6
	JN19028-020	28.96	30.48	0.3	0.02	-0.05		13	0.02	2.5				6	-0.001	0.28	0.46	1.7	-0.2		0.4
JN19029	**JN19029-001**	**0**	**1.52**	**1.01**	**0.02**	**0.05**		**30.8**	**0.04**	**19.4**				**4.8**	**-0.001**	**0.06**	**0.81**	**2**	**-0.2**		**0.3**
	JN19029-002	1.52	3.05	1.2	0.02	-0.05		12.5	0.02	5.3				5.4	-0.001	0.04	0.71	0.8	-0.2		0.3
	JN19029-003	3.05	4.57	0.96	0.02	-0.05		10.8	0.03	2.3				5.8	-0.001	0.04	1.29	0.7	-0.2		0.5
	JN19029-004	4.57	6.1	0.65	0.02	-0.05		9.4	0.01	2.5				3.9	-0.001	0.07	0.95	0.7	-0.2		0.3
	JN19029-005	6.1	7.62	0.6	0.02	-0.05		12.7	0.02	6.7				4.1	-0.001	0.19	3.1	0.8	-0.2		0.3
	JN19029-006	7.62	9.14	0.61	0.02	-0.05		22	0.14	2.5				11.1	-0.001	0.12	1.76	1.2	-0.2		1.8
	JN19029-007	9.14	10.67	0.56	0.02	-0.05		14.8	0.02	2.4				5.4	-0.001	0.23	0.71	1	-0.2		0.7
	JN19029-008	10.67	12.19	1.11	0.01	-0.05		29.9	0.02	4.4				6.3	-0.001	0.28	0.62	1.5	-0.2		0.4
	JN19029-009	12.19	13.72	0.77	0.02	-0.05		12.1	0.01	3.9				3.7	-0.001	0.22	0.73	1	-0.2		0.5
	JN19029-010	13.72	15.24	0.65	0.01	-0.05		44.3	0.03	9.2				7.6	0.001	0.49	1.72	1.6	0.2		0.3
	JN19029-011	15.24	16.76	0.65	0.02	-0.05		44.2	0.26	19.7				8.5	-0.001	0.52	2.62	1.5	0.2		0.3
	JN19029-012	16.76	18.29	0.77	0.02	-0.05		29	0.08	44.7				5.4	-0.001	0.38	1.44	1.9	0.2		-0.2
	JN19029-013	18.29	19.81	0.42	0.01	-0.05		30.7	0.02	6.5				6.5	-0.001	0.34	0.82	2.3	-0.2		0.2
	JN19029-014	19.81	21.34	0.58	0.01	-0.05		39.9	0.04	9.8				6	-0.001	0.35	2.38	1.7	-0.2		0.3

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Mo (ppm)	Na (pct)	Nb (ppm)	Nd (ppm)	Ni (ppm)	P (pct)	Pb (ppm)	Pd (ppb)	Pr (ppm)	Pt (ppb)	Rb (ppm)	Re (ppm)	S (pct)	Sb (ppm)	Sc (ppm)	Se (ppm)	Sm (ppm)	Sn (ppm)
	JN19029-015	21.34	22.81	0.52	0.02	-0.05		37.9	0.04	12.8				7	-0.001	0.11	1.08	2.2	-0.2		-0.2
	JN19029-016	22.81	24.38	0.47	0.02	-0.05		42.4	0.02	15.8				7.5	-0.001	0.16	1.58	2.5	-0.2		-0.2
	JN19029-017	24.38	25.91	0.41	0.02	-0.05		48.8	0.03	9.9				7.6	-0.001	0.3	2.39	1.7	0.2		-0.2
	JN19029-018	25.91	27.43	0.59	0.02	-0.05		51.4	0.03	20.8				6.6	-0.001	0.67	2.76	1.7	0.2		-0.2
	JN19029-019	27.43	28.96	0.44	0.02	-0.05		47	0.1	20.3				6.9	-0.001	0.54	3.27	1.8	0.2		-0.2
	JN19029-020	28.96	30.46	0.74	0.03	-0.05		50	0.07	38.9				6.7	0.001	1.37	3.22	1.6	0.2		-0.2
	JN19029-021	30.46	32	0.6	0.02	-0.05		46.7	0.08	19.9				6.7	0.001	0.74	2.68	1.8	0.2		-0.2
JN19030	**JN19030-001**	**0**	**1.52**	**0.87**	**0.02**	**-0.05**		**10.5**	**0.01**	**3.2**				**3.2**	**-0.001**	**0.06**	**0.26**	**0.8**	**-0.2**		**0.3**
	JN19030-002	1.52	3.05	0.66	0.02	-0.05		8.7	0.01	1.5				2.7	-0.001	0.04	0.14	1	-0.2		-0.2
	JN19030-003	3.05	4.57	0.48	0.03	-0.05		7.8	0.01	1.7				4.4	-0.001	0.07	0.28	1.1	-0.2		0.5
	JN19030-004	4.57	6.1	0.96	0.02	-0.05		20.8	0.02	40.4				4.5	-0.001	0.1	1.31	1.6	0.2		0.3
	JN19030-005	6.1	7.62	0.59	0.02	-0.05		41.6	0.11	54.8				8.2	-0.001	0.24	3.15	1.9	-0.2		-0.2
	JN19030-006	7.62	9.14	0.82	0.02	-0.05		32.9	0.07	33.9				7.5	-0.001	0.48	1.92	2.1	0.2		-0.2
	JN19030-007	9.14	10.67	0.29	0.02	-0.05		40	0.04	12.3				8.8	0.001	0.08	0.66	2.4	-0.2		0.2
	JN19030-008	10.67	12.19	0.41	0.02	-0.05		40	0.02	10.2				9	-0.001	0.15	0.57	2.4	-0.2		0.2
	JN19030-009	12.19	13.72	0.35	0.02	-0.05		40.3	0.04	10.4				9.6	-0.001	0.13	0.67	2.4	-0.2		-0.2
	JN19030-010	13.72	15.24	0.37	0.02	-0.05		44.4	0.12	7.1				10	-0.001	0.12	0.47	2.4	-0.2		-0.2
	JN19030-011	15.24	16.76	0.61	0.02	-0.05		47.7	0.02	44.3				9.7	0.001	0.42	0.86	2	1		-0.2
	JN19030-012	16.76	18.29	0.47	0.03	-0.05		48.2	0.03	19.7				8.2	0.001	0.38	0.88	1.6	0.2		-0.2
	JN19030-013	18.29	19.81	0.53	0.03	-0.05		50	0.14	22.9				9.9	-0.001	0.7	0.68	1.9	0.3		-0.2
	JN19030-014	19.81	21.34	1.08	0.03	-0.05		53.7	0.14	33.7				9.6	-0.001	1.4	1.25	1.7	0.2		0.2
	JN19030-015	21.34	22.86	0.43	0.04	-0.05		46.2	0.04	17.7				9.3	-0.001	0.85	0.24	2	0.3		-0.2
	JN19030-016	22.86	24.38	0.51	0.04	-0.05		50.4	0.09	29.6				9.9	-0.001	1.08	0.25	2.1	-0.2		0.2
	JN19030-017	24.38	25.91	0.48	0.04	-0.05		52.3	0.05	24.3				10	-0.001	0.78	0.23	2	0.2		0.2
	JN19030-018	25.91	27.43	0.44	0.04	-0.05		49.4	0.1	17.1				9.5	-0.001	0.68	0.2	2	0.2		0.2
	JN19030-019	27.43	28.96	0.37	0.03	-0.05		53.2	0.04	23.2				9.2	-0.001	0.78	0.43	2.2	-0.2		0.2
	JN19030-020	28.96	30.48	0.42	0.03	-0.05		46.4	0.13	11.6				11.5	-0.001	0.57	1.15	2.5	0.2		0.3
JN19031	**JN19031-001**	**18**	**19.5**	**0.08**	**-0.01**	**-0.05**		**43.6**	**0.14**	**4.5**				**9**	**-0.001**	**1.1**	**13.9**	**6.1**	**0.2**		**24.9**
	JN19031-002	19.5	21	0.12	0.01	-0.05		50.6	0.07	4.2				7.8	0.001	0.81	10.75	13.4	-0.2		22.6
	JN19031-003	21	22.5	0.34	0.01	-0.05		41	0.05	5.5				11	0.001	0.65	5.64	7.9	0.2		13.3
	JN19031-004	22.5	24	0.38	0.01	-0.05		48.8	0.08	8.7				8.1	-0.001	0.11	2.77	11.4	-0.2		26.7
	JN19031-005	24	25.5	0.12	0.22	0.32		41.5	0.06	8.3				12.1	-0.001	0.38	1.45	5.1	0.3		26.2
	JN19031-006	25.5	27.2	0.71	0.08	0.09		20.7	0.06	15.2				25.1	-0.001	0.41	1.64	8.5	0.3		28.5
	JN19031-007	27.2	28.5	1.35	0.06	0.24		2.5	0.02	11.6				8.1	-0.001	0.08	0.51	0.4	-0.2		4.2
	JN19031-008	28.5	30	0.43	0.05	0.24		1.1	0.02	64.6				6.4	-0.001	0.17	1.72	0.6	-0.2		1.3
	JN19031-009	30	31.5	0.42	0.04	0.17		0.9	0.02	70.7				5.8	-0.001	0.67	1.13	0.7	-0.2		0.7
	JN19031-010	31.5	33	0.32	0.04	0.18		0.7	0.02	19.6				5.8	-0.001	0.1	0.82	0.4	-0.2		1.2
	JN19031-011	33	34.5	0.53	0.04	0.23		1.2	0.02	106				7.3	-0.001	1.22	2.5	0.4	0.3		1.2
	JN19031-012	34.5	36	0.37	0.05	0.22		4.1	0.02	25.3				5.6	-0.001	0.32	2.72	0.6	0.4		3
	JN19031-013	36	37.5	0.33	0.06	0.37		-0.2	0.02	5.4				5.8	-0.001	-0.01	0.55	0.6	0.2		0.3
	JN19031-014	37.5	39	0.29	0.06	0.3		0.3	0.02	8.4				7.7	-0.001	0.01	0.55	0.8	-0.2		0.2
	JN19031-015	48.53	50	0.26	0.04	0.09		45.9	0.06	16.4				56.3	-0.001	1.72	2.42	8.2	0.4		19.9
	JN19031-016	56	56.5	0.36	0.18	0.15		36.1	0.05	3.4				70.3	-0.001	0.7	0.77	6.1	-0.2		2.5
	JN19031-017	81	82	1.21	0.04	0.1		76.9	0.02	5.3				29.4	-0.001	1.1	8.69	2.6	2.8		3.5
	JN19031-018	142	143.5	0.22	0.08	0.06		11.7	0.03	3.8				7.8	-0.001	0.03	0.87	3.8	-0.2		12.8
	JN19031-019	143.5	145	0.63	0.08	0.11		13.9	0.19	2.9				9.7	-0.001	0.13	0.58	2.2	-0.2		9.1
	JN19031-020	145	146.5	0.3	0.3	0.13		28.3	0.05	2.6				87.8	-0.001	0.35	0.97	6.5	-0.2		5.3
	JN19031-021	146.5	148	0.29	0.17	0.08		22.5	0.04	4.1				33.6	-0.001	0.27	1.13	4.3	0.2		7.6
	JN19031-022	148	149.5	0.3	0.15	0.1		24.7	0.06	4.2				27	-0.001	0.05	0.88	5.5	-0.2		8.1
	JN19031-023	149.5	151	0.2	0.06	-0.05		8.8	0.05	2.4				9.7	-0.001	0.11	0.46	3.8	-0.2		6.5
	JN19031-024	151	152.5	0.23	0.03	-0.05		3.5	0.02	1.7				4	-0.001	0.01	0.22	1.9	-0.2		6.3
	JN19031-025	152.5	154	0.27	0.03	-0.05		3.9	0.02	3.2				6.8	-0.001	0.1	0.49	2.6	-0.2		11.7
	JN19031-026	154	155.5	0.23	0.03	-0.05		5.3	0.05	2.4				3.2	-0.001	0.02	0.12	2.7	-0.2		4.2
	JN19031-027	155.5	157	0.27	0.04	-0.05		2.6	0.05	6.3				7.1	-0.001	0.04	0.35	1.6	-0.2		7.3
	JN19031-028	157	158	0.21	0.03	-0.05		2.7	0.02	38.1				7.2	-0.001	0.56	7.51	2.6	0.3		13.8
	JN19031-029	158	159	0.25	0.03	-0.05		3.3	0.01	5.9				5.3	-0.001	0.09	0.62	3.1	-0.2		6.9
	JN19031-030	159	160	0.17	0.03	-0.05		4.2	0.02	3.9				7.3	-0.001	0.07	0.87	5	-0.2		6.9
	JN19031-031	160	161	0.24	0.03	-0.05		4.9	0.01	7.1				6.9	-0.001	0.48	1.64	5	-0.2		16.2
	JN19031-032	161	162	0.23	0.02	-0.05		3.1	0.01	34.4				3.3	-0.001	0.9	3.73	2.1	0.2		10.8
	JN19031-033	162	163	0.38	0.02	-0.05		2.5	0.01	12.9				5.2	-0.001	0.42	8.08	0.5	0.7		7.3
	JN19031-034	163	164	0.17	0.04	-0.05		3.6	0.02	30.7				11.6	-0.001	0.07	0.84	2	0.2		5.2
	JN19031-035	164	165	0.22	0.03	-0.05		16.7	0.02	5.8				19.5	-0.001	0.23	0.64	4	0.2		3.2
	JN19031-036	165	166	0.15	0.04	-0.05		7.9	0.01	8.8				13.6	-0.001	0.23	0.7	3.8	-0.2		5.3

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Mo (ppm)	Na (pct)	Nb (ppm)	Nd (ppm)	Ni (ppm)	P (pct)	Pb (ppm)	Pd (ppb)	Pr (ppm)	Pt (ppb)	Rb (ppm)	Re (ppm)	S (pct)	Sb (ppm)	Sc (ppm)	Se (ppm)	Sm (ppm)	Sn (ppm)
	JN19031-037	166	167	0.19	0.02	-0.05		2	0.01	3.9				3.2	-0.001	0.02	0.13	2.8	-0.2		4.2
	JN19031-038	167	168	0.26	0.07	0.08		16.4	0.03	10.8				14	-0.001	0.53	2.38	4.3	-0.2		10.5
	JN19031-039	168	169	0.19	0.06	0.06		8.9	0.12	3.6				14	-0.001	0.16	0.7	4.2	-0.2		11.7
	JN19031-040	169	169.84	0.2	0.07	-0.05		7.1	0.04	7.1				6.9	-0.001	0.28	4.47	3.6	0.2		7.6
	JN19031-041	169.84	171	0.36	0.1	0.11		32.5	0.04	3.3				59.2	-0.001	0.19	0.85	4.8	-0.2		3.6
	JN19031-042	171	172.5	0.42	0.08	0.18		34.3	0.04	2.3				79	-0.001	0.28	0.83	3.8	-0.2		3.1
	JN19031-043	172.5	174	0.32	0.12	0.16		30.6	0.03	4.1				45.5	-0.001	0.15	0.89	5.2	-0.2		9.9
	JN19031-044	174	175.19	0.28	0.04	-0.05		6.7	0.03	10.4				5.5	-0.001	0.13	3.36	2.6	0.3		4.4
	JN19031-045	175.19	176	0.31	0.03	-0.05		9	0.03	4.2				11.3	-0.001	0.03	0.91	2.5	-0.2		6.8
	JN19031-046	176	177.5	1.24	0.04	-0.05		25.3	0.06	5.9				19.3	-0.001	0.2	0.82	3.7	-0.2		4.4
	JN19031-047	177.5	179	0.78	0.04	0.07		30.5	0.04	1.7				25.5	-0.001	0.23	0.65	3.1	0.2		3.9
	JN19031-048	179	180.5	0.52	0.04	-0.05		27.7	0.04	1.8				21.8	-0.001	0.17	0.66	3.1	-0.2		2.1
	JN19031-049	180.5	182	0.37	0.06	-0.05		22.2	0.02	4.3				14.1	-0.001	0.06	0.7	3.6	-0.2		9.7
	JN19031-050	182	183	0.3	0.02	-0.05		3.5	0.01	1.7				2.6	-0.001	-0.01	0.23	3	0.2		5.1
	JN19031-051	183	184	0.32	0.03	-0.05		7.8	0.02	55.3				3.5	-0.001	0.11	1.79	4	0.2		4.8
	JN19031-052	184	185.5	0.23	0.05	0.06		5.3	0.03	3.2				7.2	-0.001	-0.01	0.28	4	-0.2		16.7
	JN19031-053	185.5	187	0.23	0.03	0.12		6	0.02	3.8				5.5	-0.001	0.03	0.33	2	-0.2		13.6
	JN19031-054	187	188.5	0.24	0.04	0.33		2.6	0.01	4.5				0.5	-0.001	0.01	0.7	0.4	-0.2		15.4
	JN19031-055	188.5	189.18	0.28	0.06	0.1		10.4	0.03	6.7				11.3	-0.001	0.16	0.58	2	0.3		5.3
	JN19031-056	189.18	190	0.26	0.03	-0.05		5.5	0.02	6.9				4.4	-0.001	0.02	0.37	4.3	0.2		4.5
	JN19031-057	190	191.5	0.23	0.03	-0.05		3.8	0.01	91.5				4.5	-0.001	0.12	0.35	2.1	-0.2		3
	JN19031-058	191.5	193	0.22	0.02	-0.05		2.9	0.01	1.8				2.9	-0.001	0.01	0.11	2	-0.2		2.2
	JN19031-059	193	194.5	0.33	0.02	-0.05		3	0.02	2.8				4.8	-0.001	0.02	0.19	2.2	-0.2		2.4
	JN19031-060	194.5	196	0.24	0.04	0.05		7	0.03	3.6				5	-0.001	0.07	0.28	1.9	0.2		4.1
	JN19031-061	196	197.5	0.27	0.07	0.1		10.7	0.03	3.7				10.2	-0.001	0.05	0.56	3.4	-0.2		5.9
	JN19031-062	197.5	199	0.23	0.06	0.09		10.2	0.07	7.7				13.8	-0.001	0.26	1.68	4.3	-0.2		10.6
	JN19031-063	199	200.5	0.24	0.02	0.07		3.3	0.03	3.3				2.9	-0.001	0.04	0.29	2	-0.2		8.1
	JN19031-064	200.5	202	0.23	0.03	0.1		2.7	0.03	3.9				1.3	-0.001	0.05	1.81	3	0.2		9.7
	JN19031-065	202	203.5	0.24	0.03	-0.05		4.2	0.07	13.3				7.3	-0.001	0.03	0.98	3.9	0.3		5.1
	JN19031-066	203.5	205	0.22	0.05	0.11		4.7	0.03	3.4				6.8	-0.001	0.03	0.59	3.4	0.2		8
	JN19031-067	205	205.6	0.22	0.04	0.15		4	0.01	4.2				4.3	-0.001	0.01	0.39	3.2	-0.2		6
	JN19031-068	205.6	207	0.2	0.03	-0.05		4.3	0.01	5.7				5.4	-0.001	0.09	0.44	2	-0.2		2.5
	JN19031-069	210	211.5	0.2	0.03	-0.05		20.6	0.03	34.9				10.8	-0.001	1.56	5.53	3.9	0.6		8.2
	JN19031-070	211.5	213	0.36	0.02	-0.05		30.4	0.04	7.7				16.3	-0.001	0.86	3.37	3.8	0.3		3.8
	JN19031-071	223.5	225	0.15	0.02	0.07		47	0.03	19.9				23.5	-0.001	0.53	1.46	3	-0.2		2.9
	JN19031-072	247.06	248	0.14	0.03	0.05		44.9	0.02	6.8				16.1	-0.001	0.41	1.11	3.1	0.2		1.3
	JN19031-073	248	249.67	0.19	0.02	0.05		45.8	0.02	4				17.1	-0.001	0.47	1.92	2.5	-0.2		2.2
	JN19031-074	249.67	251	1.16	0.02	0.09		45	0.03	5				16.4	-0.001	0.94	1.17	2.4	0.5		1.8
	JN19031-075	251	252	0.46	0.02	-0.05		47.5	0.02	44.1				14.2	-0.001	2.21	1.69	2.3	-0.2		2.5
	JN19031-076	252	253	0.31	0.03	0.05		46.9	0.03	1600				15	-0.001	2.37	3.68	2	-0.2		3.4
	JN19031-077	253	254	0.27	0.02	-0.05		43.7	0.03	1170				17.3	-0.001	1.84	3.91	2.1	-0.2		3.1
	JN19031-078	254	254.85	0.31	0.03	-0.05		52.7	0.02	8330				43.5	-0.001	4.63	15.4	3	0.2		9.7
	JN19031-079	254.85	256	2.46	0.05	1.27		5.5	0.02	12.4				9.7	-0.001	0.08	0.35	1.3	-0.2		1.9
	JN19031-080	256	257	0.36	0.06	1.72		0.6	0.02	16.1				7.7	-0.001	0.01	0.11	0.6	-0.2		0.6
	JN19031-081	257	258.5	0.47	0.04	0.72		5.9	0.02	7.7				13.6	0.001	0.01	0.5	1.9	0.2		3.5
	JN19031-082	258.5	259.12	0.43	0.04	0.11		34.9	0.03	2.3				102.5	0.001	0.06	1.52	4.5	0.2		10.7
	JN19031-083	259.12	260	0.41	0.06	2.56		0.6	0.02	39.2				10.5	0.002	0.24	0.53	0.9	0.2		0.3
	JN19031-084	260	261	0.26	0.05	2.57		0.5	0.02	13.4				10.9	-0.001	0.1	0.36	0.9	0.3		0.3
	JN19031-085	261	262	0.25	0.06	2.77		0.6	0.02	12.7				11.4	-0.001	0.02	0.5	1.2	-0.2		0.5
	JN19031-086	289	289.76	0.2	0.14	0.1		28.2	0.04	4.5				24	-0.001	0.4	2.04	5.6	0.2		18.2
	JN19031-087	289.76	290.5	0.33	0.1	0.1		21.6	0.05	6.2				19.9	-0.001	1.11	0.96	4.2	0.4		26.1
	JN19031-088	290.5	291.31	0.3	0.13	0.15		41.6	0.06	3.9				89.9	-0.001	1.23	1.59	4.6	0.4		8.9
JN19032	**JN19032-001**	**0**	**1.52**	**0.95**	**0.01**	**-0.05**		**21.2**	**0.03**	**4.3**				**6.3**	**-0.001**	**0.04**	**0.66**	**1**	**-0.2**		**-0.2**
	JN19032-002	1.52	3.05	0.55	0.01	-0.05		13.8	0.02	2.5				4.9	-0.001	0.06	0.63	1.1	-0.2		0.3
	JN19032-003	3.05	4.57	0.59	0.01	-0.05		10.6	0.01	1.2				3.4	-0.001	0.04	0.26	1.2	-0.2		0.5
	JN19032-004	4.57	6.1	0.72	-0.01	-0.05		35.3	0.05	27.8				5.7	-0.001	0.02	2.45	1.8	-0.2		-0.2
	JN19032-005	6.1	7.62	0.66	0.01	-0.05		38.1	0.06	17.2				6.2	-0.001	0.23	1.99	1.9	0.2		-0.2
	JN19032-006	7.62	9.14	0.39	0.01	-0.05		41.1	0.02	5.8				7.5	-0.001	0.1	1.05	2	0.2		-0.2
	JN19032-007	9.14	10.67	0.59	0.01	-0.05		39	0.08	10.7				7.8	-0.001	0.38	1.2	2.1	0.3		-0.2
	JN19032-008	10.67	12.19	2.35	0.01	-0.05		62.4	0.02	124				7.2	0.003	3.21	11.85	1.6	1.1		-0.2
	JN19032-009	12.19	13.72	1.37	0.01	-0.05		50	0.02	65.9				6.6	0.001	1.62	7.07	1.7	0.7		-0.2
	JN19032-010	13.72	15.24	0.24	0.01	-0.05		36.8	0.16	5.6				8.8	-0.001	0.11	0.51	1.9	0.2		-0.2
	JN19032-011	15.24	16.76	0.24	0.01	-0.05		49.7	0.02	3.7				8.2	-0.001	0.09	0.48	2.5	-0.2		-0.2
	JN19032-012	16.76	18.29	0.26	0.01	-0.05		47.6	0.02	2.5				6.8	-0.001	0.08	0.42	2.3	-0.2		-0.2

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Mo (ppm)	Na (pct)	Nb (ppm)	Nd (ppm)	Ni (ppm)	P (pct)	Pb (ppm)	Pd (ppb)	Pr (ppm)	Pt (ppb)	Rb (ppm)	Re (ppm)	S (pct)	Sb (ppm)	Sc (ppm)	Se (ppm)	Sm (ppm)	Sn (ppm)
	JN19032-013	18.29	19.81	0.41	0.01	-0.05		39.3	0.02	3.6				6.9	-0.001	0.16	0.74	2	-0.2		0.2
	JN19032-014	19.81	21.34	0.38	0.01	-0.05		42.7	0.01	5.7				6.8	-0.001	0.14	0.5	2.6	-0.2		0.2
	JN19032-015	21.34	22.86	0.25	0.01	-0.05		33.2	0.02	5.5				7.5	-0.001	0.09	0.42	1.7	-0.2		-0.2
	JN19032-016	22.86	24.38	0.61	0.01	-0.05		38.4	0.02	15.9				6.7	0.001	0.2	0.76	1.9	-0.2		-0.2
	JN19032-017	24.38	25.91	0.38	0.01	-0.05		35.6	0.01	9.1				7.3	-0.001	0.13	0.51	2.2	0.2		0.2
	JN19032-018	25.91	27.43	0.26	0.01	-0.05		37.7	0.01	4.4				7	-0.001	0.09	0.62	2.1	-0.2		0.2
	JN19032-019	27.43	28.96	0.77	0.01	-0.05		42.1	0.01	17.7				7.9	-0.001	0.32	1.84	2.3	-0.2		0.2
	JN19032-020	28.96	30.48	1.52	0.01	-0.05		50.5	0.02	107				6.9	0.001	0.64	3.53	2.3	0.4		0.2
JN19033	**JN19033-001**	**0**	**1.52**	**1.38**	**0.01**	**-0.05**		**17.9**	**0.01**	**44**				**2.8**	**-0.001**	**0.04**	**1.13**	**1.3**	**-0.2**		**-0.2**
	JN19033-002	1.52	3.05	0.98	0.01	-0.05		34.3	0.04	72.3				4	-0.001	0.02	2.49	1.4	0.2		-0.2
	JN19033-003	3.05	4.57	0.73	0.01	-0.05		35.8	0.19	66.9				6.3	-0.001	0.03	3.63	1.5	0.2		-0.2
	JN19033-004	4.57	6.1	0.74	0.01	-0.05		54.6	0.05	26.2				6.3	-0.001	0.1	1.93	2.9	-0.2		-0.2
	JN19033-005	6.1	7.62	0.29	0.01	-0.05		50.5	0.02	13.8				10.7	-0.001	0.02	0.53	5	0.3		0.3
	JN19033-006	7.62	9.14	0.25	0.01	-0.05		51.7	0.02	11.2				8.8	-0.001	0.04	0.73	3.5	-0.2		0.2
	JN19033-007	9.14	10.67	0.29	0.01	-0.05		43.8	0.02	13.4				7.3	-0.001	0.08	0.51	2.2	0.2		-0.2
	JN19033-008	10.67	12.19	0.41	0.01	-0.05		53.8	0.02	23				7.6	0.001	0.22	0.76	2.1	0.4		-0.2
	JN19033-009	12.19	13.72	0.48	0.02	-0.05		49.1	0.03	21.6				6.9	-0.001	0.46	1.51	1.5	-0.2		-0.2
	JN19033-010	13.72	15.24	0.57	0.02	-0.05		50	0.2	33.2				8.4	-0.001	1.78	3.29	1.6	0.5		0.2
	JN19033-011	15.24	16.76	0.62	0.02	-0.05		49.6	0.05	43.1				7.1	-0.001	0.56	2.03	1.9	0.4		-0.2
	JN19033-012	16.76	18.29	0.6	0.02	-0.05		54.2	0.11	133.5				7.4	0.001	0.6	1.86	2	0.6		0.2
	JN19033-013	18.29	19.81	0.83	0.02	-0.05		54.4	0.08	23.7				7.9	-0.001	0.52	1.78	1.9	0.2		0.2
	JN19033-014	19.81	21.34	0.51	0.03	-0.05		51.7	0.07	14.2				8.5	-0.001	0.42	1.2	2.1	0.4		0.2
	JN19033-015	21.34	22.86	0.59	0.02	-0.05		53.1	0.04	12.8				6.8	-0.001	0.7	1.27	1.9	0.2		-0.2
	JN19033-016	22.86	24.38	0.47	0.02	-0.05		51.9	0.05	20.8				7	0.001	0.43	0.72	1.8	0.2		-0.2
	JN19033-017	24.38	25.91	0.43	0.03	-0.05		46.6	0.05	11.4				7.6	-0.001	0.31	0.38	1.7	0.2		-0.2
	JN19033-018	25.91	27.43	1.05	0.02	-0.05		50.2	0.02	46				6.8	0.001	1.45	0.88	2.7	0.3		-0.2
	JN19033-019	27.43	28.96	0.97	0.02	-0.05		48.7	0.04	38.3				7.8	0.001	0.92	1.11	1.8	0.5		-0.2
	JN19033-020	28.96	30.48	0.81	0.02	-0.05		50.6	0.03	55.5				6.6	0.002	1.28	1.84	1.7	0.6		-0.2
JN19034	**JN19034-001**	**0**	**1.52**	**1.76**	**0.06**	**-0.05**		**16.2**	**0.02**	**7.2**				**11.6**	**-0.001**	**0.1**	**0.5**	**1.6**	**0.2**		**0.2**
	JN19034-002	1.52	3.05	1.11	0.01	-0.05		9.6	0.01	5.8				2.3	-0.001	0.02	0.31	1.1	-0.2		-0.2
	JN19034-003	3.05	4.57	1.12	0.02	-0.05		7.1	0.01	9.3				2.5	-0.001	0.01	0.22	1.4	-0.2		0.4
	JN19034-004	4.57	6.1	1.45	0.02	-0.05		34	0.06	13.7				8.5	-0.001	0.01	1.48	2	-0.2		0.9
	JN19034-005	6.1	7.62	0.7	0.02	-0.05		45.3	0.16	75.5				7.6	-0.001	0.03	2.53	1.7	-0.2		-0.2
	JN19034-006	7.62	9.14	1.02	0.02	-0.05		46.4	0.21	95.7				7.6	-0.001	0.06	3.59	2.1	-0.2		0.2
	JN19034-007	9.14	10.67	0.7	0.01	-0.05		45.3	0.16	54.9				3.9	-0.001	0.07	2.41	1.6	-0.2		-0.2
	JN19034-008	10.67	12.19	0.31	0.02	-0.05		41.6	0.02	17.3				7	-0.001	0.1	0.53	2.4	-0.2		-0.2
	JN19034-009	12.19	13.72	0.64	0.02	-0.05		41.4	0.02	27.6				7.2	-0.001	0.19	0.57	2	-0.2		-0.2
	JN19034-010	13.72	15.24	0.49	0.02	-0.05		40.4	0.04	39.2				6.4	-0.001	0.14	1.13	2.2	-0.2		0.2
	JN19034-011	15.24	16.76	0.46	0.02	-0.05		42.8	0.02	18.2				6.4	-0.001	0.07	0.74	2.3	-0.2		0.2
	JN19034-012	16.76	18.29	0.55	0.02	-0.05		42.2	0.02	17.8				6.2	0.001	0.09	0.78	2.2	-0.2		-0.2
	JN19034-013	18.29	19.81	0.25	0.02	-0.05		41.6	0.02	11.7				5.9	-0.001	0.1	0.77	2.1	-0.2		-0.2
	JN19034-014	19.81	21.34	0.48	0.02	-0.05		47	0.02	32.9				6.3	0.001	0.32	1.34	2.1	-0.2		-0.2
JN19035	**JN19035-001**	**0**	**1.52**	**0.63**	**0.02**	**-0.05**		**10.2**	**0.01**	**1.6**				**14**	**-0.001**	**0.07**	**0.37**	**1.4**	**-0.2**		**1.9**
	JN19035-002	1.52	3.05	1.29	0.01	-0.05		11.2	0.01	2				6.6	-0.001	0.05	0.29	1.1	-0.2		0.7
	JN19035-003	3.05	4.57	1.31	0.01	-0.05		27.5	0.03	31.5				4.4	-0.001	0.08	1.34	1.6	-0.2		0.3
	JN19035-004	4.57	6.1	0.76	0.01	-0.05		53.1	0.06	24.8				7.5	-0.001	0.1	1.57	2.2	0.2		-0.2
	JN19035-005	6.1	7.62	0.63	0.01	-0.05		47.5	0.02	16.6				6.7	-0.001	0.08	0.74	2.1	-0.2		-0.2
	JN19035-006	7.62	9.14	1.61	0.01	-0.05		46.5	0.02	17.9				6.3	0.001	0.11	0.72	1.8	-0.2		-0.2
	JN19035-007	9.14	10.67	0.6	0.01	-0.05		47.1	0.03	27.3				6.9	-0.001	0.31	1.27	1.5	0.2		-0.2
	JN19035-008	10.67	12.19	0.76	0.02	-0.05		53.5	0.13	36.6				7.6	0.001	1.45	2.94	1.6	0.2		-0.2
	JN19035-009	12.19	13.72	0.67	0.02	-0.05		50.2	0.05	26.7				7.8	0.001	0.72	1.93	1.8	0.3		-0.2
	JN19035-010	13.72	15.24	0.57	0.02	-0.05		51.6	0.03	15.1				7.8	-0.001	0.64	1.06	1.9	0.3		0.2
	JN19035-011	15.24	16.76	0.87	0.02	-0.05		53.7	0.08	32				7.7	-0.001	0.63	1.06	1.9	0.3		-0.2
	JN19035-012	16.76	18.29	0.56	0.02	-0.05		54.1	0.05	17.3				7.5	-0.001	0.4	0.79	1.9	0.2		-0.2
	JN19035-013	18.29	19.81	0.99	0.02	-0.05		53.6	0.05	24.3				5.9	-0.001	0.49	0.95	1.8	0.2		-0.2
	JN19035-014	19.81	21.34	0.76	0.02	-0.05		49.7	0.06	16.7				6.3	0.001	0.51	0.96	1.7	-0.2		-0.2
	JN19035-015	21.34	22.86	1.06	0.02	-0.05		55.6	0.02	55.4				5.5	0.002	1.7	2.89	1.9	0.6		-0.2
	JN19035-016	22.86	24.38	0.85	0.02	-0.05		50.7	0.02	61.8				6	0.002	1.67	1.53	1.6	0.5		-0.2
	JN19035-017	24.38	25.91	0.43	0.02	-0.05		51.3	0.03	24.3				6.8	-0.001	0.66	0.65	2	0.2		-0.2
	JN19035-018	25.91	27.43	0.35	0.02	-0.05		49.4	0.15	23.9				6	-0.001	0.68	0.84	2.2	0.2		-0.2
	JN19035-019	27.43	28.96	0.61	0.02	-0.05		45.8	0.1	32.8				6.1	-0.001	0.82	0.67	2.1	0.3		-0.2
	JN19035-020	28.96	30.48	0.48	0.03	-0.05		53.8	0.09	32.2				6.8	-0.001	0.72	0.91	1.9	0.3		-0.2

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Mo (ppm)	Na (pct)	Nb (ppm)	Nd (ppm)	Ni (ppm)	P (pct)	Pb (ppm)	Pd (ppb)	Pr (ppm)	Pt (ppb)	Rb (ppm)	Re (ppm)	S (pct)	Sb (ppm)	Sc (ppm)	Se (ppm)	Sm (ppm)	Sn (ppm)
JN19036	**JN19036-001**	**0**	**1.52**	**1.44**	**0.02**	**-0.05**		**12.2**	**0.01**	**1.7**				**4.5**	**0.001**	**0.09**	**0.29**	**1.4**	**-0.2**		**0.6**
	JN19036-002	1.52	3.05	1.25	0.02	-0.05		10.6	0.01	1.8				3.8	-0.001	0.09	0.48	0.9	-0.2		0.3
	JN19036-003	3.05	4.57	1.45	0.02	-0.05		10.4	0.08	2.3				5.3	0.001	0.1	0.4	1	-0.2		0.5
	JN19036-004	4.57	6.1	1.52	0.02	-0.05		18.6	0.02	15				3.7	-0.001	0.15	0.8	1.5	-0.2		0.2
	JN19036-005	6.1	7.62	1.43	0.02	-0.05		41.1	0.02	27.8				5	-0.001	0.08	0.99	1.8	-0.2		-0.2
	JN19036-006	7.62	9.14	0.38	0.02	-0.05		37.8	0.01	11.8				5.7	-0.001	0.04	0.5	2.1	-0.2		-0.2
	JN19036-007	9.14	10.67	0.37	0.02	-0.05		45.1	0.02	17				6.8	-0.001	0.06	0.7	2.4	-0.2		-0.2
	JN19036-008	10.67	12.19	0.6	0.02	-0.05		47	0.02	28				7	-0.001	0.39	1.3	1.8	-0.2		-0.2
	JN19036-009	12.19	13.72	0.47	0.02	-0.05		42	0.02	10.6				8.5	0.001	0.4	1.06	1.4	-0.2		-0.2
	JN19036-010	13.72	15.24	0.53	0.03	-0.05		51.6	0.05	22.4				8.4	-0.001	0.41	1.65	1.8	-0.2		-0.2
	JN19036-011	15.24	16.76	0.56	0.03	-0.05		49.9	0.05	27.3				8	-0.001	1.02	2.17	1.6	-0.2		-0.2
	JN19036-012	16.76	18.29	0.73	0.03	-0.05		54.9	0.24	41				7.7	0.001	1.43	2.69	1.6	-0.2		-0.2
	JN19036-013	18.29	19.81	0.61	0.03	-0.05		49	0.24	33				8.1	-0.001	1.55	2.44	1.6	0.3		-0.2
	JN19036-014	19.81	21.34	0.62	0.03	-0.05		52	0.09	30.2				7.3	-0.001	0.79	1.65	1.8	-0.2		-0.2
	JN19036-015	21.34	22.86	0.52	0.03	-0.05		50.9	0.1	25				7.3	-0.001	0.71	1.55	1.8	-0.2		-0.2
	JN19036-016	22.86	24.38	0.6	0.03	-0.05		55	0.19	31.7				7.6	-0.001	1.1	2.25	1.9	0.4		-0.2
	JN19036-017	24.38	25.91	0.44	0.02	-0.05		51.8	0.06	18.1				6.8	-0.001	0.52	1.3	1.9	-0.2		-0.2
	JN19036-018	25.91	27.43	0.43	0.03	-0.05		52.1	0.06	22.2				7.2	-0.001	0.57	1.05	1.9	0.2		-0.2
	JN19036-019	27.43	28.96	1.07	0.02	-0.05		53.4	0.02	67.2				7	0.002	1.46	2.5	2	0.6		-0.2
	JN19036-020	28.96	30.48	0.35	0.03	-0.05		46.6	0.03	16.6				7.7	0.001	0.55	1	1.8	-0.2		-0.2
JN19037	**JN19037-001**	**0**	**1.52**	**1.27**	**0.02**	**-0.05**		**44.5**	**0.04**	**22.6**				**5.7**	**-0.001**	**0.01**	**0.68**	**2.4**	**-0.2**		**0.2**
	JN19037-002	1.52	3.05	1.17	0.02	-0.05		47.6	0.06	22.1				5.9	-0.001	0.01	1.25	2.3	-0.2		-0.2
	JN19037-003	3.05	4.57	0.78	0.01	-0.05		34.6	0.04	5.5				6.6	-0.001	0.01	1.06	1.7	-0.2		-0.2
	JN19037-004	4.57	6.1	1.17	0.01	-0.05		35.7	0.03	15.1				5.1	-0.001	0.04	1.19	2.9	-0.2		-0.2
	JN19037-005	6.1	7.62	1.18	0.02	-0.05		30.5	0.12	25.6				5.1	-0.001	0.25	1.74	1.5	0.2		0.2
	JN19037-006	7.62	9.14	0.69	0.01	-0.05		35.6	0.04	16.9				5.9	-0.001	0.14	1.4	2.1	-0.2		0.2
	JN19037-007	9.14	10.67	0.48	0.02	-0.05		49.4	0.03	27.6				7.6	0.001	0.33	1.35	1.6	-0.2		-0.2
	JN19037-008	10.67	12.19	0.66	0.02	-0.05		46.6	0.02	42.4				6.5	-0.001	0.24	1.44	2.1	0.2		-0.2
	JN19037-009	12.19	13.72	0.59	0.03	-0.05		50.5	0.16	34.8				7.6	-0.001	1.49	3.29	1.6	0.2		-0.2
JN19038	**JN19038-001**	**0**	**1.52**	**0.41**	**0.02**	**-0.05**		**47.4**	**0.07**	**24.1**				**5.1**	**-0.001**	**0.01**	**0.74**	**2**	**0.2**		**-0.2**
	JN19038-002	1.52	3.05	0.39	0.02	-0.05		50.9	0.06	20.5				5.4	-0.001	-0.01	0.81	2.2	-0.2		-0.2
	JN19038-003	3.05	4.57	0.6	0.02	-0.05		52.6	0.05	15.8				5.6	-0.001	0.01	1	2.3	0.2		-0.2
	JN19038-004	4.57	6.1	0.5	0.02	-0.05		51.4	0.05	27.5				5.8	-0.001	0.07	0.9	2.2	0.3		-0.2
	JN19038-005	6.1	7.62	0.33	0.02	-0.05		49.3	0.04	18.8				5.6	-0.001	0.1	0.73	2.5	-0.2		-0.2
	JN19038-006	7.62	9.14	0.31	0.02	-0.05		48.5	0.05	24.7				6.3	-0.001	0.17	0.76	2.2	-0.2		-0.2
	JN19038-007	9.14	10.67	0.39	0.02	-0.05		47.9	0.04	11.4				6.6	-0.001	0.42	1.3	1.8	-0.2		0.3
	JN19038-008	10.67	12.19	0.47	0.02	-0.05		40.3	0.04	4.6				5.5	-0.001	0.61	1.18	2.1	-0.2		0.3
	JN19038-009	12.19	13.72	0.78	0.01	-0.05		16.8	0.06	4				3.4	-0.001	0.33	0.91	1.3	-0.2		0.3
	JN19038-010	13.72	15.24	0.42	0.02	-0.05		11.5	0.02	3.7				3.1	-0.001	0.22	0.74	0.8	-0.2		-0.2
	JN19038-011	15.24	16.76	0.38	0.02	-0.05		22.3	0.02	2.6				4.2	-0.001	0.22	0.67	1.6	-0.2		-0.2
	JN19038-012	16.76	18.29	0.32	0.01	-0.05		8.2	0.01	1.7				2.5	-0.001	0.26	1.01	0.5	-0.2		-0.2
	JN19038-013	18.29	19.81	0.35	0.01	-0.05		11.3	0.01	2				5.1	-0.001	0.22	1.05	0.6	-0.2		0.3
	JN19038-014	19.81	21.34	0.53	0.01	-0.05		8.5	0.01	2				4.6	-0.001	0.29	0.78	0.4	-0.2		0.3
	JN19038-015	21.34	22.86	0.33	0.01	-0.05		6.3	0	1.8				4.2	-0.001	0.25	0.57	0.6	-0.2		0.5
	JN19038-016	22.86	24.38	0.55	0.01	-0.05		12.6	0.01	4.1				4	-0.001	0.35	1.45	0.8	-0.2		0.7
	JN19038-017	24.38	25.91	0.53	0.02	-0.05		43	0.03	42.9				5.7	-0.001	0.58	2.4	1.5	-0.2		-0.2
	JN19038-018	25.91	27.43	1.47	0.02	-0.05		38.5	0.03	48.9				4.7	-0.001	0.79	3.49	1.8	-0.2		-0.2
	JN19038-019	27.43	28.96	0.5	0.02	-0.05		40.8	0.05	28				6.1	-0.001	0.48	1.45	1.8	-0.2		0.2
	JN19038-020	28.96	30.48	0.24	0.03	-0.05		41.8	0.02	14.7				5.9	-0.001	0.17	0.56	2.2	-0.2		0.2
JN19039	**JN19039-001**	**20**	**21.83**	**0.65**	**0.01**	**-0.05**		**19.2**	**0.02**	**8.8**				**8.7**	**-0.001**	**1.38**	**4.5**	**4**	**-0.2**		**3.1**
	JN19039-002	21.83	23	-0.05	0.01	-0.05		5.2	0.01	3.7				5.1	-0.001	0.37	1.5	1.3	-0.2		2.4
	JN19039-003	23	24	-0.05	0.01	-0.05		10.8	0.02	5.3				9.8	-0.001	0.16	1.18	2.4	-0.2		1.3
	JN19039-004	24	25.5	0.12	0.01	-0.05		7.3	0.01	3.8				3.5	-0.001	0.62	0.9	3.1	-0.2		4.7
	JN19039-005	25.5	27	0.1	0.01	-0.05		11.6	0.01	6.7				7.1	-0.001	0.91	4.99	1.4	-0.2		2
	JN19039-006	27	28.18	0.18	0.01	-0.05		9.3	0.01	7.1				4	-0.001	2.05	7.01	0.3	-0.2		3.3
	JN19039-007	28.18	29	0.37	0.01	-0.05		7.9	0.01	8.8				3.2	-0.001	1.71	6.47	0.1	-0.2		2.5
	JN19039-008	29	29.9	0.14	0.01	-0.05		6	0.01	7.3				5.6	-0.001	0.97	5.47	0.3	-0.2		1.7
	JN19039-009	29.9	31	0.07	0.01	-0.05		3.5	0.01	6.5				5.3	-0.001	0.36	2.38	0.3	-0.2		0.3
	JN19039-010	31	31.77	0.16	0.01	-0.05		1.8	0.01	2.3				4.5	-0.001	0.08	0.45	0.2	-0.2		-0.2
	JN19039-011	31.77	33	0.18	0.01	-0.05		2.6	0.02	5.9				3.4	-0.001	0.25	0.68	0.2	-0.2		0.5
	JN19039-012	33	34.5	0.23	0.01	-0.05		3.5	0.01	4.4				5	0.001	0.29	0.93	0.2	-0.2		1.3

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Mo (ppm)	Na (pct)	Nb (ppm)	Nd (ppm)	Ni (ppm)	P (pct)	Pb (ppm)	Pd (ppb)	Pr (ppm)	Pt (ppb)	Rb (ppm)	Re (ppm)	S (pct)	Sb (ppm)	Sc (ppm)	Se (ppm)	Sm (ppm)	Sn (ppm)
	JN19039-013	34.5	35.5	0.14	0.01	-0.05		5.9	0.05	3.1				4.3	0.001	0.52	1.82	1	-0.2		0.8
	JN19039-014	35.5	36.82	0.11	0.01	-0.05		18	0.02	6.7				7.3	-0.001	2.59	22	1.8	0.2		1.5
	JN19039-015	36.82	38	0.08	0.01	-0.05		8.7	0.01	4.8				5.3	-0.001	1.43	15.05	1	-0.2		2.5
	JN19039-016	38	39.66	0.6	0.01	-0.05		21	0.05	10.4				9.7	0.001	4.16	71.9	3.1	0.7		4.6
	JN19039-017	39.66	40.82	0.42	0.01	-0.05		26.8	0.05	31				11.9	-0.001	2.71	51.3	4.1	0.8		1.2
	JN19039-018	40.82	42	2.97	0.01	-0.05		22.7	0.06	15.1				8.9	0.002	0.79	10.65	5.2	0.3		2.5
	JN19039-019	42	43.5	3.38	0.01	-0.05		27.1	0.05	12.7				9.6	0.003	1.03	7.74	4.6	0.7		2.6
	JN19039-020	43.5	45	4.35	0.01	-0.05		42.3	0.08	24				8.9	0.002	1.35	8.73	6.4	0.7		5.5
	JN19039-021	45	46.5	6.05	0.01	-0.05		38.2	0.06	12.5				9.5	0.003	0.75	6.17	5.7	0.7		2.8
	JN19039-022	46.5	48	3.54	0.01	-0.05		40.8	0.06	10.5				10	0.003	0.81	4.62	6.1	0.8		1.9
	JN19039-023	48	49	2.07	0.01	0.05		63.4	0.2	8.6				8.3	0.001	0.56	3.86	12.7	0.5		1.4
	JN19039-024	49	50	2.71	0.01	-0.05		49	0.08	10.6				9.1	0.001	0.74	4.85	9.1	0.6		2.3
	JN19039-025	50	51.5	6.67	0.01	-0.05		55	0.3	33				7.6	0.001	0.62	3.58	19.7	0.4		4.9
	JN19039-026	51.5	52	39	0.01	-0.05		4	0.02	90.2				9.9	0.001	0.63	3.81	2.7	0.4		11
	JN19039-027	52	53	25.4	0.01	-0.05		1.5	0.02	35.4				12.7	-0.001	0.24	1.35	1.8	0.2		1.3
	JN19039-028	53	54	21.9	0.01	-0.05		1.2	0.02	96.2				9.9	0.001	0.14	1.95	1.8	0.3		0.6
	JN19039-029	54	55	6.83	0.01	-0.05		1.2	0.02	10.6				12.9	0.001	0.07	0.35	2.2	-0.2		0.3
	JN19039-030	55	56	346	0.01	-0.05		1.5	0.04	14				12.6	0.013	0.13	0.77	2.4	0.2		0.2
	JN19039-031	56	57	2.76	0.01	-0.05		1.1	0.03	13.2				13.7	0.001	0.06	0.28	2.3	-0.2		0.2
	JN19039-032	57	58	5.81	0.02	-0.05		1	0.04	7.6				11.6	0.001	0.07	0.27	2.4	-0.2		0.2
	JN19039-033	58	58.66	12	0.02	-0.05		1	0.04	8.2				12.4	0.001	0.03	0.37	2.4	0.2		0.2
	JN19039-034	58.66	59.34	79.9	0.01	0.38		1	0.01	137				5.3	0.003	0.09	6.57	0.7	0.4		-0.2
	JN19039-035	59.34	60	8.27	0.02	-0.05		1.1	0.04	6.6				12.8	0.002	0.02	0.24	2.9	-0.2		0.2
	JN19039-036	60	61	21.3	0.03	-0.05		1	0.04	38				12	0.001	0.07	0.44	2.7	-0.2		0.2
	JN19039-037	61	62	6.94	0.04	0.25		1.1	0.04	6.4				13.5	-0.001	0.02	0.13	4.1	-0.2		0.3
	JN19039-038	62	63	13.45	0.03	-0.05		1.1	0.04	10.1				12.1	-0.001	0.06	0.2	3.2	0.2		0.2
	JN19039-039	63	64	16.45	0.03	0.06		1.1	0.04	6.5				12	0.001	0.05	0.17	3.2	0.2		0.2
	JN19039-040	64	65.5	4.18	0.03	-0.05		1	0.04	7.7				12.7	0.001	0.05	0.15	2.7	0.3		0.2
	JN19039-041	65.5	67	10.2	0.03	0.09		1	0.04	14.3				12.4	-0.001	0.07	0.26	3	-0.2		0.2
	JN19039-042	67	68.5	8.35	0.03	0.09		1.1	0.04	10.3				13.4	0.001	0.14	0.24	2.6	0.3		-0.2
	JN19039-043	68.5	70	3.39	0.03	0.09		0.9	0.04	10.5				11.5	0.001	0.08	0.19	2.6	0.2		0.2
	JN19039-044	70	71.5	5.14	0.03	0.05		1	0.04	8.8				13.2	0.001	0.07	0.17	2.6	0.2		-0.2
	JN19039-045	71.5	73	3.17	0.03	0.06		1.1	0.04	24.3				14.2	0.001	0.11	0.39	2.6	-0.2		-0.2
	JN19039-046	73	74.5	2.9	0.03	0.05		1.1	0.04	9.9				12.6	-0.001	0.06	0.16	2.9	-0.2		-0.2
	JN19039-047	74.5	76	4.56	0.03	0.05		1.1	0.04	14				13.1	-0.001	0.14	0.61	3	-0.2		0.3
	JN19039-048	76	77	5.27	0.03	0.09		1.1	0.04	12.6				13.3	0.001	0.21	0.24	2.7	-0.2		0.2
	JN19039-049	77	78	4.61	0.03	0.2		1.1	0.04	124				15	-0.001	0.22	0.31	3	0.2		0.3
	JN19039-050	78	79	20.3	0.03	-0.05		1.1	0.04	443				13.5	0.003	0.62	0.31	2.3	-0.2		-0.2
	JN19039-051	79	80	10.2	0.03	0.07		1.1	0.04	21.7				14.1	0.002	0.31	0.44	2.2	-0.2		0.3
	JN19039-052	80	81	7.78	0.03	-0.05		1	0.04	23.3				13.7	0.001	0.33	0.25	2.3	-0.2		0.2
	JN19039-053	81	82	5.5	0.03	0.06		0.9	0.03	9.2				11	-0.001	0.19	0.12	3.4	0.6		0.3
	JN19039-054	82	83	23.5	0.04	0.13		0.9	0.04	8.6				12.3	0.001	0.17	0.15	3.4	-0.2		0.2
	JN19039-055	83	84	5.32	0.03	0.1		0.9	0.03	5.3				10.8	0.001	0.05	0.16	3.2	-0.2		0.2
	JN19039-056	84	85	6.37	0.03	0.19		1.1	0.04	50.4				14.1	0.003	0.11	0.36	3.2	-0.2		0.3
	JN19039-057	85	86	40.5	0.03	0.05		1	0.04	29.5				12	0.003	0.3	0.57	2.5	-0.2		0.2
	JN19039-058	86	87	24.3	0.03	0.16		1	0.04	59.1				14.4	0.004	0.3	0.94	2.6	-0.2		0.3
	JN19039-059	87	88	28.3	0.03	0.09		0.9	0.04	11.4				14.1	0.001	0.27	0.27	2.7	0.3		0.2
	JN19039-060	88	89	1.93	0.04	0.4		1	0.04	34.4				19.7	-0.001	0.19	0.23	3.5	0.2		0.5
	JN19039-061	89	90	2.47	0.03	0.14		1	0.04	8.7				14.1	-0.001	0.08	0.39	3.2	-0.2		0.2
	JN19039-062	90	91	2.53	0.03	0.06		1	0.04	11.3				15.1	-0.001	0.18	0.26	2.9	-0.2		0.3
	JN19039-063	91	92	3.8	0.04	0.35		1.1	0.04	6.6				16.6	0.001	0.11	0.24	3.8	-0.2		0.3
	JN19039-064	92	93	3.57	0.04	0.37		1	0.04	5.1				18	-0.001	0.09	0.12	3.7	-0.2		0.4
	JN19039-065	93	94	3.87	0.06	0.58		1.1	0.04	4.4				23.8	-0.001	0.04	-0.05	4.3	0.2		0.5
	JN19039-066	94	95	10.05	0.05	0.51		1	0.04	4.2				22.3	-0.001	0.09	0.07	4.1	-0.2		0.7
	JN19039-067	95	96	32.8	0.04	0.39		1	0.04	4.9				21.5	0.003	0.1	0.87	3.9	-0.2		0.5
	JN19039-068	96	97	34.5	0.02	0.13		1	0.04	75.9				17.3	0.005	0.36	1.09	2.2	-0.2		0.5
	JN19039-069	97	98	4.73	0.03	0.05		1	0.04	53.5				18.2	0.002	0.48	1.05	1.7	0.2		0.5
	JN19039-070	98	99	906	0.03	0.22		0.9	0.03	33.5				15.9	0.056	0.32	0.71	2.4	-0.2		0.4
	JN19039-071	99	99.62	80.1	0.02	-0.05		1.2	0.03	315				14.6	0.01	1.28	4.05	1.8	0.5		0.9
	JN19039-072	99.62	101	56.7	0.03	0.05		0.9	0.04	19				13.2	0.004	0.3	0.27	2.6	0.4		0.2
	JN19039-073	101	102	3.78	0.03	0.37		0.9	0.04	15.2				17.1	-0.001	0.23	0.25	3.2	0.3		0.4
JN19040	**JN19040-001**	**0**	**1.52**	**1.07**	**0.02**	**0.22**		**31.9**	**0.07**	**18.2**				**10**	**-0.001**	**0.02**	**0.64**	**1.6**	**-0.2**		**0.4**
	JN19040-002	1.52	3.05	0.75	0.01	0.11		47.7	0.06	17.7				11.6	-0.001	0.07	1.68	1.9	-0.2		0.4
	JN19040-003	3.05	4.57	0.79	0.01	-0.05		28.4	0.03	55.9				9.4	-0.001	0.19	2.76	2.4	-0.2		1.1

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Mo (ppm)	Na (pct)	Nb (ppm)	Nd (ppm)	Ni (ppm)	P (pct)	Pb (ppm)	Pd (ppb)	Pr (ppm)	Pt (ppb)	Rb (ppm)	Re (ppm)	S (pct)	Sb (ppm)	Sc (ppm)	Se (ppm)	Sm (ppm)	Sn (ppm)
	JN19040-004	4.57	6.1	0.81	0.01	-0.05		35.8	0.03	29.7				12.2	-0.001	0.48	4.96	2	-0.2		1.1
	JN19040-005	6.1	7.62	0.57	0.01	-0.05		27.2	0.02	141				12.7	-0.001	1.51	3.62	1.5	-0.2		2.5
	JN19040-006	7.62	9.14	0.93	0.01	-0.05		27.5	0.02	32.2				8	-0.001	0.92	2.64	1.7	-0.2		1
	JN19040-007	9.14	10.67	0.49	0.01	-0.05		42.6	0.04	51				13.6	-0.001	1.16	1.48	1.7	-0.2		0.8
	JN19040-008	10.67	12.19	0.56	0.01	-0.05		30.8	0.04	10.6				9	-0.001	0.69	0.91	1.7	-0.2		0.9
	JN19040-009	12.19	13.72	1.28	0.01	-0.05		10.6	0.02	10.7				3	-0.001	0.58	0.92	1.8	-0.2		2.2
	JN19040-010	13.72	15.24	0.55	0.01	-0.05		8.7	0.02	20.4				6.2	-0.001	0.67	1.73	1.3	-0.2		0.8
	JN19040-011	15.24	16.76	0.37	0.01	-0.05		6.9	0.01	6.7				2	-0.001	0.4	0.73	1	-0.2		0.8
	JN19040-012	16.76	18.29	0.27	0.01	-0.05		8.6	0.01	4.1				2.4	-0.001	0.22	0.32	0.5	-0.2		0.4
	JN19040-013	18.29	19.81	0.22	0.01	-0.05		5.1	0.01	4.9				3.4	-0.001	0.2	0.4	0.5	-0.2		0.2
	JN19040-014	19.81	21.34	0.24	0.01	-0.05		6.6	0.01	5.4				3.7	-0.001	0.2	0.38	0.9	-0.2		0.2
	JN19040-015	21.34	22.86	0.29	0.01	-0.05		6.7	0.01	3.8				2.2	-0.001	0.28	0.35	1.1	-0.2		0.6
	JN19040-016	22.86	24.38	0.23	0.01	-0.05		7.6	0.02	5.5				3.3	-0.001	0.26	0.37	0.9	-0.2		0.3
	JN19040-017	24.38	25.91	0.3	0.01	-0.05		13.1	0.04	8.6				5	-0.001	0.55	0.64	1	-0.2		0.4
	JN19040-018	25.91	27.43	0.27	0.01	-0.05		7.3	0.01	4.5				3.7	-0.001	0.28	0.41	1	-0.2		0.3
	JN19040-019	27.43	28.96	0.23	0.01	-0.05		9.1	0.01	3.3				1.6	-0.001	0.21	0.35	1.5	-0.2		0.6
	JN19040-020	28.96	30.48	0.29	0.02	-0.05		43.1	0.06	8.2				11.9	-0.001	0.48	0.42	1.7	-0.2		0.4
	JN19040-021	30.48	32	0.25	0.03	-0.05		43	0.04	11.4				13.9	-0.001	0.35	0.26	2.5	-0.2		0.3
JN19041	**JN19041-001**	**0**	**1.52**	**0.52**	**0.02**	**0.13**		**35.1**	**0.05**	**29.1**				**9.3**	**-0.001**	**0.03**	**0.49**	**1.8**	**-0.2**		**0.3**
	JN19041-002	1.52	3.05	0.76	0.01	0.19		29.4	0.05	29.8				11	-0.001	0.05	2.66	1.5	-0.2		2.2
	JN19041-003	3.05	4.57	0.52	0.01	0.05		6.9	0.03	105.5				12.9	-0.001	0.04	4.3	0.7	-0.2		8.2
	JN19041-004	4.57	6.1	0.93	0.02	0.05		18	0.05	130.5				12.1	-0.001	0.08	4.68	1.3	-0.2		2.4
	JN19041-005	6.1	7.62	0.58	0.02	-0.05		30.4	0.05	243				13.4	-0.001	0.18	4.3	1.1	-0.2		1.2
	JN19041-006	7.62	9.14	0.68	0.01	-0.05		31.1	0.05	33.9				11.6	-0.001	0.95	2.74	2.5	-0.2		1.2
	JN19041-007	9.14	10.67	0.61	0.02	-0.05		38.8	0.04	31.1				16.1	-0.001	1.29	2.05	2	-0.2		1.3
	JN19041-008	10.67	12.19	0.65	0.01	-0.05		20.2	0.05	81.4				10	-0.001	0.52	1.91	1	-0.2		6.2
	JN19041-009	12.19	13.72	0.67	0.01	-0.05		29.5	0.04	76.1				13.3	-0.001	0.85	2.03	1.7	-0.2		5.6
	JN19041-010	13.72	15.24	0.8	0.01	-0.05		32.4	0.04	93.2				12.8	-0.001	0.97	2.2	1.8	-0.2		5.6
	JN19041-011	15.24	16.76	0.46	0.01	-0.05		15	0.02	45.1				6.7	-0.001	0.51	1.27	0.9	-0.2		2.7
	JN19041-012	16.76	18.29	0.28	0.01	-0.05		7.5	0.02	21.2				5.6	-0.001	0.27	0.68	0.5	-0.2		1.3
	JN19041-013	18.29	19.81	0.29	0.01	-0.05		9.5	0.01	41.9				6.5	-0.001	0.43	0.95	0.5	-0.2		1.4
	JN19041-014	19.81	21.34	0.35	0.01	-0.05		11.1	0.06	33.5				6.4	-0.001	0.47	0.87	0.7	-0.2		1.5
	JN19041-015	21.34	22.86	0.37	0.01	-0.05		7.1	0.03	16.6				4.5	-0.001	0.29	0.57	0.7	-0.2		0.9
	JN19041-016	22.86	24.38	0.33	0.01	-0.05		7.2	0.02	16.2				3.7	-0.001	0.4	0.62	0.7	-0.2		1
	JN19041-017	24.38	25.91	0.36	0.01	-0.05		9.7	0.02	15.7				4.1	-0.001	1.04	1.42	0.6	-0.2		1.3
	JN19041-018	25.91	27.43	0.31	0.01	-0.05		10.3	0.02	16.2				6.1	-0.001	0.82	1.29	0.5	-0.2		1.2
	JN19041-019	27.43	28.96	0.33	-0.01	-0.05		7.9	0.01	29.2				7.6	-0.001	0.36	1.14	0.5	-0.2		1.7
	JN19041-020	28.96	30.48	0.47	-0.01	-0.05		8.6	0.01	306				6.4	-0.001	0.76	2.08	0.6	-0.2		3.1
	JN19041-021	30.48	32	0.68	-0.01	-0.05		7.1	0.01	37.3				5.4	-0.001	0.3	0.78	0.8	0.2		1.8
	JN19041-022	32	33.53	0.36	-0.01	-0.05		6.8	0.01	13				4.6	-0.001	0.43	0.88	1.2	-0.2		1.9
	JN19041-023	33.53	35.05	0.5	-0.01	-0.05		10.1	0.02	28				4.5	-0.001	0.57	1.09	1	-0.2		3.2
	JN19041-024	35.05	36.58	0.41	-0.01	-0.05		13.7	0.02	28.8				4.8	-0.001	0.64	1.13	1.1	-0.2		2.6
	JN19041-025	36.58	38.1	0.42	-0.01	-0.05		18.7	0.04	29.3				6	-0.001	0.41	0.97	1.7	0.2		2
	JN19041-026	38.1	39.62																		
JN19042	**JN19042-001**	**0**	**1.52**	**0.52**	**0.01**	**0.18**		**35.3**	**0.05**	**21.4**				**8.5**	**-0.001**	**0.03**	**0.54**	**1.8**	**-0.2**		**0.3**
	JN19042-002	1.52	3.05	0.68	0.01	0.26		30.4	0.04	24.5				7.3	-0.001	0.12	0.65	1.5	-0.2		0.4
	JN19042-003	3.05	4.57	1.27	0.08	1.05		35.9	0.06	24.9				10	-0.001	0.07	1.01	1.8	-0.2		0.5
	JN19042-004	4.57	6.1	0.76	-0.01	0.08		8.5	0.03	297				6.9	-0.001	0.08	3.55	0.6	-0.2		11.5
	JN19042-005	6.1	7.62	1.18	-0.01	0.06		6.9	0.02	494				3.4	-0.001	0.08	3.35	0.4	-0.2		8
	JN19042-006	7.62	9.14	0.95	-0.01	0.05		6.2	0.02	500				3.9	-0.001	0.07	3.36	0.4	-0.2		9.8
	JN19042-007	9.14	10.67	0.64	-0.01	-0.05		7.4	0.02	226				8.3	-0.001	0.05	3.53	0.4	0.2		5
	JN19042-008	10.67	12.19	0.85	-0.01	-0.05		17.4	0.04	179.5				10	-0.001	0.4	3.61	0.7	0.2		4.2
	JN19042-009	12.19	13.72	0.49	-0.01	-0.05		36.9	0.07	55.7				18.9	-0.001	1.03	2.58	1.3	0.2		2.1
	JN19042-010	13.72	15.24	0.48	-0.01	-0.05		32.2	0.05	31.3				14.5	-0.001	0.82	2.62	1.2	0.2		1.4
	JN19042-011	15.24	16.76	0.46	-0.01	-0.05		40.2	0.04	15.9				18.3	-0.001	0.88	3.62	3.4	-0.2		1.6
	JN19042-012	16.76	18.29	0.56	-0.01	-0.05		23.2	0.02	50.5				10	-0.001	1.56	5.34	1.1	0.3		1.6
	JN19042-013	18.29	19.81	0.45	-0.01	-0.05		32.6	0.02	45.3				11.3	-0.001	1.39	5.27	3.9	0.4		1.2
	JN19042-014	19.81	21.34	0.47	0.01	-0.05		33.2	0.05	144.5				11.8	-0.001	1.17	12	1.8	0.5		2.3
	JN19042-015	21.34	22.86	0.65	-0.01	-0.05		30.5	0.03	189.5				11.1	-0.001	0.94	18.15	1.2	-0.2		5.7
	JN19042-016	22.86	24.38	0.65	-0.01	-0.05		33.3	0.06	92.3				15.9	-0.001	1.08	10.1	1.4	-0.2		2.6
	JN19042-017	24.38	25.91	0.64	0.01	-0.05		37.9	0.05	131.5				15.2	-0.001	1.56	9.51	1.2	-0.2		1.9
	JN19042-018	25.91	27.43	0.51	-0.01	-0.05		38.5	0.07	90.5				15.7	-0.001	1.43	8.86	1.3	-0.2		2.4
	JN19042-019	27.43	28.96	0.52	-0.01	-0.05		39.3	0.06	311				16.3	-0.001	2.33	14.5	1.2	0.4		3.5

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Mo (ppm)	Na (pct)	Nb (ppm)	Nd (ppm)	Ni (ppm)	P (pct)	Pb (ppm)	Pd (ppb)	Pr (ppm)	Pt (ppb)	Rb (ppm)	Re (ppm)	S (pct)	Sb (ppm)	Sc (ppm)	Se (ppm)	Sm (ppm)	Sn (ppm)
	JN19042-020	28.96	30.48	0.51	-0.01	-0.05		42	0.04	624				14.5	-0.001	4.55	30.6	1.1	0.6		8.7
	JN19042-021	30.48	32	0.71	-0.01	-0.05		30	0.04	280				12.1	-0.001	2.12	27	1.4	0.2		9.7
	JN19042-022	32	33.53	0.49	-0.01	-0.05		16	0.02	118.5				8	-0.001	1.08	9.67	0.7	0.2		4.5
	JN19042-023	33.53	35.05	0.85	-0.01	-0.05		15.4	0.02	126				7.8	-0.001	1.04	11	0.8	-0.2		4.4
	JN19042-024	35.05	36.58	0.43	-0.01	-0.05		14.5	0.01	91.7				7.1	-0.001	0.98	7.89	0.8	-0.2		2.5
	JN19042-025	36.58	38.1	0.47	-0.01	-0.05		12.9	0.01	80.7				5.8	-0.001	0.9	7.84	0.8	0.2		2.3
	JN19042-026	38.1	39.62	0.73	-0.01	-0.05		24.5	0.03	113				9.1	0.001	1.29	10.75	1.3	-0.2		3.5
JN19043	**JN19043-001**	**0**	**1.52**	**0.72**	**0.02**	**0.28**		**34.6**	**0.04**	**22.8**				**12**	**-0.001**	**-0.01**	**0.63**	**1.8**	**-0.2**		**0.4**
	JN19043-002	1.52	3.05	0.36	0.02	0.14		34.8	0.09	21.6				14.5	-0.001	0.01	0.51	2.1	-0.2		0.4
	JN19043-003	3.05	4.57	0.51	0.03	0.13		36.9	0.07	27.9				12.3	-0.001	-0.01	0.56	2.2	-0.2		0.4
	JN19043-004	4.57	6.1	0.54	0.03	0.14		43.3	0.04	25.5				12.9	-0.001	0.03	0.69	2.7	-0.2		0.7
	JN19043-005	6.1	7.62	0.7	0.03	0.14		48	0.05	51.9				18.3	-0.001	0.18	0.96	2.6	-0.2		1.1
	JN19043-006	7.62	9.14	0.65	0.02	-0.05		50.9	0.06	18.5				26.3	-0.001	0.83	0.97	2.1	-0.2		2.3
	JN19043-007	9.14	10.67	0.87	0.01	-0.05		33.7	0.03	21.4				20.6	-0.001	1.32	2.17	1.5	0.2		3
	JN19043-008	10.67	12.19	0.96	0.01	-0.05		23	0.02	15.2				17.2	-0.001	1.19	2.09	1.3	-0.2		2.5
	JN19043-009	12.19	13.72	0.48	0.01	-0.05		17.6	0.02	19.4				12.7	-0.001	1.15	3.06	1.2	0.5		1.7
	JN19043-010	13.72	15.24	0.41	0.02	-0.05		22.6	0.02	4.6				11.2	-0.001	0.4	0.74	1.9	-0.2		0.5
	JN19043-011	15.24	16.76	0.28	0.02	-0.05		19.8	0.03	4.6				10.9	-0.001	0.75	1.05	1.5	-0.2		0.8
	JN19043-012	16.76	18.29	0.92	0.01	-0.05		7.4	0.01	9.4				4.4	-0.001	0.32	0.96	0.7	-0.2		0.4
	JN19043-013	18.29	19.05	0.39	0.02	-0.05		6.8	0.01	8.5				6.1	-0.001	0.36	0.87	0.6	-0.2		0.5

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Sr (ppm)	Ta (ppm)	Tb (ppm)	Te (ppm)	Th (ppm)	Ti (pct)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Yb (ppm)	Zn (ppm)	Zr (ppm)
JN19020	**JN19020-001**	**24**	**25**	**10.1**	**-0.01**		**0.02**	**15**	**0**	**0.5**	**3.14**	**44**	**0.39**	**13.75**		**103**	**7.3**
	JN19020-002	33.69	34.53	178	0.01		0.03	13.1	0.11	0.59	2.4	43	0.14	10.7		77	8.5
	JN19020-003	50	50.99	549	0.04		0.01	10.9	0.13	0.13	2.19	24	0.26	11.25		19	4.6
	JN19020-004	66.53	67.36	61.7	-0.01		-0.01	5.9	0.03	-0.02	0.54	4	0.16	3.14		16	0.9
	JN19020-005	67.36	67.9	99.3	-0.01		0.01	7.7	0.03	0.05	0.83	9	0.06	4.64		21	1.5
	JN19020-006	87	88	2	-0.01		-0.01	9.3	0	0.08	0.54	5	0.22	2.38		31	1.8
	JN19020-007	88	89	2.8	-0.01		-0.01	7	0	0.1	0.69	10	1.53	4.96		35	1.8
	JN19020-008	89	90	2.8	-0.01		-0.01	9.6	0	0.06	0.62	6	0.21	3.07		21	1.8
	JN19020-009	90	91	4.1	-0.01		0.01	7.9	0	0.02	1.06	8	0.24	3.39		12	2.9
	JN19020-010	91	92	2.3	-0.01		0.01	11.8	0	0.07	0.54	7	0.19	2.77		40	1.9
	JN19020-011	92	93	3.2	-0.01		0.01	9.5	0	0.08	0.48	5	0.32	2.94		432	2.4
	JN19020-012	93	94	2.3	-0.01		0.01	11.2	0	0.09	0.55	4	0.26	3.08		1370	1.7
	JN19020-013	94	95	1.9	-0.01		-0.01	8.9	0	0.1	0.5	3	0.15	2.28		226	1.2
	JN19020-014	95	96	2.3	-0.01		-0.01	9.6	0	0.08	0.6	5	0.32	3.25		101	2.4
	JN19020-015	96	97	3	-0.01		-0.01	7.8	0	0.04	0.71	7	0.28	3.75		30	2.4
	JN19020-016	111.15	112.5	14.1	-0.01		0.04	22.7	0	0.16	3.38	66	1.75	28.8		103	9.5
	JN19020-017	112.5	114	6.1	-0.01		0.11	14.7	0	1.03	1.68	49	1.13	13.5		67	10.8
	JN19020-018	114	115.5	12.1	-0.01		0.13	14.3	0	5.6	7.2	19	2.05	15.35		116	10.4
	JN19020-019	115.5	117	7.1	-0.01		0.09	10.5	0	3.12	6.94	12	1.11	12.3		58	6.6
	JN19020-020	150	151.5	384	-0.01		0.09	16.7	0	1.66	4.87	17	0.68	17.4		153	21.3
	JN19020-021	151.5	153	111	-0.01		0.07	11.6	0	0.81	7.43	19	1.12	17.4		59	14.8
	JN19020-022	153	154.5	1015	-0.01		0.05	8.3	0	0.29	4.93	12	0.4	10.6		60	10.7
	JN19020-023	154.5	156	1685	-0.01		0.04	3.5	0	0.15	2.91	7	0.39	5.55		42	4.8
	JN19020-024	156	157.5	1120	-0.01		0.07	6.2	0	0.29	2.86	10	0.18	8.83		59	8.7
	JN19020-025	157.5	159	1065	-0.01		0.07	5.7	0	0.23	2.84	14	0.18	10		44	6.7
	JN19020-026	159	160	1180	-0.01		0.07	6.2	0	0.46	4.11	10	0.38	8.31		74	11.1
	JN19020-027	160	161	1095	-0.01		0.07	6.3	0	0.38	5.03	8	0.52	7.88		92	11.6
	JN19020-028	161	162	1045	-0.01		0.08	9.6	0	0.36	12.45	12	1.42	11		87	6
	JN19020-029	162	163	36.9	-0.01		0.07	17.2	0	1.15	13.1	22	2.04	11		143	20.6
	JN19020-030	163	163.5	21.6	-0.01		0.05	10.6	0	4.54	5.9	17	6.09	9.35		88	12.3
	JN19020-031	163.5	164	26.1	-0.01		0.02	2.7	0	3.93	5.03	20	28.2	13.05		58	7.7
	JN19020-032	164	164.5	21	-0.01		0.04	3.5	0	1.72	3.66	23	20.7	8.48		43	5.2
	JN19020-033	164.5	165	12.6	-0.01		0.02	1.4	0	11.55	1.55	13	19.25	5.33		60	1.8
	JN19020-034	165	165.5	11.1	-0.01		0.2	1.5	0	4.49	2.04	10	10.85	4.52		45	2.6
	JN19020-035	165.5	166	9.6	-0.01		2.95	1.4	0.02	0.17	2.56	9	12.6	4.21		49	7.6
	JN19020-036	166	166.89	5.3	-0.01		2.95	1.3	0.01	3.09	2.17	8	3.01	3.61		58	6.5
	JN19020-037	166.89	168	12.4	-0.01		13.15	6.6	0	1	3.01	32	21.3	21.6		82	10.1
	JN19020-038	168	169	20	-0.01		1.29	12	0.02	0.13	1.43	38	1.74	27.6		60	20.7
	JN19020-039	169	170	11.8	0.01		0.29	3.9	0.06	0.02	1.39	21	1.66	16.5		60	27.1
	JN19020-040	170	171	31	-0.01		6.12	12.2	0.04	0.02	4.92	23	0.96	16		85	20.3
	JN19020-041	171	172	27.4	-0.01		2.23	4.6	0.05	0.05	3.48	16	1.75	8.59		53	17.6
	JN19020-042	172	172.82	24.2	-0.01		0.93	5.7	0.03	0.37	3.28	23	9.49	12.8		93	22.9
	JN19020-043	172.82	174	36.4	0.01		0.76	7.4	0.07	0.05	4.87	21	5.08	11.35		54	23.4
	JN19020-044	174	175	41.6	0.01		8.54	7.8	0.06	0.03	2.3	12	3.63	10.05		31	17.4
	JN19020-045	175	176	13.9	-0.01		3.33	12.1	0.04	0.06	2.73	15	0.49	13.95		23	4
	JN19020-046	176	177	24.2	-0.01		0.34	13.1	0.02	0.03	2.59	14	0.18	17.4		23	3.7
	JN19020-047	177	178.18	15.8	-0.01		2.08	12.3	0.03	0.03	2.7	15	0.55	12.55		38	3.5
	JN19020-048	178.33	179.46	11.1	-0.01		25.2	2.5	0	0.06	6.73	9	2.86	18.6		99	10.9
	JN19020-049	179.46	180.44	29.4	-0.01		2.91	2.2	0	0.04	6.99	11	4.8	22.2		147	14.3
	JN19020-050	180.44	181	37.3	-0.01		0.37	0.4	0	-0.02	2.23	-1	1.92	1.42		24	1.1
	JN19020-051	181	182	15.3	-0.01		0.21	0.3	0	-0.02	0.71	-1	4.66	0.72		15	1
	JN19020-052	182	183	7.6	-0.01		0.09	0.7	0.01	0.03	1.44	1	510	2.87		22	2.6
	JN19020-053	183	184	6.2	-0.01		0.17	1.1	0.01	-0.02	1.21	1	23.8	1.73		20	2.6
	JN19020-054	184	184.75	15.5	-0.01		0.48	3.1	0.01	0.03	1.13	8	33	12.15		36	3.3
	JN19020-055	184.75	185.59	6.7	-0.01		0.09	0.8	0.01	0.03	1.65	1	14.15	1.5		20	2.3
	JN19020-056	185.59	186.29	64.2	-0.01		0.15	12.4	0.01	0.28	2.06	22	144.5	11.45		69	6.4
	JN19020-057	186.29	187	39.5	-0.01		0.02	15.4	0	0.28	2.22	11	5.16	8.26		125	4.5
	JN19020-058	187	189	73.9	-0.01		0.06	12.8	0.01	0.31	1.79	16	20.8	7.73		58	5.9
	JN19020-059	189	190	77.2	-0.01		0.08	11	0.02	0.31	1.13	18	0.75	6.09		52	3.3
	JN19020-060	190	191	99.2	-0.01		0.04	12.4	0	0.17	1.43	9	3.94	4.07		75	3.6
	JN19020-061	191	192	57.8	-0.01		0.08	11.3	0	0.26	1.51	7	5.34	5.82		401	3.6
	JN19020-062	192	193	87.2	-0.01		0.03	12	0	0.18	1.14	5	2.33	5.5		111	3.2
	JN19020-063	193	194	50.3	-0.01		0.03	13.5	0.01	0.3	1.63	15	1.46	4.75		466	4.2
	JN19020-064	194	195	66.4	-0.01		0.07	14.5	0.01	0.22	1.93	22	3.58	9.04		69	3.9

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Sr (ppm)	Ta (ppm)	Tb (ppm)	Te (ppm)	Th (ppm)	Ti (pct)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Yb (ppm)	Zn (ppm)	Zr (ppm)
	JN19020-065	195	196	22.6	-0.01		0.04	14.2	0	0.3	1.59	24	4.69	6.05		65	4.4
	JN19020-066	196	197	51.2	-0.01		0.07	8.6	0	0.27	0.92	9	4.89	4.76		70	2.7
	JN19020-067	197	198	25.3	-0.01		0.06	5.8	0	0.25	0.55	3	5.76	2.67		64	1.2
	JN19020-068	198	199	16.4	-0.01		0.03	8.8	0	0.23	0.79	6	15.6	3.51		25	2.7
	JN19020-069	199	200	11	-0.01		0.02	8.9	0	0.23	0.68	5	8.39	3.85		14	1.7
	JN19020-070	200	201	10	-0.01		-0.01	10	0	0.34	1	7	2.87	4.3		32	2.7
	JN19020-071	201	202	59	-0.01		0.02	12.2	0	0.16	1.29	7	2.16	5.28		62	2.7
	JN19020-072	202	203	24.4	-0.01		0.06	7.7	0	0.17	1.19	8	2.4	4.59		60	2.7
	JN19020-073	203	204	9.4	-0.01		0.01	6.9	0	0.18	0.83	6	4.19	3.83		11	1.9
	JN19020-074	204	205	3.2	-0.01		0.02	9.5	0	0.53	0.93	3	2.21	3.51		11	2.5
	JN19020-075	205	206	3.7	-0.01		-0.01	7.5	0	0.04	0.6	13	0.81	3.67		18	3.4
	JN19020-076	206	207	2	-0.01		0.04	6.9	0	0.05	0.5	11	1.68	4.33		16	3.7
	JN19020-077	207	208	3.5	-0.01		-0.01	9.3	0	0.06	0.75	14	1.71	4.57		22	4.5
	JN19020-078	208	209	5.8	-0.01		0.01	11	0	0.1	1.12	17	1.95	6.31		36	4.4
	JN19020-079	209	210	15.1	-0.01		0.02	12.9	0	0.37	1.84	15	0.78	6.4		200	3.6
	JN19020-080	210	211	19.8	-0.01		0.01	12.9	0	0.27	1.71	13	0.62	5.68		216	3.4
	JN19020-081	211	212	7.8	-0.01		0.02	15.1	0	0.25	2.02	27	2.9	7.98		61	7
	JN19020-082	212	213	9.4	-0.01		0.13	9.8	0	0.11	0.85	13	3.14	8.57		23	4.5
	JN19020-083	213	214	15.4	-0.01		0.02	8.6	0	0.1	0.9	12	1.21	4.52		34	3.6
	JN19020-084	214	215	23.7	-0.01		0.01	9	0	0.11	1.16	12	0.58	4.13		89	3.1
	JN19020-085	215	216.5	4.4	-0.01		-0.01	11.1	0	0.07	1.12	16	0.74	4.72		25	3.5
	JN19020-086	216.5	218	9.4	-0.01		0.01	15.9	0	0.27	2.5	35	3.04	7.88		69	5.9
	JN19020-087	218	219.5	11.2	-0.01		0.01	14.5	0	0.4	2.06	29	1.05	8.6		90	6.7
	JN19020-088	219.5	220.5	21.7	-0.01		0.03	12.7	0.01	0.28	1.76	15	0.44	5.84		97	3.1
	JN19020-089	220.5	222	24.6	-0.01		0.02	10.4	0.01	0.25	1.27	13	1.17	5.65		20	2.3
JN19021	**JN19021-001**	**16**	**17**	**2.2**	**-0.01**		**0.01**	**7.9**	**0**	**0.53**	**0.84**	**7**	**0.24**	**4.47**		**31**	**2.8**
	JN19021-002	17	18	2.4	-0.01		0.06	6.7	0	0.12	0.67	2	0.16	2.12		92	1.3
	JN19021-003	18	19	2	-0.01		0.4	5.3	0	0.12	0.46	1	0.18	1.54		222	0.9
	JN19021-004	19	20	1.7	-0.01		-0.01	5.2	0	0.05	0.45	1	0.1	1.45		288	1.1
	JN19021-005	20	21	2	-0.01		-0.01	3.6	0	0.05	0.26	1	0.09	1.13		157	0.7
	JN19021-006	21	22	1.9	-0.01		-0.01	8.7	0	0.07	0.55	2	0.13	2.09		68	1.6
	JN19021-007	22	23	1.9	-0.01		-0.01	9.7	0	0.07	0.6	2	0.18	2.07		52	2.2
	JN19021-008	23	24.5	2.5	-0.01		-0.01	10.8	0	0.14	0.75	3	0.19	2.43		28	3.3
	JN19021-009	24.5	26	1.6	-0.01		0.01	4.7	0	0.22	0.32	2	0.1	1.46		97	1.2
	JN19021-010	204	205.5	19.3	-0.01		0.13	14.8	0	0.68	4.64	37	1.55	19.3		102	11.7
	JN19021-011	205.5	207	12.5	-0.01		0.03	13.6	0	3.01	7.79	71	2.29	28.7		49	17.6
	JN19021-012	207	208.5	15.5	-0.01		0.05	15.1	0	1.06	8.4	20	1.6	17.65		70	14.6
	JN19021-013	208.5	210	13	-0.01		0.03	12.9	0	0.4	7.26	19	2.42	14.95		71	13.8
	JN19021-014	210	211.5	32.8	-0.01		0.05	10.2	0	0.54	8.96	21	1.4	14.65		61	9.8
	JN19021-015	211.5	213	54.3	-0.01		0.07	12.9	0	0.44	16.85	27	2.26	15.3		178	14.2
	JN19021-016	213	214.5	9.9	-0.01		0.05	11	0	0.53	5.38	7	0.95	9.16		54	5.6
	JN19021-017	214.5	216	5.4	-0.01		0.02	10.4	0	0.69	1.93	5	0.84	10		32	4.1
	JN19021-018	216	217	2.5	-0.01		0.04	8.2	0	0.29	1.62	2	1.33	6.98		105	2.2
	JN19021-019	217	218.5	3.5	-0.01		0.81	7.7	0	0.69	2.17	4	1.14	7.37		41	3.6
	JN19021-020	218.5	220	3.3	-0.01		0.37	6.4	0	7.8	1.8	4	2.01	5.55		41	2.2
	JN19021-021	220	221.5	3.3	-0.01		0.05	7.8	0	1.28	1.79	3	3.26	6.19		47	2.1
	JN19021-022	221.5	223	7.7	-0.01		0.08	7.2	0	3.21	2.61	3	1.95	4.73		64	3.6
	JN19021-023	223	224.5	10.3	-0.01		0.06	9.7	0	1.34	4.59	10	1.57	8.9		52	9.3
	JN19021-024	224.5	226	19.3	-0.01		0.07	12.5	0	0.84	10.05	13	1.59	10.7		70	18.2
	JN19021-025	226	227.5	768	-0.01		0.06	8.5	0	0.28	10.4	9	1.12	9.82		53	12.6
	JN19021-026	227.5	230	1760	-0.01		0.03	5.1	0	0.19	3.75	7	1.05	8.59		26	8.8
	JN19021-027	230	231.5	1130	-0.01		0.03	7.4	0	0.21	4.67	8	1.35	12.8		9	10.9
	JN19021-028	231.5	233	1365	-0.01		0.01	0.7	0	0.05	1.85	2	0.24	2.34		11	1
	JN19021-029	233	234.5	1345	-0.01		0.02	2.4	0	0.13	2.52	4	0.32	6.28		12	2.2
	JN19021-030	234.5	236	1110	-0.01		0.04	8.9	0	0.49	3.13	16	0.3	12.3		47	5.1
	JN19021-031	236	237.5	1515	-0.01		0.03	4.3	0	0.58	3.23	7	0.34	7.15		77	4.1
	JN19021-032	237.5	239	252	0.01		0.02	11.8	0.04	0.42	2.72	44	1.2	20.4		56	24.1
	JN19021-033	239	240.16	51.5	0.01		0.24	16.2	0.07	0.23	3.12	38	2.26	24.6		33	34.7
	JN19021-034	240.16	242	182	-0.01		0.06	17.4	0	1.27	9.5	23	0.51	18.65		46	14.1
	JN19021-035	242	243.5	78.1	0.01		0.01	15.5	0.05	0.16	1.45	40	2.7	21		22	29.7
	JN19021-036	243.5	246	16	0.01		0.01	13.7	0.09	0.1	0.97	42	7.87	23.4		20	37.9
	JN19021-037	246	247	8.9	-0.01		0.01	1.2	0	0.09	3.82	10	10.8	8.64		33	5.5
	JN19021-038	247	248	5.9	-0.01		0.01	1	0.01	0.04	3.93	8	37.7	7.91		40	5.7
	JN19021-039	248	249	5.1	-0.01		0.01	1.3	0.03	0.16	2.79	11	280	7.56		43	11.7

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Sr (ppm)	Ta (ppm)	Tb (ppm)	Te (ppm)	Th (ppm)	Ti (pct)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Yb (ppm)	Zn (ppm)	Zr (ppm)
	JN19021-040	249	249.58	6	-0.01		0.04	0.9	0.03	0.21	2.34	12	74.9	10.1		32	9.4
	JN19021-041	249.58	250.5	5.6	-0.01		0.26	0.9	0.03	0.04	2.45	5	104.5	8.13		51	11.3
	JN19021-042	250.5	251.15	1.8	-0.01		0.99	0.7	0.01	0.02	0.8	1	9.75	2.86		44	3
	JN19021-043	251.15	252.45	1.8	-0.01		2.94	1.4	0.03	0.1	3.19	7	40.5	8.27		149	12.9
	JN19021-044	252.45	253	10.2	-0.01		2	2.1	0.01	0.36	2.16	6	14.1	6.26		45	5.5
	JN19021-045	253	253.84	8.7	-0.01		13.1	1.1	0.02	0.65	0.68	14	540	12.15		166	3.7
	JN19021-046	253.84	255	26.1	-0.01		0.17	14.4	0.09	0.76	2	50	350	6.93		44	7.1
	JN19021-047	255	256	31.9	-0.01		0.05	12.2	0.14	0.86	1.49	56	32.9	6.24		48	5.9
	JN19021-048	256	257	22.4	-0.01		0.03	13.1	0.07	0.69	1.51	33	3.37	4.76		29	6.2
	JN19021-049	257	258	21.1	-0.01		0.01	14.7	0.09	0.77	1.96	44	2	4.86		48	6.1
	JN19021-050	258	259	23.2	-0.01		0.02	15	0.09	0.77	1.91	47	1.38	5.3		47	5.8
	JN19021-051	259	260	15.3	-0.01		0.02	12.4	0.1	0.74	1.34	42	1.22	4.7		35	5.2
	JN19021-052	260	261	26.5	-0.01		0.01	13.3	0.15	0.79	1.42	53	15.9	5.22		31	4.8
	JN19021-053	261	262.5	43.5	-0.01		0.08	6.7	0.03	0.12	0.61	15	9.96	3.65		10	2.1
	JN19021-054	262.5	264	32.9	-0.01		0.03	8.3	0.03	0.25	0.9	18	33.9	3.04		21	3
	JN19021-055	264	265.5	30.1	-0.01		0.01	8.9	0.05	0.17	0.69	22	36.9	4.02		12	1.6
	JN19021-056	265.5	267	33.3	-0.01		0.02	10	0.07	0.47	0.98	30	1.13	4.32		26	2.4
	JN19021-057	267	268.5	11.8	-0.01		0.01	15.3	0.02	0.45	1.92	26	0.65	4.32		44	4.5
	JN19021-058	268.5	270	18.5	-0.01		0.11	13.1	0	0.2	1.44	19	3.08	5.55		42	3.6
	JN19021-059	270	271.5	26.9	-0.01		0.02	10.4	0.03	0.28	1	22	1.67	4.6		20	2.4
	JN19021-060	271.5	273	39.2	-0.01		0.01	11.2	0.06	0.43	1.31	28	75.9	5.22		20	3
	JN19021-061	273	274.5	28.8	-0.01		0.01	14.2	0.07	0.68	1.84	35	0.31	5.19		31	4.8
	JN19021-062	274.5	276	47.4	-0.01		0.03	13.5	0.08	0.57	1.66	37	0.28	6.03		41	3.3
	JN19021-063	276	277.5	27.2	-0.01		0.01	14.3	0.1	0.55	1.52	42	6.5	5.37		32	3.8
	JN19021-064	277.5	279	33.2	-0.01		0.01	11.4	0.07	0.28	1.01	30	7.91	5.13		18	1.7
	JN19021-065	279	280.5	30.1	-0.01		0.01	9.5	0.04	0.15	0.76	21	1.04	5.17		10	1.6
	JN19021-066	280.5	282	28.8	-0.01		0.03	8	0.02	0.06	0.67	12	86.4	4.59		9	1.1
	JN19021-067	282	283.5	26.9	-0.01		0.02	13.8	0.03	0.23	1.47	23	57.1	5.44		33	3
	JN19021-068	283.5	285	19.8	-0.01		0.01	12.5	0.05	0.23	1.18	25	0.24	4.08		22	2.1
	JN19021-069	285	286.5	27	-0.01		0.01	8.2	0.01	0.06	0.72	10	8.08	3.92		8	0.9
	JN19021-070	286.5	288	19.4	-0.01		-0.01	6.5	0.03	0.04	0.55	10	12.85	3.56		7	1.1
	JN19021-071	288	289.5	13.6	-0.01		0.01	12.8	0.06	0.31	1.37	26	4.36	4.32		27	3.2
	JN19021-072	289.5	291	12.7	-0.01		0.01	14.8	0.06	0.42	1.89	29	0.28	3.66		50	3.3
	JN19021-073	291	292	25.2	-0.01		0.02	12	0.1	0.49	1.28	37	1.56	3.29		47	1.8
JN19022	**JN19022-001**	**0**	**1.52**	**23.9**	**-0.01**		**0.03**	**6.3**	**0**	**0.06**	**1.1**	**16**	**1.64**	**3.47**		**93**	**0.9**
	JN19022-002	1.52	3.05	15.8	-0.01		0.01	8.7	0	0.05	0.77	13	1.87	3.56		86	2
	JN19022-003	3.05	4.57	8.5	-0.01		-0.01	8.3	0	0.04	0.61	5	3.26	1.91		42	2.9
	JN19022-004	4.57	6.1	7.7	-0.01		-0.01	8.1	0	0.06	0.86	4	1.17	2.27		23	3
	JN19022-005	6.1	7.62	16.9	-0.01		0.01	15.3	0	0.07	1.41	7	0.96	5.72		28	3.4
	JN19022-006	7.62	9.14	9.2	-0.01		0.01	8.2	0	0.06	0.61	4	1.64	2.76		32	3.1
	JN19022-007	9.14	10.67	4.9	-0.01		0.01	7.2	0	0.05	0.56	3	1.7	2.35		32	2.2
	JN19022-008	10.67	12.19	7.8	-0.01		0.02	8	0	0.08	0.85	6	1.03	3.16		23	2.4
	JN19022-009	12.19	13.72	7.3	-0.01		-0.01	7.6	0	0.06	0.67	4	1.18	2.49		21	2.4
	JN19022-010	13.72	15.24	7.7	-0.01		-0.01	7.2	0	0.04	0.5	3	0.99	2.81		23	3.3
	JN19022-011	15.24	16.76	8.3	-0.01		0.01	8	0	0.04	0.48	4	0.95	1.69		15	2.9
	JN19022-012	16.76	18.29	8.2	-0.01		-0.01	8.9	0	0.03	0.57	3	1.16	1.55		14	2.8
	JN19022-013	18.29	19.81	14.4	-0.01		-0.01	8.3	0	0.05	0.8	5	1.01	2.21		20	3.8
	JN19022-014	19.81	21.34	14.8	-0.01		-0.01	6	0	0.02	0.46	4	0.99	1.91		17	2.9
	JN19022-015	21.34	22.86	13.3	-0.01		-0.01	6.9	0	0.02	0.42	4	0.99	1.72		16	3
	JN19022-016	22.86	24.38	9	-0.01		0.18	8.3	0	0.04	0.53	3	1.14	1.48		14	2.9
	JN19022-017	24.38	25.91	13.6	-0.01		0.02	8.4	0	0.06	0.64	3	1.01	2.09		15	2.7
	JN19022-018	25.91	27.43	21.7	-0.01		0.03	12.4	0	0.05	1.41	4	0.63	3.42		22	5.7
	JN19022-019	27.43	28.96	9.4	-0.01		-0.01	6.9	0	0.03	0.47	3	0.94	1.4		11	3.2
	JN19022-020	28.96	30.48	9	-0.01		0.02	7.3	0	0.02	0.45	2	1.17	1.15		14	2.7
JN19023	**JN19023-001**	**0**	**1.52**	**66.4**	**-0.01**		**0.03**	**6.7**	**0.04**	**0.04**	**0.63**	**17**	**1.03**	**3.64**		**67**	**2.7**
	JN19023-002	1.52	3.04	13.1	-0.01		0.01	9.7	0	0.06	0.78	11	1.3	3.35		56	4.6
	JN19023-003	3.04	4.57	6.5	-0.01		0.02	8.6	0	0.04	0.77	4	1.7	1.99		23	3.2
	JN19023-004	4.57	6.1	5.7	-0.01		0.02	10	0	0.05	1	3	1.84	2.34		17	3.8
	JN19023-005	6.1	7.62	3.4	-0.01		0.01	10	0	0.04	0.67	4	1.83	2.09		16	3.4
	JN19023-006	7.62	9.14	5.6	-0.01		-0.01	8.5	0	0.03	0.83	5	1.36	2.65		18	2.8
	JN19023-007	9.14	10.67	5	-0.01		0.01	6.4	0	0.05	0.5	2	1.44	1.74		12	2.9
	JN19023-008	10.67	12.19	7.1	-0.01		-0.01	8	0	0.06	0.6	5	0.93	3		10	2.5
	JN19023-009	12.19	13.72	7.7	-0.01		0.03	9.9	0	0.07	0.77	5	1.03	3.01		12	2.7

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Sr (ppm)	Ta (ppm)	Tb (ppm)	Te (ppm)	Th (ppm)	Ti (pct)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Yb (ppm)	Zn (ppm)	Zr (ppm)
	JN19023-010	13.72	15.24	7.1	-0.01		0.01	9.1	0	0.06	0.64	3	1.3	2.94		13	2.5
	JN19023-011	15.24	16.76	5.9	-0.01		0.02	9.1	0	0.05	0.57	2	1.35	2.98		9	2.1
	JN19023-012	16.76	18.29	9.4	-0.01		0.22	9.4	0	0.08	0.61	3	1.56	2.66		20	2.6
	JN19023-013	18.29	19.81	7.8	-0.01		0.01	8.4	0	0.05	0.59	4	1.06	2.13		18	2.9
	JN19023-014	19.81	21.34	13.8	-0.01		0.01	12.1	0	0.09	0.83	3	1.03	3.14		23	3.8
	JN19023-015	21.34	22.86	12.2	-0.01		0.01	9.7	0	0.06	0.68	3	0.88	2.92		12	3.4
	JN19023-016	22.86	24.38	9.3	-0.01		0.01	7.3	0	0.05	0.6	3	1.19	2.52		11	2.9
	JN19023-017	24.38	25.91	10.5	-0.01		0.01	7.7	0	0.09	0.87	3	0.42	2.93		11	3.7
	JN19023-018	25.91	27.43	11.3	-0.01		0.02	6.1	0	0.04	0.65	4	0.39	2.52		9	2.9
	JN19023-019	27.43	28.96	11.8	-0.01		0.01	8.1	0	0.06	0.72	4	0.92	2.93		11	3
	JN19023-020	28.96	30.48	13.3	-0.01		0.01	10	0	0.07	0.79	5	1.57	3.49		11	3
JN19024	**JN19024-001**	**0**	**1.52**	**150.5**	**-0.01**		**0.01**	**5.1**	**0**	**0.05**	**0.53**	**6**	**3.08**	**3.56**		**36**	**0.5**
	JN19024-002	1.52	3.05	20.5	-0.01		0.02	6.4	0	0.05	0.74	13	0.76	2.91		61	1.1
	JN19024-003	3.05	4.57	13.3	-0.01		0.02	6.2	0	0.05	0.68	9	2.36	2.71		47	1.7
	JN19024-004	4.57	6.1	8.6	-0.01		0.01	7.1	0	0.05	0.81	5	1.99	2.08		27	2.2
	JN19024-005	6.1	7.62	6.4	-0.01		0.01	7.6	0	0.04	0.52	3	1.86	1.6		19	2.4
	JN19024-006	7.62	9.14	7.2	-0.01		-0.01	9.8	0	0.06	0.74	4	2.16	2.1		26	2.9
	JN19024-007	9.14	10.67	5.1	-0.01		-0.01	7.1	0	0.04	0.52	3	1.26	1.63		16	3.1
	JN19024-008	10.67	12.19	8.3	-0.01		-0.01	9.1	0	0.08	0.81	4	0.73	2.51		16	2.9
	JN19024-009	12.19	13.72	6	-0.01		0.03	8.1	0	0.09	0.69	4	1.21	2.62		15	2.8
	JN19024-010	13.72	15.24	12.3	-0.01		0.01	9.9	0	0.09	0.86	8	1.13	4		30	3.8
	JN19024-011	15.24	16.76	22	-0.01		0.01	10.2	0	0.18	1.32	26	0.12	6		145	5.4
	JN19024-012	16.76	18.29	14	-0.01		-0.01	10.9	0	0.07	1.09	16	0.09	2.74		87	4.4
	JN19024-013	18.29	19.81	14.4	-0.01		-0.01	10.6	0	0.05	0.88	10	0.42	3.03		61	4.2
	JN19024-014	19.81	21.34	10.4	-0.01		-0.01	9.4	0	0.04	0.69	6	0.63	2.25		25	3.4
	JN19024-015	21.34	22.86	6.9	-0.01		-0.01	6.5	0	0.04	0.45	3	1.4	1.42		17	2.7
	JN19024-016	22.86	24.38	6.3	-0.01		-0.01	6.9	0	0.03	0.46	3	1.15	1.56		19	2.8
	JN19024-017	24.38	25.91	8.4	-0.01		-0.01	7	0	0.1	0.48	4	1.08	1.45		17	3.2
	JN19024-018	25.91	27.43	6.9	-0.01		-0.01	8.3	0	0.05	0.54	3	1.27	1.56		15	3
	JN19024-019	27.43	28.96	12.4	-0.01		-0.01	7.7	0	0.05	0.64	3	0.98	2.36		29	4.4
	JN19024-020	28.96	30.48	11.1	-0.01		-0.01	7.6	0	0.04	0.63	5	1.06	2.56		31	4.9
JN19025	**JN19025-001**	**0**	**1.52**	**21.3**	**-0.01**		**0.02**	**7.4**	**0**	**0.05**	**0.86**	**13**	**1.49**	**3.26**		**67**	**1**
	JN19025-002	1.52	3.05	10.4	-0.01		0.01	10.5	0	0.05	1.03	6	1.72	3.08		43	2.7
	JN19025-003	3.05	4.57	10.4	-0.01		0.02	11.6	0	0.04	1.05	7	0.91	4.01		23	3.5
	JN19025-004	4.57	6.1	6.1	-0.01		0.01	10.5	0	0.05	0.79	5	1.33	2.21		17	3.4
	JN19025-005	6.1	7.62	6.9	-0.01		0.01	11.2	0	0.07	0.98	6	1.39	3.49		20	3.2
	JN19025-006	7.62	9.14	5.9	-0.01		0.01	7.9	0	0.06	0.85	4	1.11	2.55		66	2.7
	JN19025-007	9.14	10.67	9.8	-0.01		-0.01	11	0	0.06	1.16	5	0.85	3.66		24	3.6
	JN19025-008	10.67	12.19	4.6	-0.01		0.01	8.6	0	0.04	0.61	4	0.98	2.1		12	2.4
	JN19025-009	12.19	13.71	6.3	-0.01		0.01	7.9	0	0.03	0.59	4	0.96	2.27		14	2.8
	JN19025-010	13.71	15.24	5.3	-0.01		0.01	6.7	0	0.05	0.46	3	0.85	1.75		9	2
	JN19025-011	15.24	16.76	9.5	-0.01		0.01	9.3	0	0.04	0.7	3	0.83	1.97		16	3.9
	JN19025-012	16.76	18.29	8.9	-0.01		0.01	9	0	0.04	0.65	4	0.68	1.97		14	3.5
	JN19025-013	18.29	19.81	9	-0.01		-0.01	8.9	0	0.04	0.57	4	0.97	2.06		13	3.3
	JN19025-014	19.81	21.34	8.5	-0.01		0.01	8.9	0	0.05	0.6	4	1.22	2.03		14	3.1
	JN19025-015	21.34	22.86	9.4	-0.01		-0.01	9.2	0	0.05	0.67	5	1.22	2.37		14	3.3
	JN19025-016	22.86	24.38	9.2	-0.01		0.01	9.3	0	0.05	0.65	5	1.12	2.07		17	3
	JN19025-017	24.38	25.91	11.1	-0.01		0.01	7.9	0	0.07	0.65	5	0.17	2.44		17	3.2
	JN19025-018	25.91	27.43	16.2	-0.01		0.02	10.1	0	0.06	0.87	7	1.08	3.41		23	4.5
	JN19025-019	27.43	28.96	19.5	-0.01		0.04	9.2	0	0.07	0.81	9	1	4.06		30	4.5
	JN19025-020	28.96	30.48	49.4	-0.01		0.04	10	0	0.07	0.87	12	0.49	5.27		42	4.6
JN19026	**JN19026-001**	**0**	**1.52**	**20.6**	**-0.01**		**0.03**	**6.1**	**0**	**0.06**	**1.01**	**15**	**0.98**	**3.11**		**66**	**1.2**
	JN19026-002	1.52	3.05	13.5	-0.01		0.03	8.3	0	0.04	0.76	12	1.56	3.03		67	2.4
	JN19026-003	3.05	4.57	11.3	-0.01		0.02	11.3	0	0.04	1.28	6	1.27	3.57		35	4.8
	JN19026-004	4.57	6.1	10	-0.01		0.01	13.4	0	0.05	1.19	5	0.79	3.64		21	4.2
	JN19026-005	6.1	7.62	7.7	-0.01		0.02	12.1	0	0.05	1.04	4	1.19	2.93		18	3.6
	JN19026-006	7.62	9.14	8.7	-0.01		0.02	9.2	0	0.04	0.77	4	0.78	2.4		19	4.1
	JN19026-007	9.14	10.69	5.1	-0.01		0.01	6.6	0	0.03	0.45	4	0.96	1.66		26	3.4
	JN19026-008	10.69	12.19	7.7	-0.01		-0.01	6.8	0	0.03	0.53	5	0.72	1.65		21	3.5
	JN19026-009	12.19	13.72	5.7	-0.01		-0.01	7.2	0	0.03	0.5	5	0.86	1.56		16	2.8
	JN19026-010	13.72	15.24	4.8	-0.01		-0.01	7	0	0.02	0.45	5	1.27	1.41		15	2.5
	JN19026-011	15.24	16.76	4.9	-0.01		-0.01	6.3	0	0.03	0.41	4	1.35	1.6		13	2.3

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Sr (ppm)	Ta (ppm)	Tb (ppm)	Te (ppm)	Th (ppm)	Ti (pct)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Yb (ppm)	Zn (ppm)	Zr (ppm)
	JN19026-012	16.76	18.29	7.4	-0.01		-0.01	7.7	0	0.02	0.49	4	1.07	1.67		12	2.6
	JN19026-013	18.29	19.81	10.9	-0.01		-0.01	9	0	0.05	0.62	4	1.01	2.42		11	2.6
	JN19026-014	19.81	21.34	7.6	-0.01		0.04	6	0	0.04	0.45	3	1.51	1.91		10	2.6
	JN19026-015	21.34	22.86	7.5	-0.01		0.02	6.8	0	0.03	0.44	3	1.25	1.46		10	2.7
	JN19026-016	22.86	24.38	7.5	-0.01		0.02	7.1	0	0.03	0.52	3	1.27	1.55		13	2.8
	JN19026-017	24.38	25.91	13.9	-0.01		0.03	11.9	0	0.04	1	4	0.82	1.96		25	4.5
	JN19026-018	25.91	27.43	7.6	-0.01		0.01	8.2	0	0.02	0.62	4	1.9	1.63		18	2.8
	JN19026-019	27.43	28.96	6.2	-0.01		0.01	6.5	0	0.02	0.45	4	2.09	1.56		13	2.5
	JN19026-020	28.96	30.48	6.8	-0.01		0.01	6.3	0	0.02	0.45	3	1.51	1.47		13	2.3
JN19027	**JN19027-001**	**0**	**1.52**	**96.2**	**-0.01**		**0.02**	**7**	**0**	**0.04**	**0.69**	**10**	**4.31**	**3.64**		**56**	**1.1**
	JN19027-002	1.52	3.05	12.3	-0.01		0.02	9.5	0	0.04	0.82	6	2.63	2.64		36	3.5
	JN19027-003	3.05	4.57	6.9	-0.01		0.02	12.7	0	0.06	1.09	4	1.59	2.2		22	5
	JN19027-004	4.57	6.1	3.7	-0.01		-0.01	8.7	0	0.03	0.67	2	4.87	1.93		10	2.5
	JN19027-005	6.1	7.62	4.4	-0.01		-0.01	9.9	0	0.03	0.63	3	3.29	2.09		18	2.7
	JN19027-006	7.62	9.14	8.3	-0.01		0.01	7.4	0	0.06	0.73	5	1.61	2.52		29	3.8
	JN19027-007	9.14	10.67	15.4	-0.01		-0.01	10.2	0	0.05	0.74	5	1.91	3.42		15	4.9
	JN19027-008	10.67	12.19	13.7	-0.01		-0.01	7.9	0	0.04	0.5	3	2.65	1.76		17	2.1
	JN19027-009	12.19	13.72	4.1	-0.01		-0.01	6.4	0	0.02	0.43	3	1.17	1.3		10	1.9
	JN19027-010	13.72	15.24	5.2	-0.01		0.23	5.7	0	0.04	0.45	3	1.77	1.63		9	1.9
	JN19027-011	15.24	16.76	6.7	-0.01		0.08	8	0	0.05	0.58	4	1.97	2.2		11	2.5
	JN19027-012	16.76	18.29	7	-0.01		0.02	7.5	0	0.04	0.56	4	1.96	2		14	2.7
	JN19027-013	18.29	19.81	8.3	-0.01		0.02	10.1	0	0.04	0.73	4	1.47	2.01		18	3.9
	JN19027-014	19.81	21.34	9.4	-0.01		0.03	11.8	0	0.04	0.92	4	0.67	2.11		35	4.5
	JN19027-015	21.34	22.86	11.5	-0.01		0.02	12.7	0	0.05	1.12	5	0.96	2.22		33	5.6
	JN19027-016	22.86	24.38	9.9	-0.01		0.02	10.3	0	0.05	0.93	4	0.66	2.03		24	4.8
	JN19027-017	24.38	25.91	6.4	-0.01		0.02	8	0	0.03	0.53	4	1.22	1.62		13	2.8
	JN19027-018	25.91	27.43	7.3	-0.01		0.01	7.3	0	0.02	0.49	3	1.2	1.62		12	2.8
	JN19027-019	27.43	28.96	6.7	-0.01		0.01	6.7	0	0.03	0.49	3	0.97	1.33		9	2.4
JN19028	**JN19028-001**	**0**	**1.52**	**13.7**	**-0.01**		**0.05**	**8.8**	**0**	**0.04**	**0.79**	**10**	**1.48**	**2.81**		**51**	**1.9**
	JN19028-002	1.52	3.05	29.9	-0.01		0.02	8.7	0.01	0.05	0.93	14	0.79	4.1		71	3.2
	JN19028-003	3.05	4.57	10.4	-0.01		0.01	7	0	0.04	0.65	5	3.49	2.33		26	2.4
	JN19028-004	4.57	6.1	7.9	-0.01		0.01	6.2	0	0.03	0.49	2	3.17	1.49		10	2.2
	JN19028-005	6.1	7.62	5.4	-0.01		-0.01	6.1	0	0.05	0.51	2	1.7	1.31		10	2.2
	JN19028-006	7.62	9.14	5.9	-0.01		-0.01	4.3	0	0.03	0.42	1	1.69	1.06		7	1.7
	JN19028-007	9.14	10.67	8.1	-0.01		0.01	8	0	0.04	0.73	2	1.28	1.91		10	2.6
	JN19028-008	10.67	12.19	8.2	-0.01		-0.01	7.7	0	0.04	0.63	2	1.36	1.83		10	2.5
	JN19028-009	12.19	13.72	7.6	-0.01		0.01	7.3	0	0.04	0.52	2	1.12	1.76		10	2.4
	JN19028-010	13.72	15.24	3.8	-0.01		0.03	3.8	0	0.03	0.28	1	0.36	0.81		9	1.7
	JN19028-011	15.24	16.76	4.7	-0.01		0.02	4.3	0	0.02	0.36	1	0.55	1.1		13	2.3
	JN19028-012	16.76	18.29	7.2	-0.01		0.01	5.5	0	0.04	0.43	3	0.6	1.67		14	2.7
	JN19028-013	18.29	19.81	7.4	-0.01		0.01	5.7	0	0.03	0.5	4	0.58	1.78		22	3.3
	JN19028-014	19.81	21.34	8.6	-0.01		0.02	7.3	0	0.03	0.68	5	0.45	2.31		34	4
	JN19028-015	21.34	22.86	10.5	-0.01		0.02	7.5	0	0.04	0.73	6	0.99	2.39		33	4.3
	JN19028-016	22.86	24.38	24.9	-0.01		0.01	7.7	0	0.04	0.71	9	0.83	3.24		40	4.6
	JN19028-017	24.38	25.91	30.3	-0.01		0.01	8.5	0	0.05	0.67	8	0.83	3.54		28	3.9
	JN19028-018	25.91	27.43	26.2	-0.01		0.01	7.2	0	0.04	0.5	4	0.77	2.21		15	2.3
	JN19028-019	27.43	28.96	48.6	-0.01		-0.01	7.3	0	0.05	0.58	5	1.08	3.36		18	2.8
	JN19028-020	28.96	30.48	46.1	-0.01		-0.01	6.7	0	0.05	0.5	8	0.96	3.21		20	2.5
JN19029	**JN19029-001**	**0**	**1.52**	**20.9**	**-0.01**		**0.02**	**9.2**	**0**	**0.05**	**1.04**	**14**	**1.62**	**3.98**		**70**	**2.3**
	JN19029-002	1.52	3.05	8.5	-0.01		0.01	7.1	0	0.05	0.58	3	5.4	2.09		21	2.4
	JN19029-003	3.05	4.57	9.5	-0.01		0.01	9.5	0	0.04	0.86	2	3.47	2.3		10	3.8
	JN19029-004	4.57	6.1	6.7	-0.01		-0.01	5.8	0	0.03	0.48	3	2.12	1.68		12	1.7
	JN19029-005	6.1	7.62	16.6	-0.01		0.01	7	0	0.04	0.69	2	1.61	2.35		13	3.4
	JN19029-006	7.62	9.14	31.5	-0.01		0.01	16.2	0	0.08	1.4	5	0.6	5.61		14	6.5
	JN19029-007	9.14	10.67	15.4	-0.01		0.01	8.5	0	0.05	0.64	4	1.9	2.16		15	3
	JN19029-008	10.67	12.19	24	-0.01		0.02	11.2	0	0.06	1.04	7	1.39	3.4		25	5
	JN19029-009	12.19	13.72	17.3	-0.01		0.01	7.8	0	0.04	0.51	4	3.9	1.93		13	2.3
	JN19029-010	13.72	15.24	21.9	-0.01		0.03	10.2	0	0.06	1	10	0.57	2.46		56	4.3
	JN19029-011	15.24	16.76	96.2	-0.01		0.04	10.3	0	0.07	1.18	12	0.31	7.44		62	6.5
	JN19029-012	16.76	18.29	75.1	-0.01		0.03	6.6	0	0.04	0.65	9	1.04	4.26		66	5.2
	JN19029-013	18.29	19.81	40.2	-0.01		0.01	9.4	0	0.05	0.69	14	0.76	4.35		49	4.5
	JN19029-014	19.81	21.34	54	-0.01		0.05	10.4	0	0.05	0.8	12	0.36	4.13		58	4.7

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Sr (ppm)	Ta (ppm)	Tb (ppm)	Te (ppm)	Th (ppm)	Ti (pct)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Yb (ppm)	Zn (ppm)	Zr (ppm)
	JN19029-015	21.34	22.81	69.8	-0.01		0.03	10.2	0	0.05	0.96	13	0.32	4.65		86	6.3
	JN19029-016	22.81	24.38	74.6	-0.01		0.03	10	0	0.05	1.1	13	0.16	4.24		86	6.4
	JN19029-017	24.38	25.91	31.7	-0.01		0.04	12.1	0	0.06	1.22	13	0.06	3.32		92	4.7
	JN19029-018	25.91	27.43	35	-0.01		0.04	10	0	0.07	1.22	15	0.09	2.95		99	6.3
	JN19029-019	27.43	28.96	54.9	-0.01		0.03	10.6	0	0.05	1.68	15	0.07	4.22		112	7.6
	JN19029-020	28.96	30.46	37.4	-0.01		0.05	9.3	0	0.06	1.43	14	0.07	3.15		98	6.2
	JN19029-021	30.46	32	53.1	-0.01		0.03	9.7	0	0.05	1.48	15	0.16	3.75		100	7.7
JN19030	**JN19030-001**	**0**	**1.52**	**20.9**	**-0.01**		**-0.01**	**7.4**	**0**	**0.03**	**0.5**	**6**	**7.35**	**2.2**		**17**	**2.1**
	JN19030-002	1.52	3.05	21.8	-0.01		-0.01	6.8	0	0.02	0.43	7	4.04	1.89		13	2.3
	JN19030-003	3.05	4.57	26	-0.01		0.01	7.9	0	0.03	0.54	8	2.84	2.49		13	2.7
	JN19030-004	4.57	6.1	26.7	-0.01		0.06	8.3	0	0.05	0.75	8	2.93	3.83		28	4.7
	JN19030-005	6.1	7.62	26.8	-0.01		0.04	10.1	0	0.08	1.01	15	0.26	4.72		89	6
	JN19030-006	7.62	9.14	57	-0.01		0.03	8.3	0	0.08	0.74	14	0.48	3.92		86	4.9
	JN19030-007	9.14	10.67	103	-0.01		0.02	12.4	0	0.06	1.08	18	0.1	6.82		79	10.1
	JN19030-008	10.67	12.19	71.9	-0.01		0.04	10.5	0	0.06	1.03	17	0.12	5.94		79	7.3
	JN19030-009	12.19	13.72	47.1	-0.01		0.04	9.1	0	0.06	0.83	18	0.07	3.87		90	4.6
	JN19030-010	13.72	15.24	63.1	-0.01		0.07	9.4	0	0.06	0.84	21	0.06	5.34		99	5.9
	JN19030-011	15.24	16.76	27.9	-0.01		0.12	10.4	0	0.09	1.2	18	-0.05	4.54		74	5.1
	JN19030-012	16.76	18.29	18.2	-0.01		0.04	9.4	0	0.05	1.47	14	-0.05	2.66		94	4.5
	JN19030-013	18.29	19.81	44.8	-0.01		0.03	10.5	0	0.06	1.46	17	-0.05	4.86		107	6.9
	JN19030-014	19.81	21.34	53.1	-0.01		0.05	8.8	0	0.07	1.19	16	0.05	4.31		96	8.5
	JN19030-015	21.34	22.86	26	-0.01		0.03	10.6	0	0.05	1.58	18	-0.05	2.7		114	6.4
	JN19030-016	22.86	24.38	35.7	-0.01		0.04	10	0	0.06	1.6	18	-0.05	3.54		110	6.5
	JN19030-017	24.38	25.91	26.5	-0.01		0.04	10	0	0.07	1.58	18	-0.05	2.95		106	6.2
	JN19030-018	25.91	27.43	36.3	-0.01		0.03	10.4	0	0.06	1.69	18	-0.05	3.59		109	6.3
	JN19030-019	27.43	28.96	27.1	-0.01		0.04	10.4	0	0.08	1.55	18	-0.05	3.1		113	6.9
	JN19030-020	28.96	30.48	89.3	-0.01		0.03	11.2	0	0.08	1.41	19	-0.05	5.11		111	7.2
JN19031	**JN19031-001**	**18**	**19.5**	**13.8**	**-0.01**		**0.03**	**25.1**	**0**	**0.38**	**1.84**	**17**	**0.39**	**23.9**		**32**	**9**
	JN19031-002	19.5	21	11.1	-0.01		0.01	23.7	0	0.41	2.18	31	0.62	18.8		29	8.9
	JN19031-003	21	22.5	11.9	-0.01		0.01	21.1	0	0.25	1.96	24	0.4	16.25		33	6.6
	JN19031-004	22.5	24	50	-0.01		0.03	26.6	0	0.11	2.69	34	0.38	28.1		60	4
	JN19031-005	24	25.5	136	0.01		0.02	17.1	0.1	0.06	1.84	29	0.38	15.05		25	3.2
	JN19031-006	25.5	27.2	112	-0.01		0.01	17.6	0.02	0.15	1.93	21	0.23	21.2		120	5.1
	JN19031-007	27.2	28.5	71.1	-0.01		0.03	8.1	0	0.04	6.36	-1	0.19	6.36		42	5
	JN19031-008	28.5	30	65.6	-0.01		0.02	8.5	0	0.03	5.12	-1	0.22	5.22		18	4.3
	JN19031-009	30	31.5	40.5	-0.01		0.01	8.6	0	0.03	5.94	-1	0.22	5.29		187	4.1
	JN19031-010	31.5	33	51.4	-0.01		-0.01	8.2	0	0.03	5.76	-1	0.14	5.28		39	4.6
	JN19031-011	33	34.5	42.9	-0.01		0.02	8.7	0	0.04	6.11	-1	0.11	5.27		284	5.9
	JN19031-012	34.5	36	53.1	-0.01		0.12	8.7	0	0.03	5.28	-1	0.11	6.13		37	4.8
	JN19031-013	36	37.5	51.8	-0.01		-0.01	8.5	0	0.02	4.87	-1	0.13	6.92		10	5
	JN19031-014	37.5	39	83.4	-0.01		-0.01	8.8	0	0.03	5.32	-1	0.13	8.59		11	4.5
	JN19031-015	48.53	50	39.4	-0.01		0.01	18.7	0	0.7	4.05	25	0.91	19.85		26	9.7
	JN19031-016	56	56.5	70.2	-0.01		0.02	18.5	0.07	0.53	1.98	35	0.19	11.5		26	9
	JN19031-017	81	82	28.1	-0.01		1.5	11.7	0.01	0.26	1.33	21	0.1	8.5		58	7.9
	JN19031-018	142	143.5	26.3	-0.01		-0.01	16	0.02	0.06	1.06	25	0.05	8.05		16	6.4
	JN19031-019	143.5	145	42.2	-0.01		-0.01	10.6	0.02	0.07	1.14	14	0.15	9.16		19	6.7
	JN19031-020	145	146.5	102.5	-0.01		0.03	15.2	0.09	0.57	1.41	35	0.1	8.67		18	8.3
	JN19031-021	146.5	148	61.6	-0.01		0.01	14.7	0.04	0.22	1.32	24	0.05	12.85		21	6.7
	JN19031-022	148	149.5	64.5	-0.01		0.01	19.3	0.04	0.17	1.65	33	0.06	10.65		18	9.5
	JN19031-023	149.5	151	13.5	-0.01		-0.01	14.5	0	0.07	0.81	22	-0.05	8.38		27	5.2
	JN19031-024	151	152.5	7.4	-0.01		-0.01	12.1	0.01	0.03	0.55	13	0.06	5.07		13	2.8
	JN19031-025	152.5	154	5.6	-0.01		-0.01	15.2	0.01	0.05	0.63	15	0.06	5.73		31	3.1
	JN19031-026	154	155.5	7.8	-0.01		-0.01	12.3	0	0.02	0.53	27	-0.05	3.67		22	2.9
	JN19031-027	155.5	157	15.4	-0.01		-0.01	12.5	0	0.05	0.64	9	0.05	4		50	3.5
	JN19031-028	157	158	8	-0.01		-0.01	10.9	0	0.06	0.56	14	0.05	3.39		76	2.9
	JN19031-029	158	159	4.9	-0.01		-0.01	10.8	0	0.04	0.5	16	-0.05	5.62		23	3.1
	JN19031-030	159	160	5.2	-0.01		-0.01	10	0	0.06	0.6	24	-0.05	8.39		21	3.7
	JN19031-031	160	161	3.6	-0.01		-0.01	8.9	0	0.05	0.46	25	0.06	5.62		22	3.1
	JN19031-032	161	162	2.6	-0.01		0.02	11.3	0	0.02	0.59	12	0.14	2.34		32	1.9
	JN19031-033	162	163	3	-0.01		0.06	8.1	0	0.04	0.44	2	-0.05	1.92		28	1.5
	JN19031-034	163	164	7.3	-0.01		-0.01	19.6	0	0.1	0.97	9	-0.05	5.96		51	3.4
	JN19031-035	164	165	9.6	-0.01		-0.01	14.2	0	0.14	1.03	15	-0.05	7.92		21	5.4
	JN19031-036	165	166	7.1	-0.01		-0.01	11.5	0	0.14	0.82	16	0.07	6.37		42	4.4

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Sr (ppm)	Ta (ppm)	Tb (ppm)	Te (ppm)	Th (ppm)	Ti (pct)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Yb (ppm)	Zn (ppm)	Zr (ppm)
	JN19031-037	166	167	3.3	-0.01		-0.01	10.5	0	0.03	0.62	10	-0.05	4.38		35	2.1
	JN19031-038	167	168	15.6	-0.01		0.01	16.3	0.01	0.1	0.99	19	0.05	8.36		48	5.8
	JN19031-039	168	169	17.3	-0.01		-0.01	12.5	0.01	0.08	0.97	31	0.08	7.29		27	7.8
	JN19031-040	169	169.84	12.5	-0.01		0.02	11.3	0.01	0.06	0.76	22	0.05	6.55		24	3.9
	JN19031-041	169.84	171	31.1	-0.01		0.04	16.8	0.06	0.48	1.62	31	0.05	11.1		38	8.6
	JN19031-042	171	172.5	28.3	-0.01		0.03	17.2	0.09	0.59	1.74	26	0.06	9.5		32	10.1
	JN19031-043	172.5	174	44.9	-0.01		0.02	17.3	0.07	0.34	1.51	31	0.09	10.5		30	8.5
	JN19031-044	174	175.19	8.4	-0.01		0.07	8.6	0.01	0.04	0.67	13	0.05	4.78		18	2.7
	JN19031-045	175.19	176	9.6	-0.01		-0.01	10.2	0.01	0.07	1	13	-0.05	5.52		16	4.4
	JN19031-046	176	177.5	14.3	-0.01		0.01	18.8	0.01	0.14	1.36	20	0.05	9.87		34	7.7
	JN19031-047	177.5	179	30.4	-0.01		0.04	17.5	0.03	0.21	1.6	18	-0.05	9.78		26	14.6
	JN19031-048	179	180.5	33.5	-0.01		0.02	16.3	0.02	0.17	1.42	16	-0.05	10.15		18	11.2
	JN19031-049	180.5	182	33.8	-0.01		0.02	16.4	0.01	0.09	1.07	15	-0.05	10.05		13	7.1
	JN19031-050	182	183	17.9	-0.01		-0.01	8	0.01	0.02	0.59	15	-0.05	4.06		10	2.4
	JN19031-051	183	184	22.2	-0.01		0.09	10.4	0	0.04	0.76	19	-0.05	8.26		155	2.7
	JN19031-052	184	185.5	25.8	-0.01		-0.01	12.3	0.01	0.05	0.85	17	-0.05	10.6		13	4
	JN19031-053	185.5	187	20.4	-0.01		0.01	9	0.03	0.04	0.67	12	0.09	5.31		13	3.4
	JN19031-054	187	188.5	16.7	-0.01		-0.01	8.3	0.06	-0.02	0.64	3	0.32	4.6		15	2.1
	JN19031-055	188.5	189.18	28.4	-0.01		0.02	9.6	0.02	0.09	0.65	11	0.11	5.41		21	3.5
	JN19031-056	189.18	190	5.9	-0.01		-0.01	8.4	0	0.03	0.61	21	0.05	5.33		20	3.5
	JN19031-057	190	191.5	5.9	-0.01		0.02	8.1	0	0.03	0.51	13	0.06	4.25		82	2
	JN19031-058	191.5	193	21.2	-0.01		-0.01	7.7	0	0.02	0.5	9	-0.05	5.36		12	2
	JN19031-059	193	194.5	25.1	-0.01		0.01	7.8	0	0.03	0.61	12	-0.05	7.24		13	2.3
	JN19031-060	194.5	196	31	-0.01		0.01	7	0.01	0.03	0.65	16	0.06	6.88		16	3.6
	JN19031-061	196	197.5	52.5	-0.01		0.01	10.9	0.02	0.07	1.03	18	0.06	9.74		13	6.7
	JN19031-062	197.5	199	40.2	-0.01		0.01	11.2	0.02	0.09	1.13	22	0.05	11.45		20	6.8
	JN19031-063	199	200.5	21	-0.01		-0.01	5.8	0.01	0.03	0.64	21	0.05	4.43		13	3.2
	JN19031-064	200.5	202	22.2	-0.01		0.03	2.5	0.02	-0.02	0.33	26	0.07	3.94		9	2.2
	JN19031-065	202	203.5	25.6	-0.01		0.03	7	0	0.05	0.63	24	-0.05	5.92		17	4.2
	JN19031-066	203.5	205	27.5	-0.01		0.04	8.5	0.02	0.04	0.61	19	-0.05	6.47		15	4.1
	JN19031-067	205	205.6	24	-0.01		0.02	7.2	0.02	0.02	0.47	17	0.06	5.93		12	2
	JN19031-068	205.6	207	40.4	-0.01		0.01	8.8	0	0.05	0.59	10	-0.05	4.81		28	3.3
	JN19031-069	210	211.5	115	-0.01		0.15	11.3	0	0.1	1.25	18	-0.05	10.75		164	6.3
	JN19031-070	211.5	213	74.2	-0.01		0.07	16.5	0	0.13	1.49	20	0.06	10.8		37	8.3
	JN19031-071	223.5	225	26.6	-0.01		0.01	11.5	0.03	0.16	1.01	25	0.05	6.38		42	6.8
	JN19031-072	247.06	248	33	-0.01		0.02	7	0.02	0.11	0.75	26	-0.05	5.69		80	6.1
	JN19031-073	248	249.67	41.3	-0.01		-0.01	10.3	0.02	0.12	0.77	21	-0.05	6.52		58	6.1
	JN19031-074	249.67	251	42	-0.01		0.02	11.4	0.03	0.18	0.86	21	0.05	8.67		60	7
	JN19031-075	251	252	16.4	-0.01		0.01	7.7	0.01	0.26	0.73	20	-0.05	5.16		111	6.1
	JN19031-076	252	253	16.7	-0.01		0.02	6.8	0	0.17	0.67	17	-0.05	3.42		246	5.7
	JN19031-077	253	254	39.2	-0.01		0.01	8.3	0.01	0.14	0.78	17	-0.05	5.55		90	6.6
	JN19031-078	254	254.85	30.8	-0.01		0.04	9.3	0.01	0.31	0.68	23	-0.05	9.56		21700	6.6
	JN19031-079	254.85	256	39.9	0.01		-0.01	8.5	0	0.06	6.97	3	0.54	16.75		21	4
	JN19031-080	256	257	40.6	0.01		-0.01	8.8	0	0.04	8.97	1	0.45	11.95		13	4
	JN19031-081	257	258.5	53.1	0.01		0.01	9.9	0	0.08	5.59	9	0.29	15.7		14	5.4
	JN19031-082	258.5	259.12	43.9	-0.01		-0.01	15.1	0.04	0.55	1.29	29	0.11	22.5		30	8.4
	JN19031-083	259.12	260	35.7	0.01		0.01	8.7	0	0.16	9.36	-1	1.24	16.35		15	5.5
	JN19031-084	260	261	19.7	0.01		-0.01	8.9	0	0.06	8.68	1	1.22	18.35		6	6.8
	JN19031-085	261	262	29.2	0.01		0.01	9.7	0	0.05	8.9	1	1.63	16.4		6	6.3
	JN19031-086	289	289.76	71.5	-0.01		0.03	17.4	0.03	0.14	1.44	30	0.06	15.6		25	7.7
	JN19031-087	289.76	290.5	50.6	-0.01		0.02	13.2	0.02	0.12	0.84	20	0.07	12.35		23	3.9
	JN19031-088	290.5	291.31	86.3	-0.01		0.03	17.1	0.06	0.65	2.07	27	0.06	16.2		62	16
JN19032	**JN19032-001**	**0**	**1.52**	**10.6**	**-0.01**		**0.01**	**11**	**0**	**0.05**	**1.1**	**6**	**2.12**	**2.56**		**23**	**4.9**
	JN19032-002	1.52	3.05	22	-0.01		-0.01	8.1	0	0.04	0.6	7	2.19	2.89		17	3.7
	JN19032-003	3.05	4.57	12.9	-0.01		-0.01	8.8	0	0.03	0.51	10	1.66	2.62		15	3
	JN19032-004	4.57	6.1	15.5	-0.01		0.03	11.2	0	0.07	1.23	11	0.35	4.6		65	6.8
	JN19032-005	6.1	7.62	34.1	-0.01		0.04	9	0	0.06	0.85	14	0.28	3.82		81	5.5
	JN19032-006	7.62	9.14	39.6	-0.01		0.04	9.8	0	0.05	0.99	17	0.07	3.21		89	8.4
	JN19032-007	9.14	10.67	91.9	-0.01		0.03	8.9	0	0.06	1.09	15	0.07	4.59		83	7.8
	JN19032-008	10.67	12.19	18.6	-0.01		0.06	9.8	0	0.12	1.45	14	0.1	3.2		164	9.4
	JN19032-009	12.19	13.72	28.7	-0.01		0.08	9.5	0	0.09	1.2	15	0.07	2.74		104	7.7
	JN19032-010	13.72	15.24	56.4	-0.01		0.05	9.6	0	0.07	0.94	16	0.06	4.43		94	5.9
	JN19032-011	15.24	16.76	26.8	-0.01		0.05	10.9	0	0.05	0.9	24	-0.05	3.17		115	5.7
	JN19032-012	16.76	18.29	39.9	-0.01		0.04	10.8	0	0.05	0.92	21	-0.05	3.84		110	6.4

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Sr (ppm)	Ta (ppm)	Tb (ppm)	Te (ppm)	Th (ppm)	Ti (pct)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Yb (ppm)	Zn (ppm)	Zr (ppm)
	JN19032-013	18.29	19.81	38.1	-0.01		0.03	9.6	0	0.05	0.9	18	0.13	3.07		86	7.2
	JN19032-014	19.81	21.34	78.6	-0.01		0.03	9.6	0	0.05	1.07	20	0.06	3.84		103	8.3
	JN19032-015	21.34	22.86	45	-0.01		0.02	9.7	0	0.05	0.92	14	-0.05	3.72		81	7.5
	JN19032-016	22.86	24.38	51.4	-0.01		0.06	8.5	0	0.04	1.08	13	-0.05	2.99		77	8.1
	JN19032-017	24.38	25.91	104.5	-0.01		0.02	8.9	0	0.05	0.96	15	-0.05	4.09		81	10.3
	JN19032-018	25.91	27.43	71.1	-0.01		0.01	9.6	0	0.05	1.02	17	-0.05	4.11		86	8.3
	JN19032-019	27.43	28.96	83.8	-0.01		0.08	9.8	0	0.07	1.24	17	0.05	4.37		90	10.5
	JN19032-020	28.96	30.48	64.9	-0.01		0.1	9.2	0	0.07	1.16	18	-0.05	3.74		114	9.3
JN19033	**JN19033-001**	**0**	**1.52**	**12.7**	**-0.01**		**0.02**	**8.1**	**0**	**0.04**	**0.64**	**8**	**4.53**	**2.51**		**37**	**2.7**
	JN19033-002	1.52	3.05	8.9	-0.01		0.03	10.6	0	0.07	0.78	12	1.5	3.15		67	5.2
	JN19033-003	3.05	4.57	36.5	-0.01		0.03	14.5	0	0.07	1.14	15	0.17	5.33		83	4.6
	JN19033-004	4.57	6.1	18.2	-0.01		0.01	13.2	0	0.1	2.33	16	0.19	8.65		90	6.7
	JN19033-005	6.1	7.62	72.4	-0.01		0.01	16.3	0.01	0.08	1.39	24	0.11	14.35		104	8.1
	JN19033-006	7.62	9.14	67.9	-0.01		0.02	13.1	0	0.08	1.18	22	0.1	7.82		114	6.6
	JN19033-007	9.14	10.67	31.3	-0.01		0.07	9.8	0	0.06	0.93	19	0.06	3.11		98	4.9
	JN19033-008	10.67	12.19	28.2	-0.01		0.03	10	0	0.06	1.01	19	0.11	2.52		97	4.9
	JN19033-009	12.19	13.72	17.1	-0.01		0.04	9.7	0	0.07	1.41	16	-0.05	2.25		109	4.2
	JN19033-010	13.72	15.24	66	-0.01		0.05	10	0	0.07	1.83	15	0.07	4.22		112	6.1
	JN19033-011	15.24	16.76	29.5	-0.01		0.03	11.6	0	0.06	1.63	18	0.27	2.8		116	6.6
	JN19033-012	16.76	18.29	43.2	-0.01		0.03	11.8	0	0.06	1.92	18	0.2	3.82		115	5.4
	JN19033-013	18.29	19.81	30.5	-0.01		0.04	10.5	0	0.06	1.54	21	0.13	2.93		118	5
	JN19033-014	19.81	21.34	36.7	-0.01		0.03	12.2	0	0.07	1.59	20	0.08	3.12		118	6.2
	JN19033-015	21.34	22.86	33.2	-0.01		0.04	10.8	0	0.08	1.31	18	0.06	2.56		96	7.5
	JN19033-016	22.86	24.38	25.4	-0.01		0.03	10.8	0	0.05	1.44	18	-0.05	2.44		106	4.8
	JN19033-017	24.38	25.91	25.5	-0.01		0.03	11.3	0	0.06	1.5	18	-0.05	2.64		107	4.5
	JN19033-018	25.91	27.43	73.3	-0.01		0.03	9.4	0	0.07	1.18	20	0.1	3.14		106	8.7
	JN19033-019	27.43	28.96	28	-0.01		0.04	10.7	0	0.07	1.45	19	0.09	2.72		109	6.5
	JN19033-020	28.96	30.48	23	-0.01		0.05	8.9	0	0.07	1.23	19	0.05	2.43		110	6.4
JN19034	**JN19034-001**	**0**	**1.52**	**15.8**	**-0.01**		**0.02**	**9.8**	**0**	**0.09**	**0.76**	**12**	**0.87**	**2.29**		**31**	**4.4**
	JN19034-002	1.52	3.05	5	-0.01		-0.01	8.1	0	0.03	0.53	6	3.97	1.94		19	3.2
	JN19034-003	3.05	4.57	7.2	-0.01		-0.01	7.3	0	0.04	0.48	7	1.35	2.87		15	3.1
	JN19034-004	4.57	6.1	15.1	-0.01		0.03	12.9	0	0.11	0.84	14	0.46	4.58		45	5.3
	JN19034-005	6.1	7.62	38	-0.01		0.04	13.7	0	0.07	1.39	14	0.12	8.6		73	5.5
	JN19034-006	7.62	9.14	67.7	-0.01		0.08	13.2	0	0.09	1.94	14	0.19	8.31		79	7.6
	JN19034-007	9.14	10.67	40.7	-0.01		0.09	10.8	0	0.05	1.54	13	0.17	5.37		80	5.1
	JN19034-008	10.67	12.19	66	-0.01		0.01	8.9	0	0.05	0.78	16	0.12	4.43		89	4.9
	JN19034-009	12.19	13.72	43.4	-0.01		0.03	9.3	0	0.07	0.85	16	0.15	3.58		96	4.3
	JN19034-010	13.72	15.24	54.5	-0.01		0.06	9.8	0	0.06	0.98	15	0.1	3.97		92	5.6
	JN19034-011	15.24	16.76	39.6	-0.01		0.07	10.4	0	0.05	0.89	17	-0.05	4.12		90	4.7
	JN19034-012	16.76	18.29	37.5	-0.01		0.06	9.8	0	0.05	0.92	17	0.77	3.74		91	4.6
	JN19034-013	18.29	19.81	43.5	-0.01		0.05	9	0	0.05	0.79	17	0.05	3.4		92	4.9
	JN19034-014	19.81	21.34	32	-0.01		0.06	9.1	0	0.06	0.81	18	-0.05	3.05		93	5
JN19035	**JN19035-001**	**0**	**1.52**	**31.4**	**-0.01**		**0.01**	**8.8**	**0.01**	**0.12**	**0.47**	**9**	**4.52**	**2.9**		**12**	**2.1**
	JN19035-002	1.52	3.05	44.2	-0.01		0.01	8.2	0	0.06	0.52	7	9.84	2.36		12	2.7
	JN19035-003	3.05	4.57	32.2	-0.01		0.04	9.7	0	0.05	1.08	10	4.5	3.83		45	3.9
	JN19035-004	4.57	6.1	25.6	-0.01		0.05	11.5	0	0.06	1.32	17	0.31	4.36		106	5
	JN19035-005	6.1	7.62	43.1	-0.01		0.05	10.2	0	0.06	0.93	16	0.25	3.3		108	5.4
	JN19035-006	7.62	9.14	36.1	-0.01		0.04	10.2	0	0.05	1.04	15	0.43	3.04		97	5
	JN19035-007	9.14	10.67	21.9	-0.01		0.04	10.2	0	0.06	1.48	12	0.11	2.47		89	4.6
	JN19035-008	10.67	12.19	78.6	-0.01		0.09	9	0	0.07	1.53	13	0.15	3.68		102	6.2
	JN19035-009	12.19	13.72	29.2	-0.01		0.05	10	0	0.07	1.25	17	-0.05	2.48		110	4.2
	JN19035-010	13.72	15.24	79.2	-0.01		0.04	10.9	0	0.06	1.59	16	-0.05	2.89		94	15.8
	JN19035-011	15.24	16.76	59	-0.01		0.04	9.7	0	0.07	1.42	19	-0.05	3.08		110	9.6
	JN19035-012	16.76	18.29	33.4	-0.01		0.03	10.7	0	0.06	1.56	18	-0.05	2.63		113	6.2
	JN19035-013	18.29	19.81	36	-0.01		0.04	10.1	0	0.06	1.44	17	0.07	2.8		107	7.5
	JN19035-014	19.81	21.34	27.1	-0.01		0.03	9.9	0	0.06	1.36	18	-0.05	2.54		114	6.2
	JN19035-015	21.34	22.86	35.8	-0.01		0.06	8.6	0	0.07	1.16	19	-0.05	2.37		109	8.8
	JN19035-016	22.86	24.38	21.1	-0.01		0.05	8.2	0	0.07	1.11	19	-0.05	2.28		109	7.5
	JN19035-017	24.38	25.91	39.4	-0.01		0.05	10.2	0	0.06	1.27	19	-0.05	2.55		111	10.4
	JN19035-018	25.91	27.43	56.6	-0.01		0.02	9.4	0	0.05	1.26	20	-0.05	3.92		107	8.6
	JN19035-019	27.43	28.96	48.5	-0.01		0.03	9.3	0	0.05	1.2	17	0.08	3.34		103	10.3
	JN19035-020	28.96	30.48	36.1	-0.01		0.03	9.6	0	0.05	1.46	18	0.05	3.01		111	7.9

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Sr (ppm)	Ta (ppm)	Tb (ppm)	Te (ppm)	Th (ppm)	Ti (pct)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Yb (ppm)	Zn (ppm)	Zr (ppm)
JN19036	**JN19036-001**	**0**	**1.52**	**19.1**	**-0.01**		**0.01**	**8.9**	**0**	**0.05**	**0.45**	**9**	**14.6**	**3.01**		**13**	**1.9**
	JN19036-002	1.52	3.05	21.7	-0.01		-0.01	7.9	0	0.03	0.42	7	28	2.27		11	2.2
	JN19036-003	3.05	4.57	39.1	-0.01		-0.01	8	0	0.05	0.97	7	30.7	4.25		9	6.8
	JN19036-004	4.57	6.1	39.9	-0.01		0.02	8.5	0	0.04	0.71	7	6.9	3.01		29	3.2
	JN19036-005	6.1	7.62	30.7	-0.01		0.04	9.7	0	0.05	0.96	12	4.22	3.25		71	4.7
	JN19036-006	7.62	9.14	52.5	-0.01		0.02	9.5	0	0.04	0.89	15	0.4	3.17		83	6.1
	JN19036-007	9.14	10.67	46.7	-0.01		0.08	9.7	0	0.05	0.89	17	0.12	2.9		95	4.8
	JN19036-008	10.67	12.19	33	-0.01		0.07	9.5	0	0.06	0.88	16	0.11	2.46		94	5.1
	JN19036-009	12.19	13.72	22.7	-0.01		0.03	10.3	0	0.06	1.2	13	0.08	2.37		77	4.6
	JN19036-010	13.72	15.24	34.4	-0.01		0.04	11.1	0	0.08	1.49	15	0.05	2.99		94	4.3
	JN19036-011	15.24	16.76	34.2	-0.01		0.06	9.6	0	0.06	1.5	13	0.23	2.64		91	5
	JN19036-012	16.76	18.29	153.5	-0.01		0.04	9.1	0	0.07	1.55	14	0.08	4.82		110	6.1
	JN19036-013	18.29	19.81	131.5	-0.01		0.04	9.3	0	0.06	1.59	14	0.09	4.87		101	6.5
	JN19036-014	19.81	21.34	56.8	-0.01		0.03	9.9	0	0.07	1.49	16	0.05	3.01		108	5.5
	JN19036-015	21.34	22.86	65.1	-0.01		0.03	10	0	0.06	1.5	16	0.07	3.2		108	5.3
	JN19036-016	22.86	24.38	110.5	-0.01		0.05	9.9	0	0.07	1.49	17	-0.05	4.71		111	6.4
	JN19036-017	24.38	25.91	37.2	-0.01		0.04	10.1	0	0.06	1.48	17	-0.05	2.73		105	4.8
	JN19036-018	25.91	27.43	25.2	-0.01		0.03	10.4	0	0.06	1.67	17	-0.05	2.65		114	5.1
	JN19036-019	27.43	28.96	27.2	-0.01		0.05	8.8	0	0.07	1.16	18	-0.05	2.28		103	6.6
	JN19036-020	28.96	30.48	21.6	-0.01		0.04	9.4	0	0.07	1.04	19	0.05	2.22		111	5.1
JN19037	**JN19037-001**	**0**	**1.52**	**16.3**	**-0.01**		**0.02**	**13.1**	**0**	**0.04**	**1.18**	**18**	**0.26**	**4.64**		**101**	**3.2**
	JN19037-002	1.52	3.05	18.8	-0.01		0.02	11.7	0	0.05	1.28	15	0.69	5.56		98	5.9
	JN19037-003	3.05	4.57	14.7	-0.01		0.02	11.2	0	0.05	1.12	11	0.44	4.9		60	5.8
	JN19037-004	4.57	6.1	26.6	-0.01		0.02	8.9	0	0.05	1.06	12	1.05	5.91		71	6.3
	JN19037-005	6.1	7.62	66.7	-0.01		0.04	7.8	0	0.05	0.78	10	3.09	4.75		44	4.9
	JN19037-006	7.62	9.14	48.6	-0.01		0.03	8.2	0	0.05	0.85	13	0.72	4.09		77	4.9
	JN19037-007	9.14	10.67	21.4	-0.01		0.05	9.6	0	0.06	1.39	14	-0.05	2.26		95	4.1
	JN19037-008	10.67	12.19	37.5	-0.01		0.09	8.3	0	0.05	0.91	18	0.05	2.4		93	4.9
	JN19037-009	12.19	13.72	95.8	-0.01		0.05	8.1	0	0.06	1.44	13	0.07	3.59		98	5.9
JN19038	**JN19038-001**	**0**	**1.52**	**16.7**	**-0.01**		**0.04**	**12.2**	**0**	**0.04**	**1.1**	**16**	**0.08**	**3.21**		**106**	**4.6**
	JN19038-002	1.52	3.05	19.4	-0.01		0.03	13.4	0	0.04	1.36	17	0.05	4.37		102	4.4
	JN19038-003	3.05	4.57	21.9	0.01		0.03	13.3	0	0.04	1.39	17	0.07	3.93		101	5.1
	JN19038-004	4.57	6.1	24.3	-0.01		0.04	11	0	0.05	1.13	17	0.07	3.25		106	5.1
	JN19038-005	6.1	7.62	38.8	-0.01		0.04	10.2	0	0.04	0.97	17	0.05	3.06		104	6.1
	JN19038-006	7.62	9.14	37	-0.01		0.02	9.9	0	0.04	1.1	17	-0.05	3.08		103	5.2
	JN19038-007	9.14	10.67	27.5	-0.01		0.03	9.8	0	0.05	1.35	14	0.1	3.46		86	6.3
	JN19038-008	10.67	12.19	42.8	-0.01		0.02	10.3	0	0.06	1.27	14	0.41	5		64	8.5
	JN19038-009	12.19	13.72	29.8	-0.01		0.02	7.6	0	0.04	0.7	6	1.29	3.22		37	5.2
	JN19038-010	13.72	15.24	19.4	-0.01		0.02	7.6	0	0.03	0.53	4	1.52	1.94		29	3.3
	JN19038-011	15.24	16.76	26.8	-0.01		0.01	7.6	0	0.04	0.59	8	1.11	2.33		40	4.1
	JN19038-012	16.76	18.29	6.7	-0.01		0.01	4.1	0	0.03	0.27	2	0.46	1.12		10	1.8
	JN19038-013	18.29	19.81	7.6	-0.01		0.01	8.3	0	0.05	0.65	2	0.49	1.61		9	3.3
	JN19038-014	19.81	21.34	8	-0.01		0.02	7.3	0	0.04	0.63	2	0.45	1.44		7	3.1
	JN19038-015	21.34	22.86	6.5	-0.01		0.02	6.7	0	0.04	0.46	3	0.27	1.42		8	2
	JN19038-016	22.86	24.38	9.2	-0.01		0.02	6.7	0	0.12	0.55	4	0.29	1.82		14	2.8
	JN19038-017	24.38	25.91	36	-0.01		0.04	8.6	0	0.07	0.94	12	0.06	2.52		83	4
	JN19038-018	25.91	27.43	61.9	-0.01		0.07	7.1	0	0.09	0.88	10	0.11	3.2		68	5.1
	JN19038-019	27.43	28.96	69.2	-0.01		0.06	9.6	0	0.07	0.97	14	0.07	5.12		94	6.9
	JN19038-020	28.96	30.48	89.2	-0.01		0.04	10	0	0.05	1.02	17	-0.05	3.9		93	6.4
JN19039	**JN19039-001**	**20**	**21.83**	**10.1**	**-0.01**		**0.01**	**10.1**	**0**	**0.17**	**1.36**	**11**	**1.99**	**8.35**		**29**	**4.4**
	JN19039-002	21.83	23	7.9	-0.01		0.01	5.4	0	0.06	0.47	2	0.52	2.51		11	1.9
	JN19039-003	23	24	6.5	-0.01		-0.01	10	0	0.07	0.69	4	0.93	3.78		14	2.6
	JN19039-004	24	25.5	4.3	-0.01		-0.01	6.6	0	0.09	0.88	6	1.02	3.46		15	2.8
	JN19039-005	25.5	27	6.7	-0.01		0.01	7.7	0	0.22	0.69	3	0.72	3.21		17	2.3
	JN19039-006	27	28.18	7.3	-0.01		-0.01	4	0	0.21	0.51	1	0.26	1.72		27	1.5
	JN19039-007	28.18	29	3.2	-0.01		-0.01	3.6	0	0.14	0.44	1	0.17	1.33		26	1.1
	JN19039-008	29	29.9	8.4	-0.01		-0.01	4.1	0	0.2	0.58	1	0.31	1.65		23	1.8
	JN19039-009	29.9	31	7.4	0.35		-0.01	4.7	0	0.12	0.53	1	0.28	1.53		15	1.8
	JN19039-010	31	31.77	6	-0.01		0.01	4.1	0	0.04	0.39	1	0.16	0.79		10	1.4
	JN19039-011	31.77	33	7.2	-0.01		-0.01	5.4	0	0.04	0.78	1	0.15	1.08		10	1.5
	JN19039-012	33	34.5	7.2	-0.01		-0.01	7.4	0	0.05	0.58	1	0.24	1.17		11	1.6

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Sr (ppm)	Ta (ppm)	Tb (ppm)	Te (ppm)	Th (ppm)	Ti (pct)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Yb (ppm)	Zn (ppm)	Zr (ppm)
	JN19039-013	34.5	35.5	10.9	-0.01		-0.01	5.4	0	0.07	0.59	2	0.5	2.63		14	2.1
	JN19039-014	35.5	36.82	14.9	-0.01		0.01	6.6	0	0.89	0.65	3	0.89	3.23		24	2.7
	JN19039-015	36.82	38	7.9	-0.01		0.01	7.7	0	0.45	0.8	2	0.71	2.87		15	2.5
	JN19039-016	38	39.66	17.9	-0.01		0.02	10.1	0	1.91	1.22	6	1.51	5.88		38	4.2
	JN19039-017	39.66	40.82	28.8	-0.01		0.01	11.8	0	1.03	1.13	7	1.71	6.72		60	4.8
	JN19039-018	40.82	42	54.9	-0.01		0.08	6.7	0	0.19	1.56	32	2.54	7.12		198	8.7
	JN19039-019	42	43.5	60	-0.01		0.18	7	0	0.31	1.08	35	1.87	7.15		116	8.5
	JN19039-020	43.5	45	74.7	-0.01		0.32	7.8	0	0.28	1.77	52	2.77	11.2		137	15.7
	JN19039-021	45	46.5	71.2	-0.01		0.11	6.5	0	0.14	1.29	49	1.8	9.22		138	12
	JN19039-022	46.5	48	71.4	-0.01		0.05	5.4	0	0.15	1.07	53	0.93	8.87		101	12.3
	JN19039-023	48	49	65.4	-0.01		0.03	6.7	0.01	0.16	1.91	107	0.5	18.2		57	10.5
	JN19039-024	49	50	65.3	-0.01		0.1	5.1	0	0.16	1.91	72	1.17	11.55		93	18.4
	JN19039-025	50	51.5	189	-0.01		0.04	6.8	0.02	0.14	2.74	124	0.12	23.5		83	2.7
	JN19039-026	51.5	52	102.5	-0.01		0.69	2.6	0	0.1	1.42	7	3.04	10.4		238	4.7
	JN19039-027	52	53	95.9	-0.01		1.68	4.7	0	0.07	1.74	2	1.64	10.95		34	4.5
	JN19039-028	53	54	90	-0.01		5.22	3.5	0	0.06	1.63	2	8.08	10.45		66	2.3
	JN19039-029	54	55	101	-0.01		0.35	7.2	0	0.05	2.36	3	11.95	11.45		16	2.7
	JN19039-030	55	56	59.2	-0.01		1.06	10	0	0.16	2.45	4	66.8	12.85		20	2.3
	JN19039-031	56	57	52.2	-0.01		2.07	10	0	0.04	2.36	4	66	12.05		19	2.2
	JN19039-032	57	58	55.2	-0.01		0.32	10.3	0	0.05	2.47	5	135	11.65		22	2.3
	JN19039-033	58	58.66	59	-0.01		0.92	11	0	0.04	2.39	3	45.9	11.75		21	2.2
	JN19039-034	58.66	59.34	17.7	-0.01		13.7	2.9	0	0.07	0.72	1	640	5.35		12	1.1
	JN19039-035	59.34	60	64.6	-0.01		0.19	11.7	0	0.04	2.91	5	41.3	12.5		21	2.7
	JN19039-036	60	61	58.9	-0.01		0.67	11.5	0	0.05	2.52	5	22.5	12.5		30	3.5
	JN19039-037	61	62	42.5	-0.01		0.41	12.6	0.01	0.06	3.21	12	50.3	13.55		25	4.1
	JN19039-038	62	63	56.9	-0.01		0.35	11.7	0	0.05	2.93	7	17.35	12.6		22	3.1
	JN19039-039	63	64	55.6	-0.01		0.3	11.8	0	0.05	2.93	8	35.5	13.2		22	2.9
	JN19039-040	64	65.5	69.9	-0.01		0.22	10.8	0	0.04	2.7	5	44.8	12.5		22	3.3
	JN19039-041	65.5	67	62.7	-0.01		0.48	10.2	0	0.05	2.65	6	45.5	11.6		22	3.6
	JN19039-042	67	68.5	59.6	-0.01		0.18	10.2	0	0.06	2.56	5	78.3	12.25		20	3.6
	JN19039-043	68.5	70	70.4	-0.01		0.34	9.9	0	0.05	2.78	6	81.1	11.55		20	3.5
	JN19039-044	70	71.5	82.8	-0.01		0.07	10.5	0	0.05	2.82	4	40.1	12.4		19	3.4
	JN19039-045	71.5	73	81.2	-0.01		0.53	10.6	0	0.06	2.88	5	64.7	12.05		24	3.3
	JN19039-046	73	74.5	71.8	-0.01		0.14	10.5	0	0.04	2.67	6	30.1	11.95		17	3.2
	JN19039-047	74.5	76	64.1	-0.01		0.36	9.6	0	0.06	2.61	6	41	12.3		23	3.3
	JN19039-048	76	77	63.9	-0.01		0.06	10.4	0	0.06	2.68	6	18.8	12.4		20	3.6
	JN19039-049	77	78	62.7	-0.01		0.25	10.5	0.01	0.08	2.86	8	17.65	12.7		171	3.5
	JN19039-050	78	79	72.6	-0.01		0.19	10	0	0.09	3.15	5	7.71	12		73	3.1
	JN19039-051	79	80	70.9	-0.01		0.09	10.1	0	0.08	2.79	6	9.19	11.7		28	3.2
	JN19039-052	80	81	71.4	-0.01		0.05	9.9	0	0.06	3.4	4	5.37	11.4		31	3.5
	JN19039-053	81	82	73.4	-0.01		0.03	10.2	0	0.05	3.38	6	11.45	13.2		18	2.8
	JN19039-054	82	83	65.4	-0.01		0.14	10.5	0	0.06	3	8	32	13.7		18	3
	JN19039-055	83	84	54.4	-0.01		0.1	11.1	0	0.05	3.09	9	65.3	13.8		17	2.6
	JN19039-056	84	85	52.5	-0.01		0.38	11.2	0.01	0.08	3.31	11	97.2	14.15		27	3.2
	JN19039-057	85	86	63.4	-0.01		0.65	10.3	0	0.09	3.14	10	99.2	13		20	2.9
	JN19039-058	86	87	48.2	-0.01		0.79	10.5	0.01	0.09	2.96	11	191.5	12.55		30	3
	JN19039-059	87	88	63.4	-0.01		0.19	10.4	0.01	0.06	3.2	11	35.3	13		15	3.1
	JN19039-060	88	89	47.9	-0.01		0.13	11.1	0.03	0.09	3.09	13	15.45	13.7		46	3.4
	JN19039-061	89	90	48.1	-0.01		0.64	10.7	0.01	0.05	2.96	11	22.8	13.65		17	2.8
	JN19039-062	90	91	64.7	-0.01		0.14	10.8	0	0.08	2.99	8	18.35	14.15		19	2.6
	JN19039-063	91	92	41.5	-0.01		0.42	11.3	0.03	0.08	3.15	15	10.55	14.7		18	2.9
	JN19039-064	92	93	43.1	-0.01		0.11	11.1	0.03	0.07	3.39	16	5.02	14.15		19	3.2
	JN19039-065	93	94	26.2	-0.01		0.02	10.7	0.07	0.11	3.57	20	4.99	13.9		21	3.6
	JN19039-066	94	95	35.9	-0.01		0.03	10.2	0.05	0.09	3.14	18	8.15	14		23	4
	JN19039-067	95	96	40.5	-0.01		0.58	10.3	0.03	0.09	2.94	16	27.7	13.9		20	4
	JN19039-068	96	97	47.5	-0.01		0.69	11.4	0	0.12	3.54	7	153	13		82	3.7
	JN19039-069	97	98	62.3	-0.01		0.91	9	0	0.09	3.07	5	19.3	12.5		50	3.4
	JN19039-070	98	99	53.3	-0.01		0.88	8.6	0.01	0.1	3.08	7	73.6	11		16	3.1
	JN19039-071	99	99.62	53.3	-0.01		1.63	7.3	0	0.11	2.44	3	28.5	9.98		122	3
	JN19039-072	99.62	101	66.1	-0.01		0.25	9.5	0	0.07	3.13	8	11.15	12.8		18	3
	JN19039-073	101	102	48.1	-0.01		0.33	10	0.02	0.09	3.74	10	13	13.1		18	3.7
JN19040	**JN19040-001**	**0**	**1.52**	**18.3**	**-0.01**		**0.04**	**10.5**	**0.02**	**0.09**	**0.88**	**17**	**0.52**	**4.19**		**72**	**2.4**
	JN19040-002	1.52	3.05	11.9	-0.01		0.04	16.4	0	0.18	1.86	10	0.45	5.62		144	4.5
	JN19040-003	3.05	4.57	4.6	-0.01		0.01	11.3	0	0.16	1.26	10	0.77	3.61		211	4.2

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Sr (ppm)	Ta (ppm)	Tb (ppm)	Te (ppm)	Th (ppm)	Ti (pct)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Yb (ppm)	Zn (ppm)	Zr (ppm)
	JN19040-004	4.57	6.1	7.1	-0.01		0.01	13.7	0	0.13	1.63	7	0.74	3.53		113	3.1
	JN19040-005	6.1	7.62	5.3	-0.01		0.01	10.8	0	0.16	1	7	2.27	2.5		80	2.7
	JN19040-006	7.62	9.14	4.9	-0.01		0.01	9.9	0	0.14	0.97	6	1.6	3.23		65	3.1
	JN19040-007	9.14	10.67	9.8	-0.01		0.02	15.4	0	0.19	1.42	8	0.7	4.11		122	3.7
	JN19040-008	10.67	12.19	6.6	-0.01		0.01	13.6	0	0.26	1.04	8	0.85	4.7		47	4
	JN19040-009	12.19	13.72	3.1	-0.01		0.02	7.5	0	0.17	0.73	9	0.92	5.93		36	3.4
	JN19040-010	13.72	15.24	2.4	-0.01		0.01	5.4	0	0.1	0.59	4	1	3.01		51	1.5
	JN19040-011	15.24	16.76	1.7	-0.01		0.01	4.1	0	0.47	0.57	4	0.46	2.87		18	2
	JN19040-012	16.76	18.29	1.3	-0.01		0.01	4.9	0	0.84	0.41	3	0.76	1.56		9	1.8
	JN19040-013	18.29	19.81	1.4	-0.01		-0.01	4.7	0	0.13	0.36	2	0.45	1.25		11	1.2
	JN19040-014	19.81	21.34	1.8	-0.01		-0.01	4.9	0	0.09	0.43	3	0.93	1.57		16	1.6
	JN19040-015	21.34	22.86	1.9	-0.01		0.01	3.4	0	0.12	0.47	5	0.44	2.44		14	1.9
	JN19040-016	22.86	24.38	2.4	-0.01		-0.01	6	0	0.11	0.61	4	0.53	2.3		13	2.2
	JN19040-017	24.38	25.91	6	-0.01		0.01	8.1	0	0.21	0.94	4	0.37	3.01		16	3.5
	JN19040-018	25.91	27.43	1.7	-0.01		-0.01	7.2	0	0.2	0.58	4	0.68	2.38		15	1.6
	JN19040-019	27.43	28.96	1.4	-0.01		0.01	5.6	0	0.36	0.42	7	0.38	3.38		11	1.4
	JN19040-020	28.96	30.48	13.3	-0.01		0.02	13.8	0	0.25	2.27	11	0.33	6.24		73	5
	JN19040-021	30.48	32	13.1	-0.01		0.02	15.2	0.01	0.19	1.88	22	-0.05	5.29		93	4.5
JN19041	**JN19041-001**	**0**	**1.52**	**15.9**	**-0.01**		**0.03**	**10.5**	**0.03**	**0.07**	**0.89**	**19**	**0.17**	**4.2**		**90**	**4.3**
	JN19041-002	1.52	3.05	11.5	-0.01		0.02	11.4	0.01	0.09	0.99	11	0.51	4.06		110	2.7
	JN19041-003	3.05	4.57	12.9	-0.01		0.01	10.3	0	0.1	0.97	3	0.34	3.5		112	2.7
	JN19041-004	4.57	6.1	14.6	-0.01		0.02	13.2	0	0.11	1.52	6	0.41	5.25		130	3.2
	JN19041-005	6.1	7.62	15.4	-0.01		0.02	15.1	0	0.16	1.93	5	0.42	6.24		112	3
	JN19041-006	7.62	9.14	9.3	-0.01		0.01	15.8	0	0.2	1.58	11	0.92	5.49		97	4.5
	JN19041-007	9.14	10.67	9.5	-0.01		0.01	15.1	0	0.2	1.7	9	0.51	5.26		93	3.7
	JN19041-008	10.67	12.19	12.8	-0.01		0.01	14.3	0	0.09	1.36	4	0.33	4.65		223	3.4
	JN19041-009	12.19	13.72	8.7	-0.01		0.01	15.1	0	0.13	1.49	8	0.41	5.15		97	4.1
	JN19041-010	13.72	15.24	9.2	-0.01		0.01	16.4	0	0.13	1.65	9	0.88	5.59		122	4.6
	JN19041-011	15.24	16.76	4.4	-0.01		0.01	9.8	0	0.17	0.82	4	0.92	2.91		62	2.8
	JN19041-012	16.76	18.29	2.8	-0.01		-0.01	7.9	0	0.12	0.54	2	0.48	2.21		30	1.9
	JN19041-013	18.29	19.81	2.6	-0.01		0.01	6.5	0	0.11	0.47	2	0.57	1.86		40	1.6
	JN19041-014	19.81	21.34	6.3	-0.01		0.01	8.1	0	0.23	0.69	3	0.97	3.89		37	2.6
	JN19041-015	21.34	22.86	3.4	-0.01		-0.01	6.1	0	0.13	0.42	3	1.01	2.56		23	2
	JN19041-016	22.86	24.38	2.8	-0.01		0.01	5.7	0	0.31	0.38	3	0.87	2		25	1.8
	JN19041-017	24.38	25.91	2.6	-0.01		-0.01	5.6	0	0.61	0.52	3	1.03	2.04		23	1.9
	JN19041-018	25.91	27.43	2.4	-0.01		0.01	7.4	0	0.32	0.62	2	0.72	1.96		21	2.1
	JN19041-019	27.43	28.96	2.4	-0.01		-0.01	8.3	0	0.1	0.52	2	0.33	2.01		49	2.5
	JN19041-020	28.96	30.48	3.2	-0.01		0.01	6.8	0	0.17	0.54	2	0.75	2.37		605	2
	JN19041-021	30.48	32	3.3	-0.01		-0.01	8.2	0	0.14	0.51	4	0.46	2.68		72	2
	JN19041-022	32	33.53	4	-0.01		-0.01	5.6	0	0.2	0.41	3	0.33	3		26	1.6
	JN19041-023	33.53	35.05	4.8	-0.01		-0.01	7.2	0	0.17	0.57	3	0.25	3.19		47	2.1
	JN19041-024	35.05	36.58	5.3	-0.01		0.01	8.6	0	0.17	0.72	5	0.18	3.72		44	2.8
	JN19041-025	36.58	38.1	8.7	-0.01		0.01	11.5	0	0.16	1.07	7	0.22	5.75		56	4.3
	JN19041-026	38.1	39.62														
JN19042	**JN19042-001**	**0**	**1.52**	**16.7**	**-0.01**		**0.02**	**11.8**	**0.03**	**0.08**	**0.93**	**18**	**0.12**	**4.17**		**87**	**3.6**
	JN19042-002	1.52	3.05	12.1	-0.01		0.04	9.6	0.01	0.09	0.92	16	0.23	3.7		73	1.2
	JN19042-003	3.05	4.57	47	-0.01		0.02	11.8	0.05	0.11	1.05	20	0.74	4.55		88	6.3
	JN19042-004	4.57	6.1	10.2	-0.01		0.02	9	0	0.07	0.71	4	0.36	2.85		150	2
	JN19042-005	6.1	7.62	10.5	-0.01		0.02	7.7	0	0.05	0.63	3	0.6	2.34		95	2.8
	JN19042-006	7.62	9.14	10.7	-0.01		0.01	8.7	0	0.07	0.69	2	0.53	2.59		79	3.4
	JN19042-007	9.14	10.67	7.6	-0.01		0.01	10	0	0.07	0.92	2	0.39	2.78		83	3.2
	JN19042-008	10.67	12.19	9.7	-0.01		0.02	13.3	0	0.11	1.28	3	0.51	3.12		106	3.6
	JN19042-009	12.19	13.72	17.4	-0.01		0.01	17.7	0	0.17	2.01	6	0.28	5.63		94	4.8
	JN19042-010	13.72	15.24	14.6	-0.01		0.01	16.4	0	0.12	1.78	5	0.24	4.52		68	4.5
	JN19042-011	15.24	16.76	13.7	-0.01		0.01	15.6	0	0.16	1.76	16	0.32	4.98		132	6.2
	JN19042-012	16.76	18.29	11.2	-0.01		0.01	9.9	0	0.1	0.94	4	0.27	3.07		76	3.4
	JN19042-013	18.29	19.81	8.1	-0.01		0.01	13.6	0	0.25	1.29	15	0.34	5.66		146	4.4
	JN19042-014	19.81	21.34	14.9	-0.01		0.01	14.4	0	0.13	1.62	6	0.32	4.68		388	4.4
	JN19042-015	21.34	22.86	13.3	-0.01		0.01	14	0	0.1	1.31	4	0.33	3.54		509	3.5
	JN19042-016	22.86	24.38	19.3	-0.01		-0.01	15.2	0	0.14	1.47	5	0.33	5.07		228	3.9
	JN19042-017	24.38	25.91	18.3	-0.01		0.01	16.1	0	0.14	1.56	4	0.28	4.74		271	3.7
	JN19042-018	25.91	27.43	24.2	-0.01		-0.01	16.1	0	0.15	1.58	4	0.31	5.91		263	4.1
	JN19042-019	27.43	28.96	13.6	-0.01		-0.01	14.9	0	0.16	1.5	4	0.31	5.54		812	4.2

APPENDIX 4: Assay

Hole ID	Sample	From (m)	To (m)	Sr (ppm)	Ta (ppm)	Tb (ppm)	Te (ppm)	Th (ppm)	Ti (pct)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Yb (ppm)	Zn (ppm)	Zr (ppm)
	JN19042-020	28.96	30.48	6.4	-0.01		0.03	11.2	0	0.19	1.1	3	0.43	4.44		1590	3.3
	JN19042-021	30.48	32	10	-0.01		0.02	12.2	0	0.12	1.23	5	0.38	4.52		729	3.3
	JN19042-022	32	33.53	6.6	-0.01		-0.01	7.1	0	0.08	0.68	3	0.71	2.39		340	2.2
	JN19042-023	33.53	35.05	6	-0.01		-0.01	8.3	0	0.07	0.72	3	0.74	2.32		365	1.9
	JN19042-024	35.05	36.58	7.3	-0.01		0.02	6.5	0	0.07	0.56	3	0.42	1.97		264	2
	JN19042-025	36.58	38.1	4.5	-0.01		0.01	5.7	0	0.17	0.49	3	0.41	2.07		170	2.1
	JN19042-026	38.1	39.62	6.5	-0.01		-0.01	10.9	0	0.21	1.09	5	0.38	3.91		258	3.1
JN19043	**JN19043-001**	**0**	**1.52**	**17.3**	**-0.01**		**0.03**	**10.7**	**0.02**	**0.09**	**0.93**	**18**	**0.24**	**4.28**		**87**	**2.2**
	JN19043-002	1.52	3.05	25	-0.01		0.02	11.2	0.03	0.1	0.93	19	0.23	4.75		89	6.2
	JN19043-003	3.05	4.57	23.8	-0.01		0.03	11.4	0.03	0.1	0.94	20	0.23	4.62		92	6.7
	JN19043-004	4.57	6.1	18.3	-0.01		0.03	11.4	0.02	0.1	0.98	20	0.24	6.09		146	5.4
	JN19043-005	6.1	7.62	18.4	-0.01		0.03	13	0.02	0.19	1.43	21	0.45	6.26		122	5.5
	JN19043-006	7.62	9.14	15.1	-0.01		0.02	17.4	0	0.27	1.83	12	0.39	7.22		64	6.5
	JN19043-007	9.14	10.67	7.2	-0.01		0.03	12.9	0	0.23	1.23	5	0.71	4.89		33	4.5
	JN19043-008	10.67	12.19	5.5	-0.01		0.02	10.8	0	0.15	0.93	4	1.88	3.4		67	3.6
	JN19043-009	12.19	13.72	12	-0.01		0.05	8.1	0	0.17	0.66	4	0.63	2.81		49	2.9
	JN19043-010	13.72	15.24	8.9	-0.01		0.01	10.3	0	0.18	1.01	10	0.35	4.19		35	4
	JN19043-011	15.24	16.76	12.6	-0.01		0.01	8.4	0	0.16	0.83	7	0.23	3.78		28	3.2
	JN19043-012	16.76	18.29	7.4	-0.01		0.01	3.9	0	0.08	0.45	3	0.22	1.71		24	1.3
	JN19043-013	18.29	19.05	4	-0.01		0.01	5	0	0.08	0.52	2	0.16	1.65		26	1.2

APPENDIX 4: Qaqc

Sample	Project	QAQC Class	Purpose	Ref Material	Parent Sample	Shipment	Bucket	Source	Previous Sample	Ref Table	Status	Notes	Type	Class	Ag (ppm)	Al (pct)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Br (ppm)	C (pct)	Ca (pct)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)
JN19020-027D	JN	resplit	assay	saw	JN19020-027	JN19-003	5		JN19020-027	ddh	complete		core	duplicate	0.1	0.5	6.5	-5	-10	-10	0.3	0.22			22.3	0.13	34.9	7.3	7
JN19020-030S	JN	standard	assay	PM933		JN19-003	5		JN19020-030	ddh	complete		pulp	standard	116	1.93	12	9770	-10	190	0.14	0.1			1.06	0.19	18.55	9.9	23
JN19020-031B	JN	blank	assay	marble aggregate		JN19-027	1		JN19020-031	ddh	complete	JN19-003 (bucket 6)	core	check	0.004	0.02	1	-5	-20	9.9	-0.1	0.1			32.35	0.02	0.8	-0.1	1.1
	JN	blank	assay	marble aggregate		JN19-027	1		JN19020-031	ddh	complete	JN19-003 (bucket 6)	rock	blank	-0.01	0.03	0.4	6	-10	10	-0.05	0.1			25	0.01	0.91	0.4	-1
JN19020-036B	JN	blank	assay	marble aggregate		JN19-003	7		JN19020-036	ddh	complete		rock	blank	0.02	0.02	0.7	-5	-10	10	-0.05	0.48			25	0.01	0.81	0.5	-1
JN19020-060S	JN	standard	assay	W108		JN19-003	11		JN19020-077	ddh	complete		pulp	standard	0.1	1.7	1.2	5	-10	140	6.81	1.27			1.94	0.08	13.15	7.3	8
JN19020-062D	JN	resplit	assay		JN19020-020	JN19-003	12		JN19020-061	ddh	complete		core	duplicate	0.61	0.71	48.6	9	10	70	0.58	1.47			0.75	0.52	21.9	12.3	6
JN19020-069B	JN	blank	assay	marble aggregate		JN19-003	13		JN19020-069	ddh	complete		rock	blank	0.01	0.02	0.5	-5	-10	20	-0.05	0.04			25	0.01	0.93	0.8	-1
JN19020-073D	JN	resplit	assay		JN19020-073	JN19-003	14		JN19020-073	ddh	complete		core	duplicate	0.12	0.24	7	9	-10	10	0.17	4.73			0.16	0.01	29.5	2.1	15
JN19020-079S	JN	standard	assay	CU195	JN19020-079	JN19-003	15		JN19020-078	ddh	complete		pulp	standard	14.9	1.08	463	503	10	150	0.17	14.05			2.81	0.47	13.45	20	32
JN19021-003D	JN	duplicate	assay	saw	JN19021-003	JN19-007	1		JN19021-003	ddh	complete		core	duplicate	0.9	0.19	10000	91	-10	10	0.09	2.36			0.05	1.57	12.25	49.4	14
JN19021-020D	JN	resplit	assay		JN19021-020	JN19-007	4		JN19021-020	ddh	complete		core	duplicate	0.87	0.33	69.7	579	-10	10	0.15	28.2			0.07	0.09	32.7	14.7	7
JN19021-023B	JN	blank	assay	marble aggregate		JN19-007	5		JN19021-023	ddh	complete		rock	blank	-0.01	0.02	0.2	-5	-10	20	-0.05	-0.01			25	0.01	0.8	0.7	1
JN19021-026S	JN	standard	assay	CU195		JN19-027	1		JN19020-049	ddh	complete	JN19-007 (bucket 6)	pulp	check	14.251	1.14	474.8	460	-20	154.8	0.4	16.73			2.97	0.58	13.9	21.4	34.4
	JN	standard	assay	CU195		JN19-027	1		JN19020-049	ddh	complete	JN19-007 (bucket 6)	pulp	standard	13.25	1.03	457	523	10	150	0.16	12.95			2.8	0.42	13.55	21.2	31
JN19021-039S	JN	standard	assay	PM933		JN19-007	8		JN19021-039	ddh	complete		pulp	standard	122	1.74	10.5	9790	-10	180	0.11	0.07			0.95	0.16	15.45	9.1	23
JN19021-040B	JN	blank	assay	marble aggregate		JN19-007	9		JN19021-040	ddh	complete		rock	blank	0.01	0.02	0.3	-5	-10	10	-0.05	0.09			25	0.01	0.83	0.7	1
JN19021-058D	JN	duplicate	assay	saw	JN19021-058	JN19-007	12		JN19021-058	ddh	complete		core	duplicate	0.29	0.66	6.2	20	-10	40	0.77	36.4			0.44	0.05	26.9	7.2	18
JN19021-069D	JN	duplicate	assay	saw	JN19021-069	JN19-007	15		JN19021-069	ddh	complete		core	duplicate	0.02	0.6	0.8	-5	-10	10	0.21	0.04			0.71	0.04	28.4	1.9	22
JN19021-070B	JN	blank	assay	marble aggregate		JN19-007	16		JN19021-070	ddh	complete		rock	blank	-0.01	0.03	-0.1	-5	-10	10	-0.05	0.01			25	0.01	0.84	0.8	1
JN19021-072S	JN	standard	assay	W108		JN19-007	16		JN19021-072	ddh	complete		pulp	standard	0.1	1.69	0.8	-5	-10	140	6.45	1.38			1.92	0.12	13.15	7.4	8
JN19022-010D	JN	duplicate	assay		JN19022-010	JN19-004	2		JN19022-003	ddh	complete		core	duplicate	0.03	0.19	37.9	8	-10	10	0.17	0.1			0.08	0.01	25.2	3.9	8
JN19022-015B	JN	blank	assay	marble aggregate		JN19-004	4		JN19022-015	ddh	complete		rock	blank	-0.01	0.02	0.7	-5	-10	10	-0.05	0.02			25	0.01	0.98	0.3	1
JN19023-010D	JN	duplicate	assay		JN19023-010	JN19-005	2		JN19023-010	ddh	complete		core	duplicate	0.03	0.18	268	-5	-10	10	0.19	0.22			0.09	0.01	36.6	2.8	8
JN19023-018S	JN	standard	assay	PM933		JN19-005	4		JN19023-018	ddh	complete		pulp	standard	125	1.93	11.2	9660	-10	190	0.14	0.08			1.03	0.19	18.2	9.8	23
JN19024-010D	JN	duplicate	assay		JN19024-010	JN19-006	2		JN19024-010	ddh	complete		core	duplicate	0.26	0.27	75.7	5	-10	20	0.38	0.5			0.22	0.01	27.4	7.5	12
JN19024-018B	JN	blank	assay	marble aggregate		JN19-006	4		JN19024-018	ddh	complete		rock	blank	-0.01	0.01	0.3	-5	10	10	-0.05	0.01			25	0.01	0.9	0.3	1
JN19025-010D	JN	duplicate	assay	saw	JN19025-010	JN19-008	3		JN19025-010	ddh	complete		core	duplicate	0.04	0.16	23.9	8	-10	10	0.17	0.08			0.07	0.01	23.4	1.6	5
JN19025-019S	JN	standard	assay	PM469		JN19-008	5		JN19025-020	ddh	complete		pulp	standard	0.4	1.3	1115	1035	20	70	0.14	20.6			3.56	0.57	13.15	41.3	20
JN19026-010D	JN	duplicate	assay	saw	JN19026-010	JN19-009	2		JN19026-010	ddh	complete		core	duplicate	0.01	0.15	14.3	-5	-10	10	0.09	0.04			0.08	0.01	22	2.6	9
JN19026-019B	JN	blank	assay	marble aggregate		JN19-009	4		JN19026-019	ddh	complete		rock	blank	-0.01	0.03	0.4	-5	-10	10	-0.05	0.01			25	0.01	0.98	0.7	-1
JN19027-010D	JN	duplicate	assay	saw	JN19027-010	JN19-010	2		JN19027-010	ddh	complete		core	duplicate	0.26	0.15	2060	42	-10	10	0.14	2.53			0.06	0.02	24.4	47.3	7
JN19027-019S	JN	standard	assay	CU195		JN19-010	4		JN19027-019	ddh	complete		pulp	standard	15.4	1.18	474	527	10	150	0.18	14.4			2.92	0.42	15	22	33
JN19028-010D	JN	duplicate	assay	saw	JN19028-010	JN19-011	2		JN19028-010	ddh	complete		core	duplicate	0.03	0.1	1105	73	-10	10	0.06	0.32			0.03	0.01	12.45	2.2	6
JN19028-019B	JN	blank	assay	marble aggregate		JN19-011	5		JN19028-019	ddh	complete		rock	blank	-0.01	0.02	0.1	-5	-10	290	-0.05	0.01			25	0.01	0.97	0.8	-1
JN19029-010D	JN	duplicate	assay	saw	JN19029-010	JN19-012	2		JN19029-010	ddh	complete		core	duplicate	0.08	0.56	42.7	154	-10	30	0.36	0.75			0.28	0.02	29	18.7	18
JN19029-021S	JN	standard	assay	PM469		JN19-012	4		JN19029-021	ddh	complete		pulp	standard	0.4	1.34	1100	1010	20	70	0.15	20.7			3.65	0.59	14	40.4	21
JN19030-010D	JN	duplicate	assay	saw	JN19030-010	JN19-013	2		JN19030-009	ddh	complete		core	duplicate	0.03	2.67	9.4	-5	-10	50	0.42	0.33			0.78	0.07	42.1	14.7	33
JN19030-020B	JN	blank	assay	marble aggregate		JN19-013	4		JN19030-020	ddh	complete		rock	blank	-0.01	0.03	0.2	-5	-10	10	-0.05	0.01			25	0.01	1.1	0.4	1
JN19031-005S	JN	standard	assay	CU193		JN19-025	2		JN19031-005	ddh	complete		pulp	standard	3.08	1.11	509	483	10	150	0.18	10.35			2.4	0.37	14.5	24.1	32
JN19031-012D	JN	duplicate	assay	saw	JN19031-012	JN19-025	4		JN19031-012	ddh	complete		core	duplicate	0.49	0.28	2860	16	-10	30	0.9	4.37			0.76	0.32	3.82	17.4	8
JN19031-014B	JN	blank	assay	marble aggregate		JN19-025	5		JN19031-014	ddh	complete		rock	blank	-0.01	0.02	0.4	-5	-10	10	-0.05	0.01			25	0.01	0.8	0.2	1
JN19031-036D	JN	duplicate	assay	saw	JN19031-036	JN19-025	12		JN19031-036	ddh	complete		core	duplicate	0.28	0.79	70.8	-5	-10	20	0.24	0.53			0.07	0.28	34.8	2.3	22
JN19031-040B	JN	blank	assay	marble aggregate		JN19-025	14		JN19031-040	ddh	complete		rock	blank	-0.01	0.01	5.5	-5	-10	10	-0.05	0.16			25	0.01	0.9	0.2	1
JN19031-045S	JN	standard	assay	CU195		JN19-025	15		JN19031-088	ddh	complete		pulp	standard	13.8	1.07	464	513	10	150	0.15	13.5			2.82	0.4	13.6	20.1	32
JN19031-073S	JN	standard	assay	CU195		JN19-025	24		JN19031-073	ddh	complete		pulp	standard	13.25	1.03	442	537	10	140	0.14	13.8			2.7	0.43	13.15	20.7	31
JN19031-080B	JN	blank	assay	marble aggregate		JN19-025	27		JN19031-088	ddh	complete		rock	blank	-0.01	0.02	-0.1	-5	-10	20	-0.05	0.01			25	0.01	0.95	0.7	-1
JN19032-010D	JN	duplicate	assay	saw	JN19032-010	JN19-014	2		JN19032-010	ddh	complete		core	duplicate	0.04	2.2	6.1	-5	-10	40	0.41	0.56			0.67	0.05	35.2	10.2	29
JN19032-020S	JN	standard	assay	CU195		JN19-014	4		JN19032-020	ddh	complete		pulp	standard	14	1.14	471	515	10	150	0.16	13.9			2.95	0.44	14	20.1	33

APPENDIX 4: Qaqc

Sample	Project	QAQC Class	Purpose	Ref Material	Parent Sample	Shipment	Bucket	Source	Previous Sample	Ref Table	Status	Notes	Type	Class	Ag (ppm)	Al (pct)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Br (ppm)	C (pct)	Ca (pct)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)
JN19033-010D	JN	duplicate	assay	saw	JN19033-010	JN19-015	3		JN19033-010	ddh	complete		core	duplicate	0.17	2.26	41.7	85	-10	50	0.5	0.5			0.54	0.12	27.4	17.9	29
JN19033-020B	JN	blank	assay	marble aggregate		JN19-015	5		JN19033-020	ddh	complete		rock	blank	-0.01	0.03	-0.1	-5	-10	10	-0.05	0.01			25	0.01	1.07	0.8	1
JN19034-010D	JN	duplicate	assay	saw	JN19034-010	JN19-016	3		JN19034-010	ddh	complete		core	duplicate	0.14	1.51	79.9	46	-10	40	0.52	0.45			0.63	0.08	31.6	17.8	22
JN19035-010D	JN	duplicate	assay	saw	JN19035-010	JN19-017	3		JN19035-010	ddh	complete		core	duplicate	0.09	1.99	29.3	5	-10	60	0.78	0.42			0.36	0.03	34	17.1	30
JN19035-020S	JN	standard	assay	CU195		JN19-017	6		JN19035-020	ddh	complete		pulp	standard	14.15	1.16	484	538	10	150	0.17	13.9			3.01	0.4	14	20.1	34
JN19036-010D	JN	duplicate	assay	saw	JN19036-010	JN19-018	3		JN19036-010	ddh	complete		core	duplicate	0.09	2.25	26	17	-10	50	0.56	0.47			0.16	0.04	42	16.2	27
JN19036-020B	JN	blank	assay	marble aggregate		JN19-018	6		JN19036-020	ddh	complete		rock	blank	-0.01	0.02	-0.1	-5	-10	10	-0.05	0.01			25	0.01	1.19	0.8	1
JN19038-010D	JN	duplicate	assay	saw	JN19038-010	JN19-020	3		JN19038-010	ddh	complete		core	duplicate	0.04	0.24	501	87	-10	10	0.16	0.13			0.42	0.03	20.9	4.3	8
JN19038-020S	JN	standard	assay	CU195		JN19-020	6		JN19038-020	ddh	complete		pulp	standard	13.85	1.09	462	569	10	150	0.15	13.35			2.83	0.44	13.6	20	32
JN19039-015S	JN	pulp repeat	assay		JN19039-015	JN19-026	5		JN19039-015	ddh	complete																		
JN19039-020S	JN	standard	assay	PM469		JN19-026	6		JN19039-020	ddh	complete		pulp	standard	0.44	1.45	1135	1050	-10	80	0.15	23.8			3.96	0.68	15	43.3	22
JN19039-027B	JN	blank	assay	marble aggregate		JN19-026	8		JN19039-027	ddh	complete		rock	blank	-0.01	0.02	0.3	-5	-10	10	-0.05	0.08			25	0.01	0.83	0.6	-1
JN19039-040B	JN	blank	assay	marble aggregate		JN19-026	12		JN19039-040	ddh	complete		rock	blank	-0.01	0.03	-0.1	-5	-10	40	-0.05	0.04			25	0.01	1.02	0.9	-1
JN19039-044D	JN	duplicate	assay	saw	JN19039-044	JN19-026	13		JN19039-044	ddh	complete		core	duplicate	0.04	0.22	0.5	15	-10	20	0.66	6.63			1.6	0.03	42.5	2.3	4
JN19039-052S	JN	standard	assay	W108		JN19-026	16		JN19039-052	ddh	complete		pulp	standard	0.09	1.67	0.7	-5	-10	140	6.39	1.25			1.98	0.11	12.4	7.8	8
JN19039-071D	JN	duplicate	assay	saw	JN19039-071	JN19-026	21		JN19039-071	ddh	complete		core	duplicate	7.99	0.26	1840	456	-10	30	0.65	270			1.02	1.21	27.2	2.7	5
JN19039-072B	JN	blank	assay	marble aggregate		JN19-026	21		JN19039-072	ddh	complete		rock	blank	0.01	0.02	1	-5	-10	20	-0.05	0.41			25	0.01	0.92	0.4	1
JN19039-073S	JN	standard	assay	CU195		JN19-026	21		JN19039-073	ddh	complete		pulp	standard	13.6	1.09	461	548	-10	150	0.15	14.1			2.82	0.44	13.95	21.2	32
JN19040-010D	JN	duplicate	assay	saw	JN19040-010	JN19-021	3		JN19040-010	ddh	complete		core	duplicate	0.11	0.2	113	8	-10	10	0.18	0.23			0.09	0.25	20.5	4.2	8
JN19040-020B	JN	blank	assay	marble aggregate		JN19-021	6		JN19040-021	ddh	complete		rock	blank	-0.01	0.02	0.2	-5	-10	10	-0.05	-0.01			25	0.01	0.95	0.6	-1
JN19041-010D	JN	duplicate	assay	saw	JN19041-010	JN19-022	3		JN19041-010	ddh	complete																		
JN19041-020S	JN	standard	assay	PM933		JN19-022	5		JN19041-026	ddh	complete		pulp	standard	128	1.8	10.9	9700	-10	180	0.12	0.08			0.96	0.17	15.85	8.4	23
JN19042-010D	JN	duplicate	assay	saw	JN19042-010	JN19-023	2		JN19042-010	ddh	complete		core	duplicate	0.2	0.41	37.6	-5	20	40	0.33	0.43			0.12	0.62	35.6	11.8	6
JN19042-020B	JN	blank	assay	marble aggregate		JN19-023	5		JN19042-026	ddh	complete		rock	blank	0.01	0.03	0.2	-5	-10	10	-0.05	0.02			25	0.03	0.97	0.8	-1
JN19043-010D	JN	duplicate	assay	saw	JN19043-010	JN19-024	3		JN19043-010	ddh	complete																		

APPENDIX 4: Qaqc

Sample	Project	QAQC Class	Purpose	Cs (ppm)	Cu (ppm)	Dy (ppm)	Er (ppm)	Eu (ppm)	Fe (pct)	Ga (ppm)	Gd (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	Ho (ppm)	In (ppm)	K (pct)	La (ppm)	Li (ppm)	Mg (pct)	Mn (ppm)	Mo (ppm)	Na (pct)	Nb (ppm)	Nd (ppm)	Ni (ppm)	P (pct)	Pb (ppm)	Pd (ppb)	Pr (ppm)	Pt (ppb)
JN19020-027D	JN	resplit	assay	0.6	27.8				1.68	1.63		0.12	0.21	10		0.035	0.01	18.3	8.2	0.08	115	0.53	0.01	-0.05		21.4	0.067	12.2			
JN19020-030S	JN	standard	assay	0.85	109				3.96	6.17		0.09	0.1	320		0.017	0.36	8.4	6.9	0.77	641	5.93	0.24	0.24		16	0.078	11.5			
JN19020-031B	JN	blank	assay	-0.02	2.61				0.08	-0.1		-0.1	-0.02	-5		-0.02	0.03	1	0.4	0.51	72	0.02	0.002	-0.02		-0.1	0.006	0.33	-10		-2
	JN	blank	assay	-0.05	4				0.06	0.1		0.05	-0.02	-10		0.008	0.01	1.1	0.8	0.46	64	-0.05	-0.01	-0.05		0.7	0.007	0.2			
JN19020-036B	JN	blank	assay	-0.05	7.2				0.09	-0.05		-0.05	-0.02	-10		0.013	0.01	1.1	0.8	0.52	68	-0.05	0.01	0.06		0.2	0.007	0.2			
JN19020-060S	JN	standard	assay	0.3	64.1				2.42	5.65		0.25	0.1	440		0.017	0.22	5.9	7.6	0.65	509	443	0.19	1.24		4.6	0.054	3.4			
JN19020-062D	JN	resplit	assay	2.73	55.5				3.2	1.91		-0.05	0.09	-10		0.05	0.42	12.1	12.1	0.5	662	3.91	0.01	-0.05		39.1	0.036	37.7			
JN19020-069B	JN	blank	assay	-0.05	1.1				0.06	0.07		-0.05	-0.02	-10		-0.005	0.01	1.1	0.6	0.52	79	-0.05	-0.01	-0.05		0.8	0.008	0.3			
JN19020-073D	JN	resplit	assay	0.66	10.4				0.96	1.02		-0.05	0.05	30		0.018	0.05	14.2	2.1	0.07	230	2.16	-0.01	-0.05		5.6	0.008	5			
JN19020-079S	JN	standard	assay	0.61	7910				3.17	3.62		0.05	0.14	340		0.092	0.17	7.7	5.5	0.35	597	547	0.1	0.26		23.4	0.061	24.7			
JN19021-003D	JN	duplicate	assay	0.84	20.2				2.28	0.56		-0.05	0.03	30		0.063	0.11	5.9	1.3	0.03	184	0.83	0.01	-0.05		8.3	0.017	239			
JN19021-020D	JN	resplit	assay	0.97	779				13.5	1.67		0.1	0.07	350		0.229	0.08	16.9	3.9	0.03	79	0.7	0.01	-0.05		22.8	0.019	17.6			
JN19021-023B	JN	blank	assay	-0.05	1.7				0.06	0.07		-0.05	-0.02	-10		-0.005	0.01	1	0.6	0.64	60	-0.05	0.01	-0.05		0.3	0.009	0.4			
JN19021-026S	JN	standard	assay	0.66	7799.26				3.29	3.7		0.2	0.11	314		0.12	0.2	8.3	5.7	0.36	653	614.09	0.109	0.09		26.1	0.063	28.84	-10		3
	JN	standard	assay	0.62	7750				3.06	3.56		0.05	0.14	300		0.093	0.17	7.8	5.7	0.34	575	533	0.1	0.24		25.4	0.058	25.1			
JN19021-039S	JN	standard	assay	0.8	102				3.75	5.57		0.08	0.08	290		0.014	0.35	6.9	7.3	0.74	604	5.6	0.2	0.19		16.1	0.075	12			
JN19021-040B	JN	blank	assay	-0.05	5.4				0.13	0.09		-0.05	-0.02	-10		0.007	0.01	1	0.7	0.57	80	-0.05	0.01	0.08		0.6	0.006	0.5			
JN19021-058D	JN	duplicate	assay	1.88	24.3				3.2	2.44		0.07	0.08	-10		0.01	0.23	14.5	9	0.3	362	0.77	-0.01	-0.05		26.6	0.054	19			
JN19021-069D	JN	duplicate	assay	2.4	5.6				0.91	2.3		0.06	0.03	-10		0.006	0.1	13.5	14.2	0.19	96	0.81	0.06	0.09		6.7	0.007	1.9			
JN19021-070B	JN	blank	assay	-0.05	1.6				0.09	0.11		0.05	-0.02	-10		-0.005	0.01	1.1	0.7	0.52	63	-0.05	-0.01	-0.05		0.4	0.006	0.2			
JN19021-072S	JN	standard	assay	0.3	61.3				2.42	5.48		0.25	0.11	70		0.016	0.22	6	7.4	0.65	497	456	0.18	1.07		4.5	0.052	3.7			
JN19022-010D	JN	duplicate	assay	0.67	8.4				2.16	0.63		-0.05	0.06	-10		0.012	0.06	12	1.5	0.08	536	0.51	-0.01	-0.05		10.5	0.006	2.2			
JN19022-015B	JN	blank	assay	-0.05	2.9				0.07	0.08		-0.05	-0.02	-10		0.006	0.01	1.2	0.6	0.66	87	0.06	-0.01	-0.05		4.8	0.007	0.4			
JN19023-010D	JN	duplicate	assay	0.65	8.2				1.21	0.69		0.05	0.06	-10		0.011	0.07	16.9	1.3	0.07	177	0.58	0.01	-0.05		6.3	0.009	3.3			
JN19023-018S	JN	standard	assay	0.89	110				4	6.35		0.12	0.12	340		0.015	0.37	7.6	7.7	0.77	640	6.37	0.23	0.22		17.5	0.078	12.6			
JN19024-010D	JN	duplicate	assay	0.76	48.1				3.05	1.09		-0.05	0.07	10		0.025	0.1	13.4	2.8	0.19	523	0.43	0.01	-0.05		28.1	0.02	10			
JN19024-018B	JN	blank	assay	-0.05	3.1				0.06	0.05		-0.05	-0.02	-10		0.006	0.01	1.1	0.5	0.8	83	0.07	-0.01	-0.05		4.6	0.008	0.3			
JN19025-010D	JN	duplicate	assay	0.8	9				1.24	0.46		-0.05	0.05	-10		0.01	0.06	11	1.2	0.06	160	0.41	0.01	-0.05		7.5	0.006	2			
JN19025-019S	JN	standard	assay	0.62	123.5				2.89	3.74		0.08	0.15	10		0.091	0.13	8.1	7.8	0.42	621	5.34	0.12	0.23		18.5	0.083	12.7			
JN19026-010D	JN	duplicate	assay	0.45	4.1				1.29	0.61		-0.05	0.05	-10		0.008	0.05	10.7	1.5	0.1	161	0.55	0.02	-0.05		8.5	0.007	1.2			
JN19026-019B	JN	blank	assay	-0.05	4.2				0.08	0.13		-0.05	0.02	-10		-0.005	0.01	1.1	0.7	0.7	80	-0.05	0.01	0.08		0.4	0.009	0.5			
JN19027-010D	JN	duplicate	assay	0.65	11.9				1.18	0.59		-0.05	0.06	-10		0.01	0.05	11.4	1.7	0.04	159	0.38	0.02	-0.05		8.4	0.006	17.6			
JN19027-019S	JN	standard	assay	0.66	8090				3.26	3.87		0.05	0.14	310		0.104	0.18	8.7	5.5	0.35	622	563	0.11	0.27		26.7	0.061	28.7			
JN19028-010D	JN	duplicate	assay	0.4	11.5				0.88	0.37		-0.05	0.04	-10		0.005	0.04	6.1	0.6	0.01	82	0.46	0.01	-0.05		4.8	0.006	1.9			
JN19028-019B	JN	blank	assay	-0.05	8.6				0.07	0.07		-0.05	-0.02	-10		-0.005	-0.01	1.1	0.5	0.76	95	-0.05	0.01	-0.05		1.7	0.007	0.3			
JN19029-010D	JN	duplicate	assay	1.33	36.7				3.51	2.02		0.05	0.09	-10		0.014	0.14	16.3	13.4	0.48	259	0.69	0.01	-0.05		42.7	0.033	9.6			
JN19029-021S	JN	standard	assay	0.67	126.5				2.97	3.88		0.09	0.15	10		0.089	0.13	8.8	7.7	0.43	625	6.06	0.13	0.23		19.3	0.085	14.1			
JN19030-010D	JN	duplicate	assay	1.23	37.9				4.51	7.11		0.07	0.13	-10		0.026	0.2	24.3	90.4	1.17	529	0.35	0.02	-0.05		43	0.142	6.4			
JN19030-020B	JN	blank	assay	-0.05	1.6				0.09	0.1		-0.05	-0.02	-10		-0.005	0.01	1.2	0.7	0.8	88	-0.05	-0.01	-0.05		0.3	0.007	0.4			
JN19031-005S	JN	standard	assay	0.68	5230				3.22	3.62		-0.05	0.15	150		0.081	0.18	8.4	5.9	0.4	552	462	0.11	0.17		26.4	0.059	10.6			
JN19031-012D	JN	duplicate	assay	1.54	42.6				0.88	1		-0.05	0.31	10		0.096	0.13	1.5	1.2	0.01	77	0.48	0.07	0.21		4.3	0.019	26.4			
JN19031-014B	JN	blank	assay	-0.05	0.4				0.05	0.07		-0.05	-0.02	-10		-0.005	0.01	1.1	0.5	0.54	62	-0.05	0.01	-0.05		-0.2	0.008	-0.2			
JN19031-036D	JN	duplicate	assay	1.89	79.4				1.43	3.23		-0.05	0.14	-10		0.158	0.16	17.1	18.1	0.34	180	0.22	0.04	-0.05		8.4	0.014	8.4			
JN19031-040B	JN	blank	assay	-0.05	-0.2				0.06	0.06		-0.05	-0.02	-10		-0.005	-0.01	1.1	0.6	0.78	88	-0.05	0.01	-0.05		-0.2	0.006	-0.2			
JN19031-045S	JN	standard	assay	0.62	7810				3.14	3.37		0.05	0.12	330		0.088	0.17	7.6	5.1	0.34	593	547	0.11	0.22		24.6	0.058	25.4			
JN19031-073S	JN	standard	assay	0.61	7410				2.99	3.42		-0.05	0.14	320		0.094	0.17	7.6	5.1	0.33	572	519	0.1	0.23		23.7	0.055	24.5			
JN19031-080B	JN	blank	assay	-0.05	2.1				0.07	0.09		0.06	-0.02	-10		-0.005	0.01	1.1	0.5	0.73	87	-0.05	0.01	0.05		0.2	0.007	0.6			
JN19032-010D	JN	duplicate	assay	1.35	40.8				3.96	6.28		0.05	0.11	-10		0.021	0.17	21.4	78.2	1.06	417	0.21	0.01	-0.05		37.7	0.153	5.2			
JN19032-020S	JN	standard	assay	0.64	8100				3.29	3.85		-0.05	0.14	290		0.092	0.18	8.1	5.7	0.36	618	561	0.11	0.31		23.8	0.062	25.6			

APPENDIX 4: Qaqc

Sample	Project	QAQC Class	Purpose	Cs (ppm)	Cu (ppm)	Dy (ppm)	Er (ppm)	Eu (ppm)	Fe (pct)	Ga (ppm)	Gd (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	Ho (ppm)	In (ppm)	K (pct)	La (ppm)	Li (ppm)	Mg (pct)	Mn (ppm)	Mo (ppm)	Na (pct)	Nb (ppm)	Nd (ppm)	Ni (ppm)	P (pct)	Pb (ppm)	Pd (ppb)	Pr (ppm)	Pt (ppb)
JN19033-010D	JN	duplicate	assay	1.53	46.7				5.48	5.75		-0.05	0.14	-10		0.018	0.2	14.5	77.3	1.06	241	0.58	0.02	-0.05		50.3	0.23	31.5			
JN19033-020B	JN	blank	assay	-0.05	2.7				0.08	0.11		-0.05	-0.02	-10		-0.005	0.01	1.2	0.8	0.51	72	0.06	-0.01	0.08		-0.2	0.007	0.5			
JN19034-010D	JN	duplicate	assay	1.95	38.5				4.37	4.43		-0.05	0.08	-10		0.022	0.13	18.4	57.3	0.88	508	0.54	0.02	-0.05		39.5	0.04	37.3			
JN19035-010D	JN	duplicate	assay	1.98	48.4				5.43	5.69		0.05	0.16	-10		0.019	0.17	18.5	68.5	1.12	279	0.57	0.02	-0.05		52.8	0.035	16			
JN19035-020S	JN	standard	assay	0.6	8160				3.34	3.52		-0.05	0.15	280		0.097	0.18	8	5.2	0.37	619	567	0.11	0.24		23.9	0.063	27.1			
JN19036-010D	JN	duplicate	assay	1.43	49.8				4.52	5.78		0.05	0.09	-10		0.016	0.2	23.9	77.2	1	250	0.48	0.03	-0.05		49	0.044	22.4			
JN19036-020B	JN	blank	assay	-0.05	1.7				0.07	0.09		-0.05	-0.02	-10		0.006	0.01	1.3	0.7	0.49	71	-0.05	0.01	-0.05		0.3	0.007	0.3			
JN19038-010D	JN	duplicate	assay	0.62	13.8				1.61	0.88		-0.05	0.07	-10		0.011	0.05	10.5	5.6	0.22	236	0.38	0.01	-0.05		12	0.02	3.8			
JN19038-020S	JN	standard	assay	0.6	7810				3.16	3.53		0.05	0.14	290		0.098	0.17	7.9	5.1	0.35	585	536	0.1	0.25		25.5	0.06	24.9			
JN19039-015S	JN	pulp repeat	assay																												
JN19039-020S	JN	standard	assay	0.71	126.5				3.15	4.43		0.09	0.18	20		0.103	0.14	9.4	8.1	0.44	671	6.5	0.14	0.28		19.1	0.087	12.6			
JN19039-027B	JN	blank	assay	-0.05	1.4				0.06	0.07		-0.05	-0.02	-10		-0.005	0.01	1	0.5	0.53	83	0.07	0.01	-0.05		0.2	0.006	0.4			
JN19039-040B	JN	blank	assay	-0.05	2				0.09	0.11		-0.05	-0.02	-10		-0.005	0.02	1.1	0.9	0.43	66	-0.05	0.01	0.07		0.6	0.008	0.3			
JN19039-044D	JN	duplicate	assay	3.65	1.3				1.57	0.98		0.06	0.11	-10		0.008	0.17	20.7	2.8	0.23	285	3.34	0.03	0.05		0.9	0.036	7.7			
JN19039-052S	JN	standard	assay	0.33	65				2.45	5.23		0.2	0.1	250		0.016	0.23	5.8	7.2	0.67	499	459	0.19	0.98		4.5	0.053	3.4			
JN19039-071D	JN	duplicate	assay	2.99	197.5				2.36	1.09		-0.05	0.1	-10		0.127	0.19	13.6	4.3	0.16	362	80.7	0.02	-0.05		1.3	0.032	317			
JN19039-072B	JN	blank	assay	-0.05	0.6				0.07	0.06		-0.05	-0.02	-10		-0.005	0.01	1.1	0.6	0.75	91	0.62	0.01	-0.05		-0.2	0.007	0.5			
JN19039-073S	JN	standard	assay	0.64	7930				3.17	3.6		-0.05	0.15	300		0.096	0.18	7.6	5.2	0.34	602	534	0.11	0.27		23.4	0.059	25.2			
JN19040-010D	JN	duplicate	assay	0.7	18.4				1.95	0.62		-0.05	0.06	10		0.068	0.08	10.2	1.1	0.05	731	0.65	0.01	-0.05		8.6	0.016	20.5			
JN19040-020B	JN	blank	assay	-0.05	1.2				0.06	0.08		-0.05	-0.02	-10		-0.005	0.01	1.1	0.6	0.59	66	-0.05	0.01	-0.05		0.5	0.007	0.2			
JN19041-010D	JN	duplicate	assay																												
JN19041-020S	JN	standard	assay	0.75	103				3.8	5.81		0.07	0.1	280		0.012	0.36	7.2	7.1	0.74	605	6.2	0.21	0.23		15.5	0.074	11.5			
JN19042-010D	JN	duplicate	assay	2.5	37.4				2.42	1.12		-0.05	0.15	-10		0.02	0.25	18.9	3.8	0.22	491	0.43	-0.01	-0.05		30.9	0.047	30.7			
JN19042-020B	JN	blank	assay	-0.05	2.5				0.07	0.09		-0.05	-0.02	-10		-0.005	0.01	1.1	0.6	0.58	72	-0.05	-0.01	-0.05		0.2	0.007	1.5			
JN19043-010D	JN	duplicate	assay																												

APPENDIX 4: Qaqc

Sample	Project	QAQC Class	Purpose	Rb (ppm)	Re (ppm)	S (pct)	Sb (ppm)	Sc (ppm)	Se (ppm)	Sm (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Tb (ppm)	Te (ppm)	Th (ppm)	Ti (pct)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Yb (ppm)	Zn (ppm)	Zr (ppm)
JN19020-027D	JN	resplit	assay	1.1	0.003	1.45	1.41	2	1.5		1	1090	-0.01		0.06	6.4	-0.005	0.33	5.1	7	0.55	7.93		92	11.7
JN19020-030S	JN	standard	assay	15.7	-0.001	0.12	4.09	3.7	4.3		1.6	94.9	-0.01		0.09	2.4	0.165	0.12	0.81	79	1.34	9.3		62	1.9
JN19020-031B	JN	blank	assay	0.3	-0.001	-0.02	0.04	0.2	-0.1		-0.1	78.1	-0.05		-0.02	-0.1	0.001	-0.02	-0.1	-1	-0.1	1.85		0.9	0.2
	JN	blank	assay	0.4	-0.001	-0.01	-0.05	0.2	0.7		-0.2	89.1	-0.01		0.01	-0.2	-0.005	0.02	0.07	-1	0.05	2.21		-2	-0.5
JN19020-036B	JN	blank	assay	0.4	-0.001	0.03	0.13	0.2	0.2		0.2	94.7	-0.01		0.01	-0.2	-0.005	-0.02	0.08	-1	-0.05	2.14		-2	-0.5
JN19020-060S	JN	standard	assay	7.6	0.06	0.05	0.23	2.7	0.3		5.9	83.8	-0.01		0.02	2.3	0.129	0.26	1.8	76	3060	4.68		37	2
JN19020-062D	JN	resplit	assay	32	-0.001	1.42	6.32	1.9	-0.2		2.6	85.8	-0.01		0.02	12.7	-0.005	0.17	1.18	5	1.42	5.35		115	3.2
JN19020-069B	JN	blank	assay	0.3	-0.001	0.01	0.05	0.1	0.3		-0.2	86.7	-0.01		0.01	-0.2	-0.005	-0.02	0.17	1	0.05	2.07		-2	-0.5
JN19020-073D	JN	resplit	assay	5.4	-0.001	0.18	0.8	1.7	-0.2		1.8	10.2	-0.01		0.01	6.6	-0.005	0.17	0.85	5	4.22	3.69		11	1.9
JN19020-079S	JN	standard	assay	5.6	0.379	0.68	27.7	1.9	1.5		2.3	161.5	-0.01		1.51	1.5	0.065	0.06	1.59	39	7.43	5.59		54	4.1
JN19021-003D	JN	duplicate	assay	9.3	-0.001	1.37	18.55	0.4	1		2.4	2	-0.01		0.41	5.6	-0.005	0.1	0.48	1	0.15	1.54		224	0.9
JN19021-020D	JN	resplit	assay	8.2	-0.001	10	93.3	0.7	3.1		31.4	3.4	-0.01		0.33	6.4	-0.005	7.48	1.81	4	2.2	5.7		39	2.3
JN19021-023B	JN	blank	assay	0.5	-0.001	0.01	0.08	0.2	0.5		-0.2	86.1	-0.01		-0.01	-0.2	-0.005	-0.02	0.06	-1	-0.05	1.96		-2	-0.5
JN19021-026S	JN	standard	assay	5.8	0.389	0.62	25.85	2	0.9		2.2	169.2	-0.05		1.6	1.9	0.069	0.06	1.8	42	6.3	5.72		56.8	3.5
	JN	standard	assay	5.5	0.361	0.64	26.3	2	1.3		2.6	160	-0.01		1.54	1.5	0.064	0.05	1.53	38	7.37	5.48		52	4.2
JN19021-039S	JN	standard	assay	14.9	0.001	0.11	3.93	3.2	4.2		1.6	76.8	-0.01		0.09	2.2	0.144	0.1	0.76	75	1.27	7.76		59	1.8
JN19021-040B	JN	blank	assay	0.3	-0.001	0.02	-0.05	0.2	0.5		0.2	81	-0.01		-0.01	-0.2	-0.005	-0.02	0.34	-1	0.15	2.14		-2	-0.5
JN19021-058D	JN	duplicate	assay	16.6	-0.001	0.13	0.74	3.7	0.2		0.9	18.5	-0.01		0.11	13.4	-0.005	0.19	1.44	19	4.61	5.46		43	3.6
JN19021-069D	JN	duplicate	assay	11.1	-0.001	0.02	0.05	1.7	0.2		0.5	26.7	-0.01		-0.01	7.8	0.012	0.06	0.6	10	8.88	3.95		8	0.9
JN19021-070B	JN	blank	assay	0.4	-0.001	-0.01	-0.05	0.2	0.5		-0.2	87.7	-0.01		-0.01	-0.2	-0.005	-0.02	0.05	1	-0.05	2.04		-2	-0.5
JN19021-072S	JN	standard	assay	7.9	0.057	0.05	0.2	2.6	0.2		5.2	81.5	-0.01		0.02	2.5	0.126	0.25	2.33	76	2870	4.76		37	2.1
JN19022-010D	JN	duplicate	assay	3.8	-0.001	0.12	0.32	0.8	-0.2		0.3	7.3	-0.01		-0.01	7.2	-0.005	0.03	0.52	3	0.93	2.64		19	3.1
JN19022-015B	JN	blank	assay	0.5	-0.001	-0.01	-0.05	0.2	0.3		-0.2	89.3	-0.01		-0.01	-0.2	-0.005	-0.02	0.06	-1	-0.05	2.44		-2	-0.5
JN19023-010D	JN	duplicate	assay	5.8	-0.001	0.19	0.36	0.7	-0.2		1.3	7.1	-0.01		0.02	8.7	-0.005	0.07	0.61	3	1.2	2.86		11	2.5
JN19023-018S	JN	standard	assay	16.4	0.001	0.1	4.28	3.8	4.9		1.8	89.9	-0.01		0.08	2.6	0.157	0.13	0.8	79	1.24	9.1		62	2.1
JN19024-010D	JN	duplicate	assay	8.4	-0.001	0.69	0.96	1.4	0.2		1.1	11.9	-0.01		-0.01	9.1	-0.005	0.1	0.8	8	1.04	3.83		28	3.6
JN19024-018B	JN	blank	assay	0.3	-0.001	-0.01	0.05	0.1	0.4		-0.2	83.2	-0.01		-0.01	-0.2	-0.005	-0.02	0.13	-1	0.05	2.09		-2	-0.5
JN19025-010D	JN	duplicate	assay	4.9	-0.001	0.24	0.58	0.6	-0.2		0.6	5.3	-0.01		-0.01	6.6	-0.005	0.05	0.45	2	0.9	1.48		9	2
JN19025-019S	JN	standard	assay	5	0.048	0.25	3.38	2	2.7		1.4	87	-0.01		2.35	1.7	0.079	0.05	1.58	48	6.92	6		93	4.6
JN19026-010D	JN	duplicate	assay	3	-0.001	0.1	0.36	0.7	-0.2		-0.2	4.7	-0.01		0.01	7.1	-0.005	0.02	0.43	5	1.28	1.43		14	2.4
JN19026-019B	JN	blank	assay	0.6	-0.001	-0.01	-0.05	0.2	0.6		-0.2	87.5	-0.01		0.01	-0.2	0.005	-0.02	0.1	1	-0.05	2.34		-2	0.5
JN19027-010D	JN	duplicate	assay	4.1	-0.001	0.2	1.88	0.6	0.3		0.7	5.3	-0.01		0.2	6.2	-0.005	0.04	0.46	3	1.74	1.65		10	2
JN19027-019S	JN	standard	assay	6.5	0.408	0.7	30.4	2.2	1.6		2.4	170	-0.01		1.6	1.7	0.07	0.06	1.87	41	8.12	6.28		56	4.3
JN19028-010D	JN	duplicate	assay	2.9	-0.001	0.14	0.83	0.3	-0.2		0.2	4.2	-0.01		0.03	3.7	-0.005	0.02	0.25	1	0.34	0.81		7	1.7
JN19028-019B	JN	blank	assay	0.3	-0.001	0.02	-0.05	0.2	0.6		-0.2	86.1	-0.01		-0.01	-0.2	-0.005	-0.02	0.11	-1	0.05	2.23		-2	-0.5
JN19029-010D	JN	duplicate	assay	7.6	-0.001	0.52	1.78	1.6	-0.2		0.2	23.8	-0.01		0.03	10	-0.005	0.06	0.99	10	0.6	2.44		55	4.4
JN19029-021S	JN	standard	assay	4.7	0.047	0.26	3.37	2.2	2.6		1.6	89	-0.01		2.55	1.7	0.081	0.05	1.66	50	7.33	6.16		94	4.9
JN19030-010D	JN	duplicate	assay	9.6	-0.001	0.11	0.47	2.5	0.2		-0.2	64.8	-0.01		0.06	10	-0.005	0.06	0.86	20	0.06	5.49		101	5.7
JN19030-020B	JN	blank	assay	0.5	-0.001	-0.01	-0.05	0.2	0.7		-0.2	82	-0.01		-0.01	-0.2	-0.005	-0.02	0.16	1	-0.05	2.26		-2	-0.5
JN19031-005S	JN	standard	assay	6	0.403	0.5	5.04	2.2	1.3		2.1	180	-0.01		1.28	1.5	0.067	0.05	1.52	39	4.85	5.7		44	3.9
JN19031-012D	JN	duplicate	assay	7	-0.001	0.32	2.72	0.6	0.4		3.5	55.6	-0.01		0.11	9.1	-0.005	0.03	5.44	-1	0.12	6.36		34	5.4
JN19031-014B	JN	blank	assay	0.5	-0.001	-0.01	-0.05	0.2	1.5		-0.2	91.7	-0.01		-0.01	-0.2	-0.005	-0.02	0.06	-1	-0.05	2.21		-2	-0.5
JN19031-036D	JN	duplicate	assay	14	-0.001	0.23	0.68	3.8	-0.2		5.6	7.4	-0.01		-0.01	11	0.005	0.14	0.8	16	0.07	6.32		40	4.5
JN19031-040B	JN	blank	assay	0.2	-0.001	-0.01	-0.05	0.1	1.4		-0.2	82.9	-0.01		-0.01	-0.2	-0.005	-0.02	0.06	-1	-0.05	2.31		-2	-0.5
JN19031-045S	JN	standard	assay	5.5	0.377	0.68	26	1.9	1.4		2.1	160	-0.01		1.45	1.5	0.067	0.05	1.48	38	8.09	5.29		54	3.7
JN19031-073S	JN	standard	assay	5.6	0.395	0.65	25.1	2	1.6		2.2	156.5	-0.01		1.46	1.6	0.065	0.04	1.5	37	8.13	5.31		51	4
JN19031-080B	JN	blank	assay	0.5	-0.001	0.01	-0.05	0.2	0.9		-0.2	84.4	-0.01		-0.01	0.2	-0.005	-0.02	0.17	-1	-0.05	2.22		-2	-0.5
JN19032-010D	JN	duplicate	assay	8.2	-0.001	0.1	0.53	1.8	-0.2		-0.2	55.5	-0.01		0.05	9.8	-0.005	0.07	0.95	16	0.05	4.39		95	6.1
JN19032-020S	JN	standard	assay	6	0.377	0.69	28.9	1.9	1.5		2.3	166.5	-0.01		1.57	1.6	0.071	0.06	1.61	40	7.61	5.75		55	4.6

APPENDIX 4: Qaqc

Sample	Project	QAQC Class	Purpose	Rb (ppm)	Re (ppm)	S (pct)	Sb (ppm)	Sc (ppm)	Se (ppm)	Sm (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Tb (ppm)	Te (ppm)	Th (ppm)	Ti (pct)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Yb (ppm)	Zn (ppm)	Zr (ppm)
JN19033-010D	JN	duplicate	assay	8.4	0.001	1.83	3.37	1.6	0.3		0.2	77.6	-0.01		0.03	10.1	-0.005	0.06	1.79	15	0.07	4.47		115	6.1
JN19033-020B	JN	blank	assay	0.5	-0.001	-0.01	0.05	0.2	-0.2		-0.2	94.7	-0.01		-0.01	-0.2	-0.005	-0.02	0.12	-1	-0.05	2.24		2	-0.5
JN19034-010D	JN	duplicate	assay	6.3	-0.001	0.18	1.15	2.1	-0.2		0.2	67.6	-0.01		0.05	8.7	-0.005	0.06	0.87	15	0.12	4.21		97	5.3
JN19035-010D	JN	duplicate	assay	7.7	-0.001	0.66	1.08	1.9	0.2		0.2	71.6	-0.01		0.04	10.8	-0.005	0.06	1.55	16	-0.05	2.79		97	15
JN19035-020S	JN	standard	assay	5.4	0.38	0.7	26.6	1.8	1.8		2.2	169	-0.01		1.46	1.5	0.067	0.06	1.69	41	7.82	5.38		54	4.2
JN19036-010D	JN	duplicate	assay	8.5	0.001	0.4	1.53	1.7	-0.2		-0.2	34.7	-0.01		0.05	10.9	-0.005	0.07	1.46	15	0.07	2.86		94	4.2
JN19036-020B	JN	blank	assay	0.5	-0.001	-0.01	-0.05	0.2	-0.2		-0.2	93.9	-0.01		-0.01	-0.2	-0.005	-0.02	-0.05	-1	-0.05	2.1		-2	-0.5
JN19038-010D	JN	duplicate	assay	3	-0.001	0.22	0.65	0.8	-0.2		-0.2	20.1	-0.01		0.01	7.7	-0.005	0.02	0.58	4	1.53	1.99		28	3.3
JN19038-020S	JN	standard	assay	5.9	0.377	0.68	27.9	1.9	1.9		2.2	163	-0.01		1.49	1.6	0.066	0.06	1.52	38	7.73	5.72		52	4
JN19039-015S	JN	pulp repeat	assay																						
JN19039-020S	JN	standard	assay	5.1	0.049	0.26	3.74	2.4	2.7		1.9	94.7	-0.01		2.48	1.9	0.093	0.05	1.89	52	7.26	6.72		99	5.5
JN19039-027B	JN	blank	assay	0.4	-0.001	-0.01	-0.05	0.1	0.7		-0.2	81.1	-0.01		0.01	-0.2	-0.005	-0.02	0.09	-1	-0.05	1.93		-2	-0.5
JN19039-040B	JN	blank	assay	0.6	-0.001	0.01	-0.05	0.2	1		-0.2	84.9	-0.01		-0.01	-0.2	-0.005	-0.02	0.11	1	0.1	2.29		-2	-0.5
JN19039-044D	JN	duplicate	assay	11.9	0.001	0.07	0.16	2.5	-0.2		-0.2	81	-0.01		0.07	9.6	-0.005	0.04	2.65	4	35.9	11.85		20	3.2
JN19039-052S	JN	standard	assay	7.9	0.055	0.06	0.2	2.6	0.2		5.2	78.7	-0.01		0.01	2.2	0.125	0.21	1.33	77	2560	4.65		37	2
JN19039-071D	JN	duplicate	assay	15.6	0.01	1.25	3.87	1.8	0.5		1	52.4	-0.01		1.63	7.2	-0.005	0.11	2.8	3	26.4	9.84		118	2.9
JN19039-072B	JN	blank	assay	0.4	-0.001	0.02	-0.05	0.1	1.4		-0.2	83.9	-0.01		0.01	-0.2	-0.005	-0.02	0.22	-1	0.23	2.15		-2	-0.5
JN19039-073S	JN	standard	assay	5.5	0.375	0.68	29.5	2	1.6		2.2	164	-0.01		1.41	1.6	0.068	0.05	1.6	39	8.27	5.69		53	4
JN19040-010D	JN	duplicate	assay	5.6	-0.001	0.62	1.73	1.5	-0.2		0.9	2.5	-0.01		0.01	5.3	-0.005	0.1	0.67	5	0.86	3.46		53	1.7
JN19040-020B	JN	blank	assay	0.5	-0.001	0.01	-0.05	0.2	0.5		-0.2	87.8	-0.01		0.01	-0.2	-0.005	-0.02	0.08	-1	-0.05	2.18		-2	-0.5
JN19041-010D	JN	duplicate	assay																						
JN19041-020S	JN	standard	assay	13.5	-0.001	0.12	4.17	3.3	4.8		1.6	81.7	-0.01		0.13	2.7	0.149	0.12	0.84	76	1.16	8.07		60	1.8
JN19042-010D	JN	duplicate	assay	14.7	-0.001	0.82	2.59	1.1	-0.2		1.4	14.7	-0.01		-0.01	16.8	-0.005	0.12	1.78	5	0.25	4.5		63	4.5
JN19042-020B	JN	blank	assay	0.4	-0.001	0.02	0.12	0.2	0.4		-0.2	91.2	-0.01		0.01	-0.2	-0.005	-0.02	0.07	-1	-0.05	2.12		4	-0.5
JN19043-010D	JN	duplicate	assay																						

APPENDIX 4: Rock

Sample	Project	Sampler	Sample Date	UTM Zone	E (UTM)	N (UTM)	Loc Method	Accuracy (m)	Elev (m)	Elev Method	Sample Type	Purpose	Lith Major	Lith Minor	Colour Weathered	Colour Fresh	Grainsize	Texture	Mineralized	Altered	Is Vein	Least Altered	Mass (kg)	Status	Shipment	Bucket	Notes	Source
PSJNR001	JN	PS	2019-06-08	09N	538546	6845695	map	3	1133	map	grab	assay	quartz pebble conglomerate		169 177 156	142 135 109			TRUE	FALSE	FALSE	FALSE		complete	JN19-002	1	sheared, silicified grit with mm scale qtz veinlets and sporadic finely disseminated aspy. very weathered with open vuggy rusted out porosity. shear oriented 318-62	
PSJNR002	JN	PS	2019-06-08	09N	538561	6845704	map	3	1133	map	grab	assay	quartz pebble conglomerate		193 153 153	99 100 92			TRUE	FALSE	FALSE	FALSE		complete	JN19-002	1	greenish grit near shear plane (?), host to finely disseminated aspy and rust after sulfide. shear plane oriented at 225-45	
PSJNR003	JN	PS	2019-06-08	09N	538554	6845707	map	3	1149	map	grab	assay	quartz pebble conglomerate		30 30 30	210 207 188			TRUE	FALSE	TRUE	FALSE		complete	JN19-002	1	cm-dm scale qtz vein with cm wide vein of aspy+py. strike and dip of aspy vein- 225-44	
PSJNR004	JN	PS	2019-06-08	09N	538550	6845707	map	3	1139	map	grab	assay	quartz pebble conglomerate		53 51 56	163 172 181			TRUE	TRUE	FALSE	FALSE		complete	JN19-002	1	highly silicified grit with fine to medium py and aspy min disseminated and hosted in veinlets	
PSJNR005	JN	PS	2019-06-08	09N	538554	6845701	GPS internal	3	1132	GPS internal	grab	assay	quartz pebble conglomerate		94 77 69	163 151 125			TRUE	TRUE	TRUE	FALSE		complete	JN19-002	2	highly oxidized quartz vein material collected adjacent to psjnr004	
PSJNR006	JN	PS	2019-06-08	09N	538561	6845703	GPS internal	4	1131	GPS internal	grab	assay	quartz pebble conglomerate		190 184 168	144 145 139			FALSE	FALSE	TRUE	FALSE		complete	JN19-002	2	<cm scale qtz veins host to orange rusty boxwork (after sulfide?). hosted in rusty grit	
PSJNR007	JN	PS	2019-06-09	09N	538560	6845702	GPS internal	3	1144	GPS internal	grab	assay	quartz pebble conglomerate		99 98 78	181 169 145			FALSE	FALSE	TRUE	FALSE		complete	JN19-002	2	highly oxidized vein along shear zone with open porosity filled by prismatic qtz xtals, mm scale. vein orient 220-60	
PSJNR008	JN	PS	2019-06-09	09N	538559	6845699	GPS internal	3	1131	GPS internal	grab	assay	quartz pebble conglomerate		124 128 114	115 111 66			TRUE	FALSE	TRUE	FALSE		complete	JN19-002	2	qtz vein extension of psjnr003, well mineralized with sooty aspy	
PSJNR009	JN	PS	2019-06-09	09N	538551	6845699	GPS internal	3	1137	GPS internal	grab	assay	quartz pebble conglomerate		171 150 145	179 161 161			FALSE	FALSE	TRUE	FALSE		complete	JN19-002	3	qtz vein with open vuggy porosity filled with brown carbonate? Vein oriented 116-60	
PSJNR010	JN	PS	2019-06-09	09N	538552	6845698	map	3	1134	map	grab	assay	quartz pebble conglomerate		93 109 96	120 150 140			TRUE	TRUE	FALSE	FALSE		complete	JN19-002	3	green silicified grit mineralized with finely dis. Pyrite	
PSJNR011	JN	PS	2019-06-09	09N	538555	6845693	map	4	1129	map	grab	assay	phyllite			129 138 111			TRUE	TRUE	FALSE	FALSE		complete	JN19-002	3	sericited altered phyllite with minor finely disseminated sulfide. contact with grit oriented 332-50	
PSJNR012	JN	PS	2019-06-09	09N	538552	6845698	map	3	1134	map	grab	assay	quartz pebble conglomerate		157 131 118	202 195 179			TRUE	TRUE	TRUE	FALSE		complete	JN19-002	3	Extension of psjnr004 updip. Mineralization appears to be bedding controlled. Oriented 360-85	
PSJNR013	JN	PS	2019-06-09	09N	538561	6845701	GPS internal	3	1139	GPS internal	grab	assay	quartz pebble conglomerate		222 214 177	141 121 94			TRUE	FALSE	TRUE	FALSE		complete	JN19-002	4	qtz vein extension of psjnr003, 008. rusty with fine intergrown pyrite and minor aspy. 5 cm wide vein. oriented 120-60	
PSJNR014	JN	PS	2019-06-10	09N	549182	6836482	map	3	1422	map	float	assay	sandstone		129 125 96	202 196 172			TRUE	TRUE	TRUE	FALSE		complete	JN19-002	4	Dm scale qtz vein, highly oxidized, open vuggy porosity, greenish yellow clay, rusted out euhedral-sooty py, aspy mineralization	
PSJNR015	JN	PS	2019-06-10	09N	549183	6836476	GPS internal	3	1410	GPS internal	float	assay	sandstone		182 168 131	190 186 161			TRUE	TRUE	TRUE	FALSE		complete	JN19-002	4	Py and aspy mineralized Qtz vein float. Very similar and located upslope of PSJNR015.	
PSJNR016	JN	PS	2019-06-10	09N	549182	6836485	map	3	1402	map	grab	assay	sandstone		161 138 104	133 142 147			TRUE	TRUE	TRUE	FALSE		complete	JN19-002	5	Similarly mineralized to PSJNR014 and -015. Located downslope of these samples as part of a more cohesive slump that is well mineralized with aspy and py. right beside orange-red rusty stream.	
PSJNR017	JN	PS	2019-06-11	09N	543508	6838992	map	3	1972	map	grab	assay	sandstone		171 148 114	112 99 80			TRUE	FALSE	TRUE	FALSE		complete	JN19-002	5	Sandstone cross cut by mm-cm scale qtz veins that are mineralized with finely disseminated aspy in oxidized sandstone	
PSJNR018	JN	PS	2019-06-11	09N	543549	6839020	map	3	1979	map	float	assay	limestone		204 178 141	98 73 53			FALSE	TRUE	FALSE	FALSE		complete	JN19-002	5	Extremely oxidized soft sandstone fragment(?) hosted in field of dark flaky limestone. deep red oxidized pits - sulfide boxwork?	

APPENDIX 4: Soil

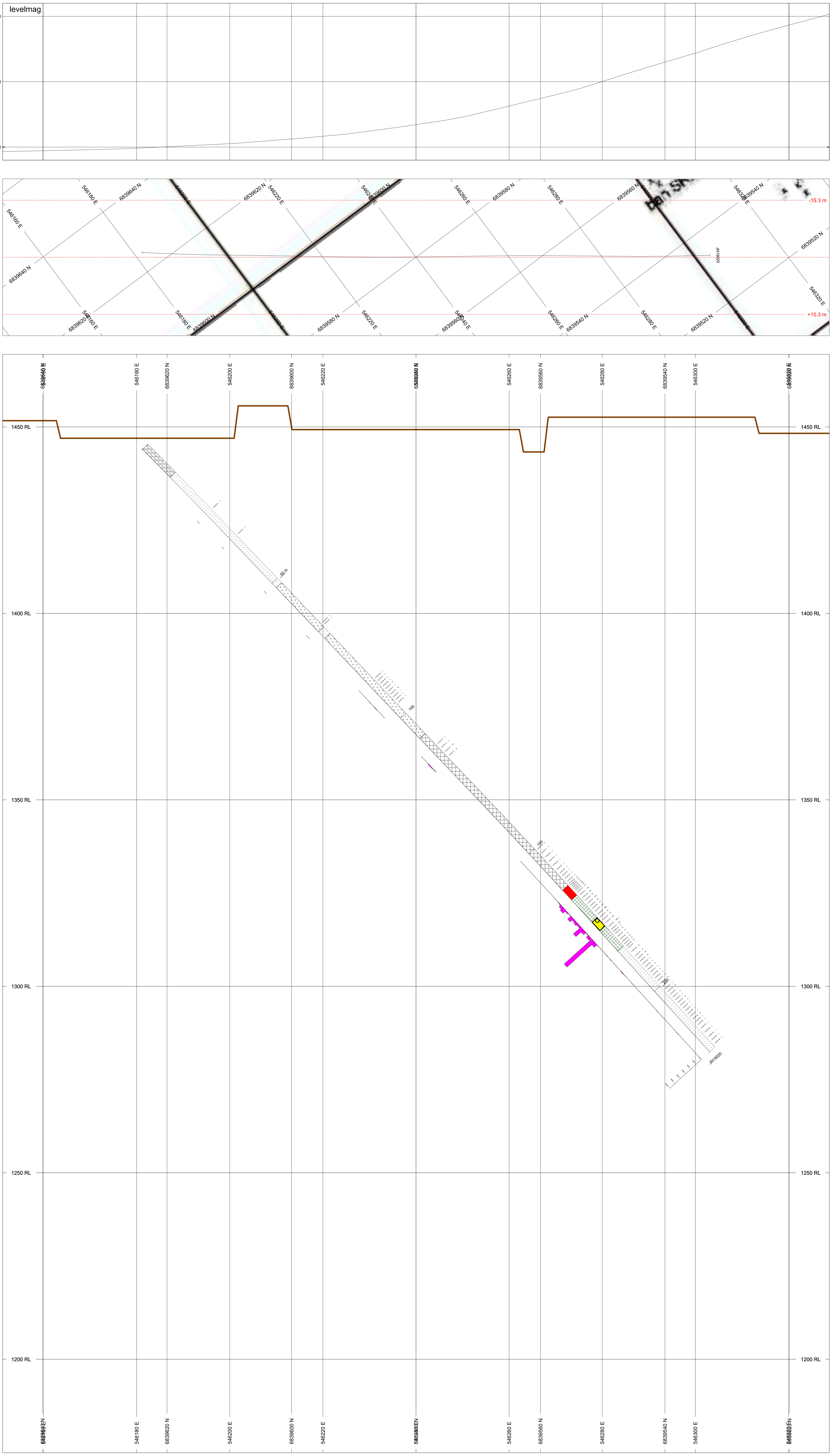
Sample	Project	Sampler	Sample Date	UTM Zone	E (UTM)	N (UTM)	Loc Method	Accuracy (m)	Elev (m)	Elev Method	Sample Type	Purpose	Colour 1	Colour 2	Horizon	Depth (cm)	Slope	Outcrop	Permafrost	pH	Quality	Shortnote 1	Status	Mass (kg)	Shipment	Bucket	Notes	Source
JNL054 00+00	JN	PS	2019-06-10	09N	549336	6836464	GPS internal	3	1376	GPS internal	soil	assay	178 169 170		A	5	40	FALSE	FALSE		3	line start	complete		JN19-001	1		
JNL054 00+50S	JN	PS	2019-06-10	09N	549405	6836436	GPS internal	4	1372	GPS internal	soil	assay	188 187 166		A	5	30	FALSE	FALSE		3		complete		JN19-001	1		
JNL054 01+00S	JN	PS	2019-06-10	09N	549453	6836401	GPS internal	3	1374	GPS internal	soil	assay	166 140 115		A		30	FALSE	FALSE		3	moist	complete		JN19-001	1		
JNL054 01+50S	JN	PS	2019-06-10	09N	549506	6836356	GPS internal	3	1378	GPS internal	soil	assay	108 86 72		C	15	30	TRUE	FALSE		3		complete		JN19-001	1		
JNL054 02+00S	JN	PS	2019-06-10	09N	549539	6836324	GPS internal	3	1385	GPS internal	soil	assay	133 113 125		A	15	30	FALSE	FALSE		3		complete		JN19-001	1		
JNL054 02+50S	JN	PS	2019-06-10	09N	549569	6836288	GPS internal	3	1384	GPS internal	soil	assay	199 180 163		A	15	30	FALSE	FALSE		3	wet	complete		JN19-001	1		
JNL054 03+00S	JN	PS	2019-06-10	09N	549589	6836242	GPS internal	3	1398	GPS internal	soil	assay	158 133 126		B	25	30	FALSE	FALSE		3	wet	complete		JN19-001	1		
JNL054 03+50S	JN	PS	2019-06-10	09N	549619	6836198	GPS internal	3	1392	GPS internal	soil	assay	222 216 200		B		30	FALSE	FALSE		3		complete		JN19-001	1		
JNL054 04+00S	JN	PS	2019-06-10	09N	549648	6836156	GPS internal	3	1404	GPS internal	soil	assay	175 160 153		A		30	FALSE	FALSE		3		complete		JN19-001	1		
JNL054 04+50S	JN	PS	2019-06-10	09N	549666	6836115	GPS internal	3	1405	GPS internal	soil	assay	159 156 147		A	25	20	FALSE	FALSE		1		complete		JN19-001	1		
JNL054 05+00S	JN	PS	2019-06-10	09N	549679	6836069	GPS internal	3	1406	GPS internal	soil	assay	174 157 147		B	15	30	FALSE	FALSE		3		complete		JN19-001	1		
JNL054 05+50S	JN	PS	2019-06-10	09N	549701	6836022	GPS internal	3	1401	GPS internal	soil	assay	197 183 174		A	35	20	FALSE	FALSE		3		complete		JN19-001	1		
JNL054 06+00S	JN	PS	2019-06-10	09N	549720	6835968	GPS internal	3	1410	GPS internal	soil	assay	121 130 137		B	10	10	FALSE	FALSE		3	select from list	complete		JN19-001	1		
JNL054 06+50S	JN	PS	2019-06-10	09N	549737	6835918	GPS internal	3	1408	GPS internal	soil	assay	190 160 98		B	35	20	FALSE	FALSE		4		complete		JN19-001	1		
JNL054 07+00S	JN	PS	2019-06-10	09N	549746	6835872	GPS internal	4	1403	GPS internal	soil	assay	147 128 130		mix	25	20	FALSE	FALSE		4		complete		JN19-001	1		
JNL054 07+50S	JN	PS	2019-06-10	09N	549770	6835827	GPS internal	3	1407	GPS internal	soil	assay	192 178 139		B	25	20	FALSE	FALSE		4	mixed B/C horizon	complete		JN19-001	1		
JNL054 08+00S	JN	PS	2019-06-10	09N	549780	6835771	GPS internal	3	1415	GPS internal	soil	assay	137 120 74		B	25	30	FALSE	FALSE		4		complete		JN19-001	1		
JNL054 08+50S	JN	PS	2019-06-10	09N	549810	6835737	GPS internal	3	1403	GPS internal	soil	assay	226 201 160		mix	25	20	TRUE	FALSE		4		complete		JN19-001	1		
JNL054 09+00S	JN	PS	2019-06-10	09N	549836	6835691	GPS internal	3	1410	GPS internal	soil	assay	147 136 80		B	25	30	FALSE	FALSE		4		complete		JN19-001	1		
JNL054 09+50S	JN	PS	2019-06-10	09N	549850	6835644	GPS internal	3	1414	GPS internal	soil	assay	180 155 91		B	25	20	FALSE	FALSE		4		complete		JN19-001	1		
JNL054 10+00S	JN	PS	2019-06-10	09N	549867	6835601	GPS internal	3	1423	GPS internal	soil	assay	181 159 122		B	35	30	FALSE	FALSE		4		complete		JN19-001	1		
JNL054 10+50S	JN	PS	2019-06-10	09N	549880	6835551	GPS internal	3	1418	GPS internal	soil	assay	209 172 101		B	25	20	FALSE	FALSE		4		complete		JN19-001	1		
JNL054 11+00S	JN	PS	2019-06-10	09N	549898	6835499	GPS internal	3	1421	GPS internal	soil	assay	194 180 151		mix	15	20	FALSE	FALSE		4		complete		JN19-001	1		
JNL054 11+50S	JN	PS	2019-06-10	09N	549907	6835451	GPS internal	3	1423	GPS internal	soil	assay	226 212 183		mix		30	FALSE	FALSE		4		complete		JN19-001	1		
JNL054 12+00S	JN	PS	2019-06-10	09N	549911	6835394	GPS internal	3	1430	GPS internal	soil	assay	198 183 150		A	15	20	FALSE	FALSE		2		complete		JN19-001	1		
JNL054 12+50S	JN	PS	2019-06-10	09N	549933	6835337	GPS internal	3	1435	GPS internal	soil	assay	161 141 142		mix		10	FALSE	FALSE		4		complete		JN19-001	1		
JNL054 13+00S	JN	PS	2019-06-10	09N	549963	6835301	GPS internal	3	1418	GPS internal	soil	assay	207 195 171		A	25	30	FALSE	FALSE		3		complete		JN19-001	1		
JNL054 13+50S	JN	PS	2019-06-10	09N	550028	6835259	GPS internal	5	1407	GPS internal	soil	assay	160 139 84		B	15	20	FALSE	FALSE		3		complete		JN19-001	1		
JNL054 14+00S	JN	PS	2019-06-10	09N	550036	6835242	GPS internal	3	1394	GPS internal	soil	assay	191 178 144		A	25	30	FALSE	FALSE		2	line end	complete		JN19-001	1		
JNL055 00+00	JN	PS	2019-06-10	09N	549213	6836359	GPS internal	3	1440	GPS internal	soil	assay	127 119 96		B	25	10	FALSE	FALSE		4	line end	complete		JN19-001	2		
JNL055 00+50S	JN	PS	2019-06-10	09N	549239	6836306	GPS internal	3	1448	GPS internal	soil	assay	159 152 124		A	25	10	FALSE	FALSE		3		complete		JN19-001	2		
JNL055 01+00S	JN	PS	2019-06-10	09N	549257	6836261	GPS internal	3	1449	GPS internal	soil	assay	116 111 92		B	25	10	FALSE	FALSE		3		complete		JN19-001	2		
JNL055 01+50S	JN	PS	2019-06-10	09N	549280	6836207	GPS internal	3	1451	GPS internal	soil	assay	172 161 143		B	25	30	FALSE	FALSE		5		complete		JN19-001	2		
JNL055 02+00S	JN	PS	2019-06-10	09N	549304	6836164	GPS internal	3	1455	GPS internal	soil	assay	182 166 150		B	25	30	FALSE	FALSE		3	wet	complete		JN19-001	2		
JNL055 02+50S	JN	PS	2019-06-10	09N	549316	6836121	GPS internal	3	1452	GPS internal	soil	assay	177 157 130		B		10	FALSE	FALSE		3		complete		JN19-001	2		
JNL055 03+00S	JN	PS	2019-06-10	09N	549361	6836070	GPS internal	3	1448	GPS internal	soil	assay	144 125 121		B	25	30	FALSE	FALSE		3		complete		JN19-001	2		
JNL055 03+50S	JN	PS	2019-06-10	09N	549389	6836018	GPS internal	3	1454	GPS internal	soil	assay	169 150 135		A		30	FALSE	FALSE		3		complete		JN19-001	2		
JNL055 04+00S	JN	PS	2019-06-10	09N	549434	6835978	GPS internal	3	1452	GPS internal	soil	assay	220 202 192		A	25	30	FALSE	FALSE		2		complete		JN19-001	2		
JNL055 04+50S	JN	PS	2019-06-10	09N	549476	6835943	GPS internal	3	1449	GPS internal	soil	assay	148 138 113		mix		30	FALSE	FALSE		2		complete		JN19-001	2		
JNL055 05+00S	JN	PS	2019-06-10	09N	549535	6835907	GPS internal	3	1446	GPS internal	soil	assay	174 143 123		B	25	30	FALSE	FALSE		4		complete		JN19-001	2		
JNL055 05+50S	JN	PS	2019-06-10	09N	549596	6835886	GPS internal	3	1444	GPS internal	soil	assay	155 141 112		B		30	FALSE	FALSE		4		complete		JN19-001	2		
JNL055 06+00S	JN	PS	2019-06-10	09N	549640	6835855	GPS internal	3	1438	GPS internal	soil	assay	141 131 122		B	25	30	FALSE	FALSE		4		complete		JN19-001	2		
JNL055 06+50S	JN	PS	2019-06-10	09N	549660	6835800	GPS internal	3	1443	GPS internal	soil	assay	159 165 163		B	25	30	FALSE	FALSE		4		complete		JN19-001	2		
JNL055 07+00S	JN	PS	2019-06-10	09N	549687	6835759	GPS internal	3	1445	GPS internal	soil	assay	180 154 131		mix	25	30	FALSE	FALSE		3		complete		JN19-001	2		
JNL055 07+50S	JN	PS	2019-06-10	09N	549713	6835718	GPS internal	3	1451	GPS internal	soil	assay	160 137 87		B	15	30	FALSE	FALSE		4		complete		JN19-001	2		
JNL055 08+00S	JN	PS	2019-06-10	09N	549744	6835671	GPS internal	3	1452	GPS internal	soil	assay	151 132 99		B	15	20	FALSE	FALSE		2		complete		JN19-001	2		
JNL055 08+50S	JN	PS	2019-06-10	09N	549777	6835644	GPS internal	3	1465	GPS internal	soil	assay	154 130 82		B	25	20	FALSE	FALSE		4		complete		JN19-001	2		
JNL055 09+00S	JN	PS	2019-06-10	09N	549812	6835593	GPS internal	3	1443	GPS internal	soil	assay			mix	25	20	FALSE	FALSE		4		complete		JN19-001	2		
JNL055 09+50S	JN	PS	2019-06-10	09N	549833	6835558	GPS internal	3	1437	GPS internal	soil	assay			mix	25	30	FALSE	FALSE		4		complete		JN19-001	2		
JNL055 10+00S	JN	PS	2019-06-10	09N	549861	6835508	GPS internal	3	1439	GPS internal	soil	assay	190 159 131		B	15	20	FALSE	FALSE		5		complete		JN19-001	2		
JNL055 10+50S	JN	PS	2019-06-10	09N	549872	6835466	GPS internal	4	1434	GPS internal	soil	assay	145 137 114		mix	25	30	FALSE	FALSE		4		complete		JN19-001	2		
JNL055 11+00S	JN	PS	2019-06-10	09N	549888	6835409	GPS internal	3	1439	GPS internal	soil	assay	160 151 118		A		10	FALSE	FALSE		1		complete		JN19-001	2		
JNL055 11+50S	JN	PS	2019-06-10	09N	549897	6835356	GPS internal	3	1432	GPS internal	soil	assay	84 84 94		B	35	20	FALSE	FALSE		1		insufficient sample	0	JN19-001	2		
JNL055 12+00S	JN	PS	2019-06-10	09N	549938	6835328	GPS internal	3	1428	GPS internal	soil	assay	186 168 146		A	25	30	FALSE	FALSE		2		complete		JN19-001	2		
JNL055 12+50S	JN	PS	2019-06-10	09N	549962	6835275	GPS internal	4	1426	GPS internal	soil	assay	189 182 198		A	15	30	FALSE	FALSE		2		complete		JN19-001	2		
JNL055 13+00S	JN	PS	2019-06-10	09N	549981	6835226	GPS internal	3	1425	GPS internal	soil	assay	174 145 131		B	15	20	FALSE	FALSE		2	line start	complete		JN19-001	2		

APPENDIX 4: Qaqc

Sample	Project	QAQC Class	Purpose	Ref Material	Parent Sample	Shipment	Bucket	Source	Previous Sample	Ref Table	Status	Notes
JNL054 06+00SD	JN	duplicate	assay		JNL054 06+00S	JN19-001	1		JNL054 06+00S	soil	complete	
JNL055 06+50SD	JN	duplicate	assay		JNL055 06+50S	JN19-001	2		JNL055 06+50S	soil	complete	

Appendix V

Drill Sections



TOPOGRAPHY
w001001.adf

BAR GRAPHS	L/R	COL	RANGE
au_ppb	L		0

ROCK CODES	PAT	LABEL	DESCRIPTION
lith_maj		massive sulphide	MAS
		overburden	OVB
		quartz pebble conglomerate	QPC
		siltstone	SLT
		skarn	SKN
		quartz feldspar porphyry	QFP
		gouge	

ASSAYS	L/R	TEXT
au_ppb	R	-------

POSTED TEXT	L/R	TEXT	ITEMS
samp_num	R	-------	All

SECTION SPECS:

REF. PT. E, N	546240 m	6839580 m
EXTENTS	221.8 m	294.5 m
SECTION TOP, BOT	1469 m	1175 m
TOLERANCE +/-	15.3 m	

SCALE 1 : 500

(m)

-5 0 5 10 15 20

*unknown

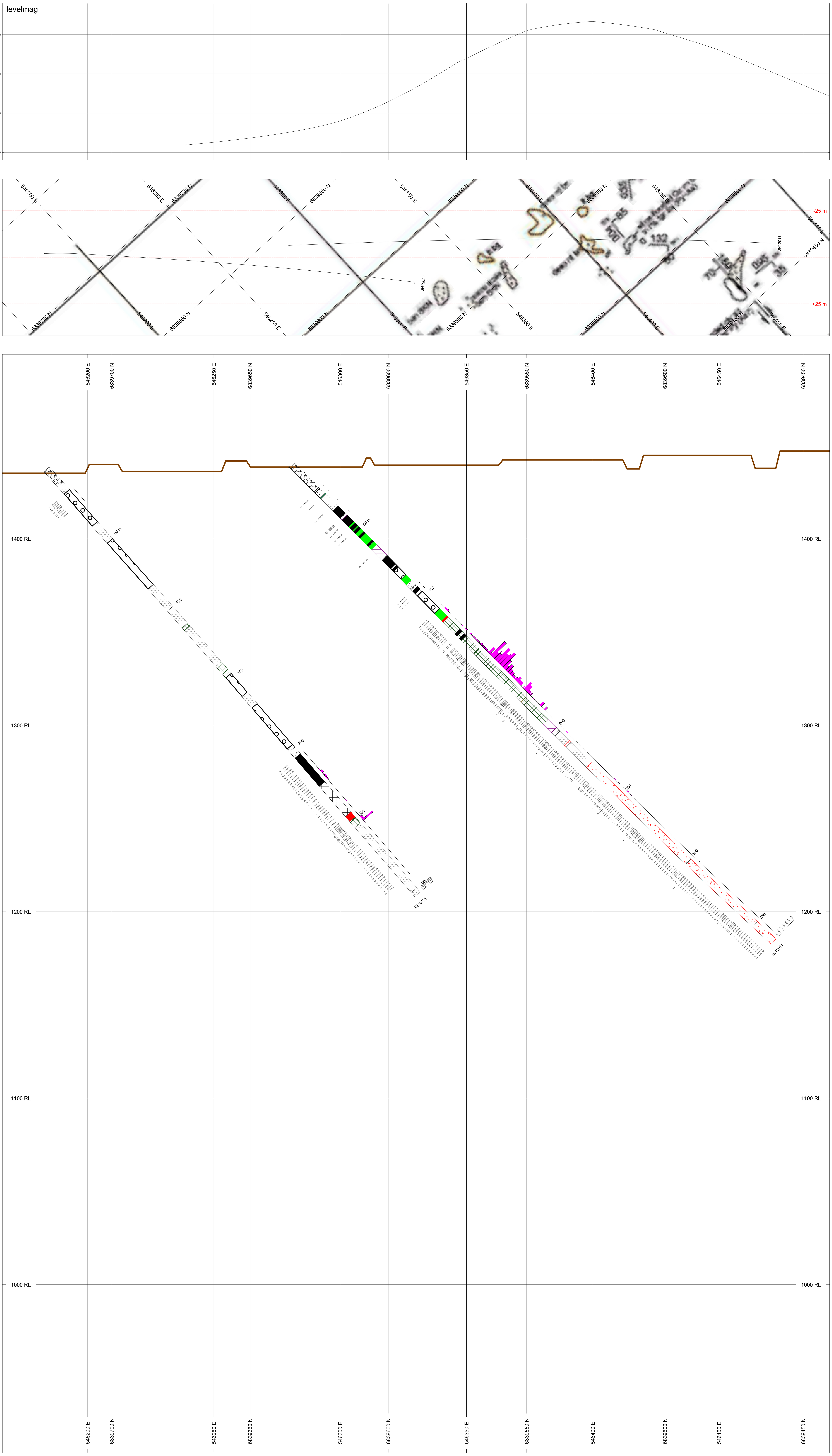
AZIMUTH = 126.8°

N W E S

Aben Resources

Justin Property

Figure 15 - JN19020



TOPOGRAPHY

w001001.adf

BAR GRAPHS	L/R	COL	RANGE
au_ppb	R		0

ROCK CODES	PAT	LABEL	DESCRIPTION
lith_maj		calc-silicate rock	CLS
		calcareous siltstone	CSS
		fault	FLT
		granodiorite	GRD
		hornfels	HFL
		lost	LOS
		massive sulphide	MAS
		overburden	OVB
		quartz pebble conglomerate	
		sandstone	SST
		siltstone	SLT
		skarn	SKN
		vein	VEN
		RGS	RSK
		breccia	
		gouge	

ASSAYS	L/R	TEXT
au_ppb	L	-------

POSTED TEXT	L/R	TEXT	ITEMS
samp_num	L	-------	All

SECTION SPECS:

REF. PT. E, N	546330 m	6839590 m
EXTENTS	443.5 m	589.1 m
SECTION TOP, BOT	1499 m	909.8 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

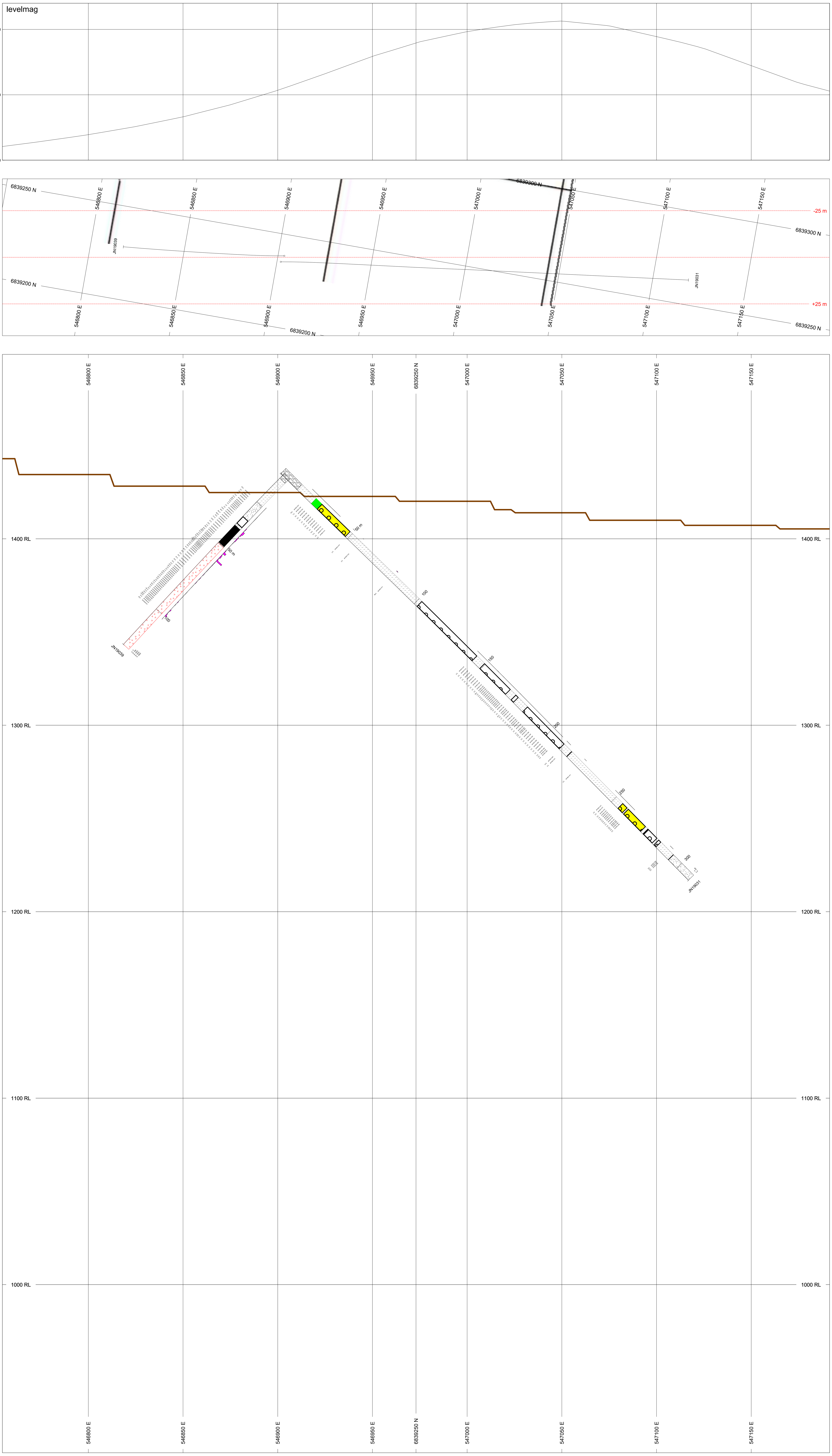
AZIMUTH = 132.4°

N W E S

Aben Resources

Justin Property

Figure 16 - JN19021 & JN12011



TOPOGRAPHY

w001001.adf

BAR GRAPHS	L/R	COL	RANGE
au_ppb	R		0

ROCK CODES	PAT	LABEL	DESCRIPTION
lith_maj		calcareous siltstone	CSS
		granodiorite	GRD
		overburden	OVB
		quartz pebble conglomerate	
		sandstone	SST
		siltstone	SLT
		quartz feldspar porphyry	QFP
		breccia	
		gouge	

ASSAYS	L/R	TEXT
au_ppb	L	-------

POSTED TEXT	L/R	TEXT	ITEMS
samp_num	L	-------	All

SECTION SPECS:

REF. PT. E, N	546973 m	6839250 m
EXTENTS	443.5 m	589.1 m
SECTION TOP, BOT	1499 m	909.8 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 80°

N

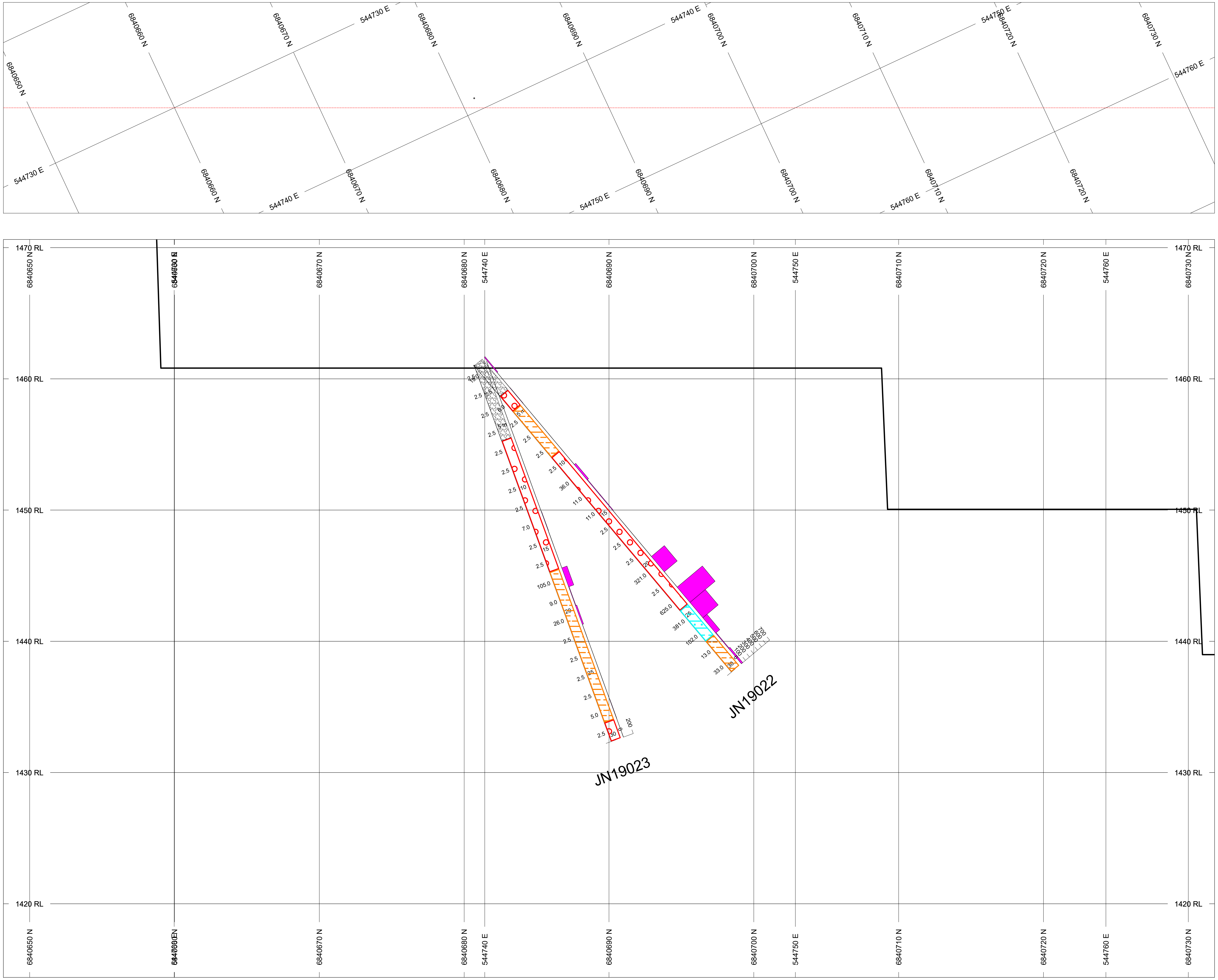
W E

S

Aben Resources

Justin Property

JN19031 & JN19039



TOPOGRAPHY

w001001.adf

BAR GRAPHS	L/R	COL	RANGE
au_ppb	R		Min 0 Max 1000

ROCK CODES	PAT	LABEL	DESCRIPTION
lith_detail		overburden	OVB
		QPC	
		QPC_phyllite	
		phyllite_QPC	

ASSAYS	L/R	TEXT
au_ppb	L	-------

SECTION SPECS:

REF. PT. E, N	544744 m	6840690 m
EXTENTS	92.28 m	56.23 m
SECTION TOP, BOT	1471 m	1414 m
TOLERANCE +/-	12.5 m	

SCALE 1 : 200

(m)

-1 0 1 2 3 4 5 6

*unknown

AZIMUTH = 25°

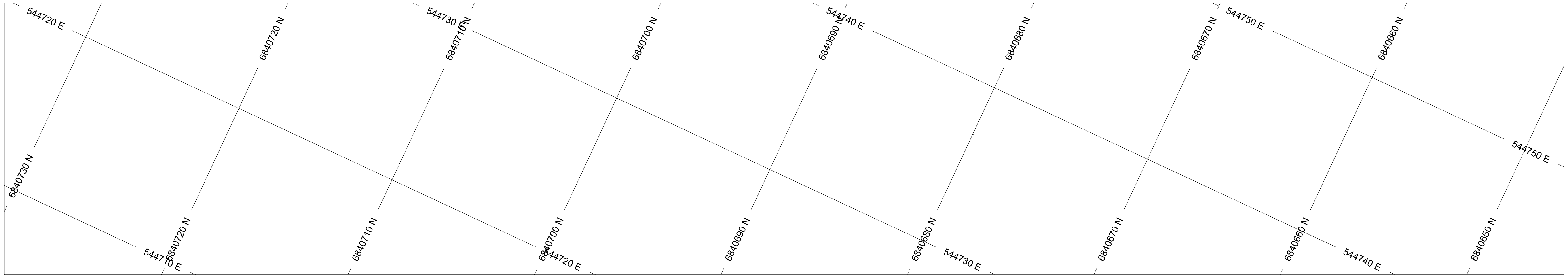
N W E S

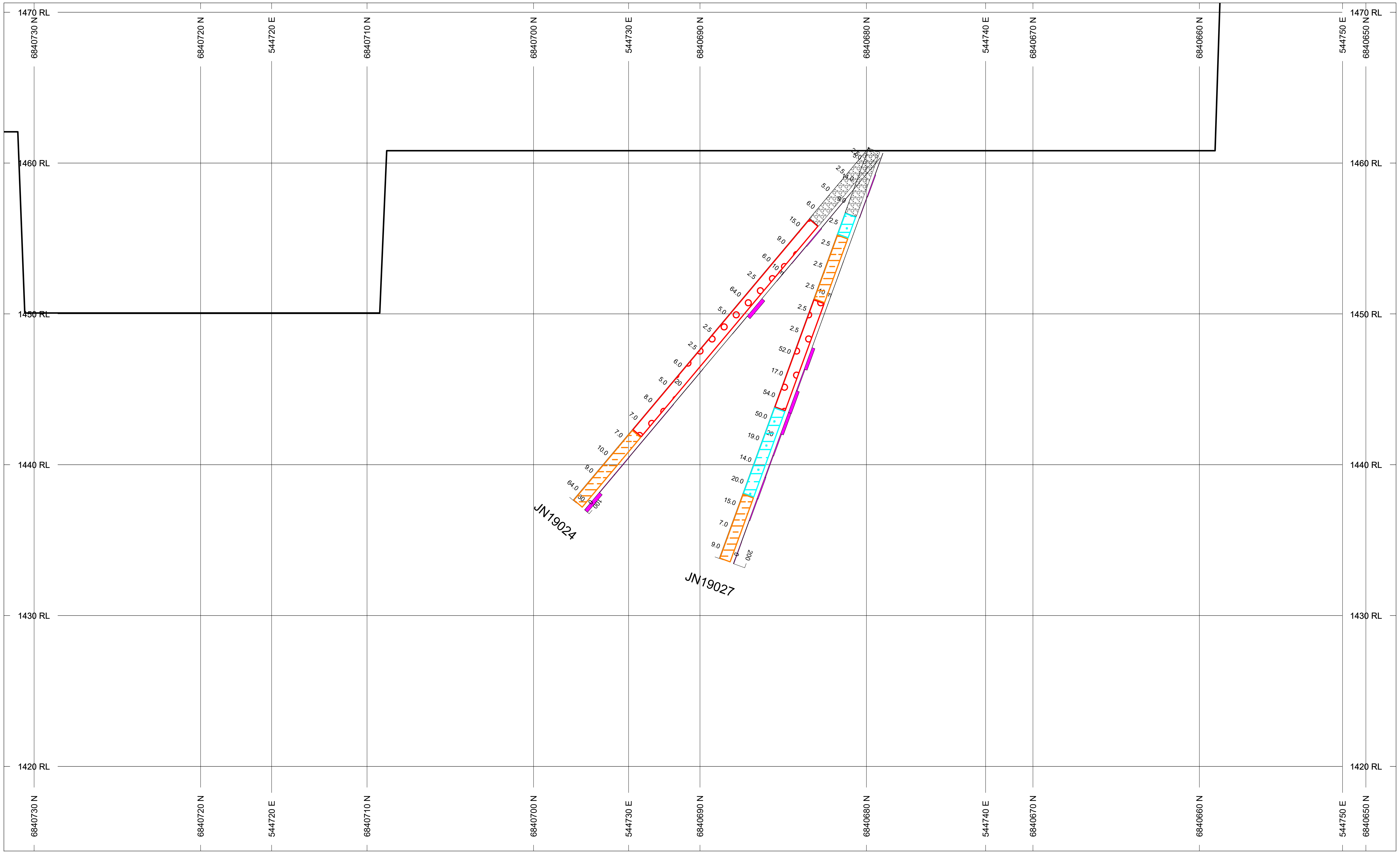
Aben Resources Ltd.

Justin Property

Lost Ace

Section 19





TOPOGRAPHY

w001001.adf

BAR GRAPHS	L/R	COL	RANGE
au_ppb	R		Min 0 Max 1000

ROCK CODES	PAT	LABEL	DESCRIPTION
lith_detail		overburden	OVB
		QPC	
		QPC_phyllite	
		phyllite_QPC	

ASSAYS	L/R	TEXT
au_ppb	L	-------

SECTION SPECS:

REF. PT. E, N	544732 m	6840690 m
EXTENTS	92.28 m	56.23 m
SECTION TOP, BOT	1471 m	1414 m
TOLERANCE +/-	12.5 m	

SCALE 1 : 200

(m)

-1 0 1 2 3 4 5 6

*unknown

AZIMUTH = 155°

N

W E

S

Aben Resources Ltd.

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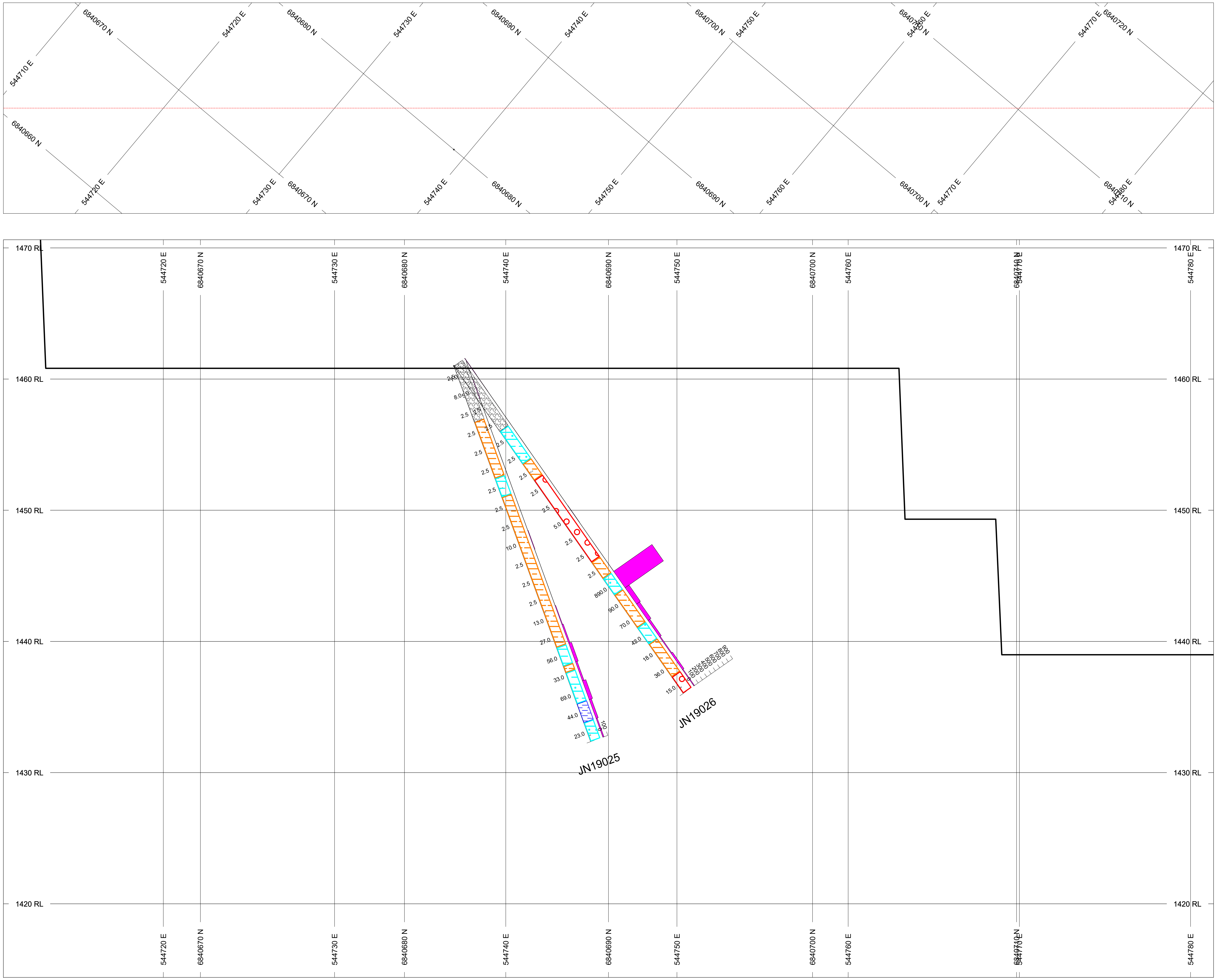
Lost Ace

Section 19



TOPOGRAPHY
w001001.adf

BAR GRAPHS	L/R	COL	RANGE
au_ppb	R		Min 0 Max 1000

ROCK CODES	PAT	LABEL	DESCRIPTION
lith_detail		overburden	OVB
		phyllite	
		QPC	
		QPC_phyllite	
		phyllite_QPC	

ASSAYS	L/R	TEXT
au_ppb	L	-------

SECTION SPECS:

REF. PT. E, N	544746 m	6840690 m
EXTENTS	92.28 m	56.23 m
SECTION TOP, BOT	1471 m	1414 m
TOLERANCE +/-	12.5 m	

SCALE 1 : 200
(m)
-1 0 1 2 3 4 5 6
*unknown

AZIMUTH = 50°
N
W E
S

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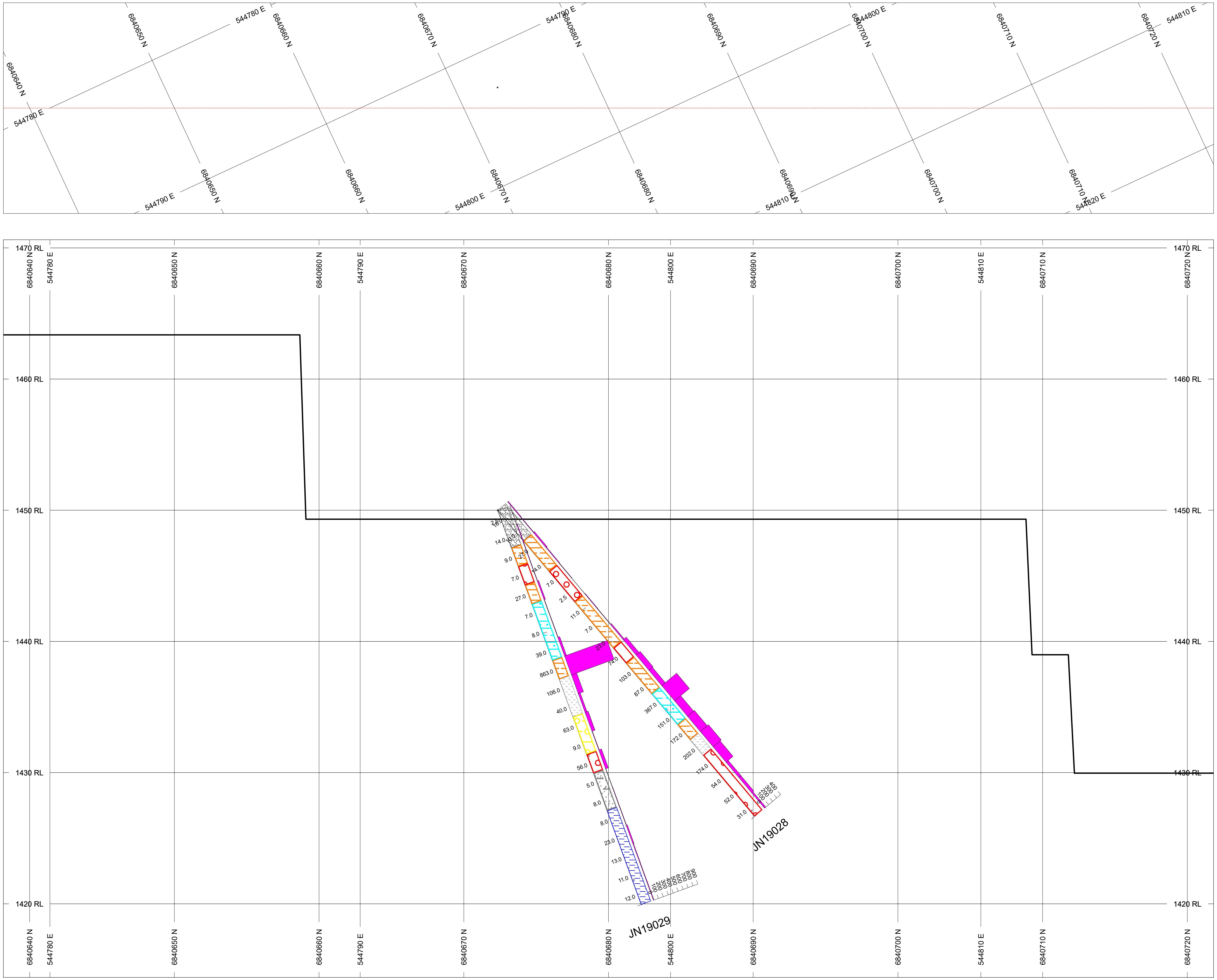
Section 19



TOPOGRAPHY

w001001.adf

BAR GRAPHS	L/R	COL	RANGE
au_ppb	R		Min 0 Max 1000

ROCK CODES	PAT	LABEL	DESCRIPTION
lith_detail		overburden	OVB
		siltstone	SLT
		phyllite	
		QPC	
		QPC_phyllite	
		QPC_siltstone	
		phyllite_QPC	
		siltstone_QPC	

ASSAYS	L/R	TEXT
au_ppb	L	-------

SECTION SPECS:

REF. PT. E, N	544798 m	6840680 m
EXTENTS	92.28 m	56.23 m
SECTION TOP, BOT	1471 m	1414 m
TOLERANCE +/-	12.5 m	

SCALE 1 : 200

(m)

-1 0 1 2 3 4 5 6

*unknown

AZIMUTH = 25°

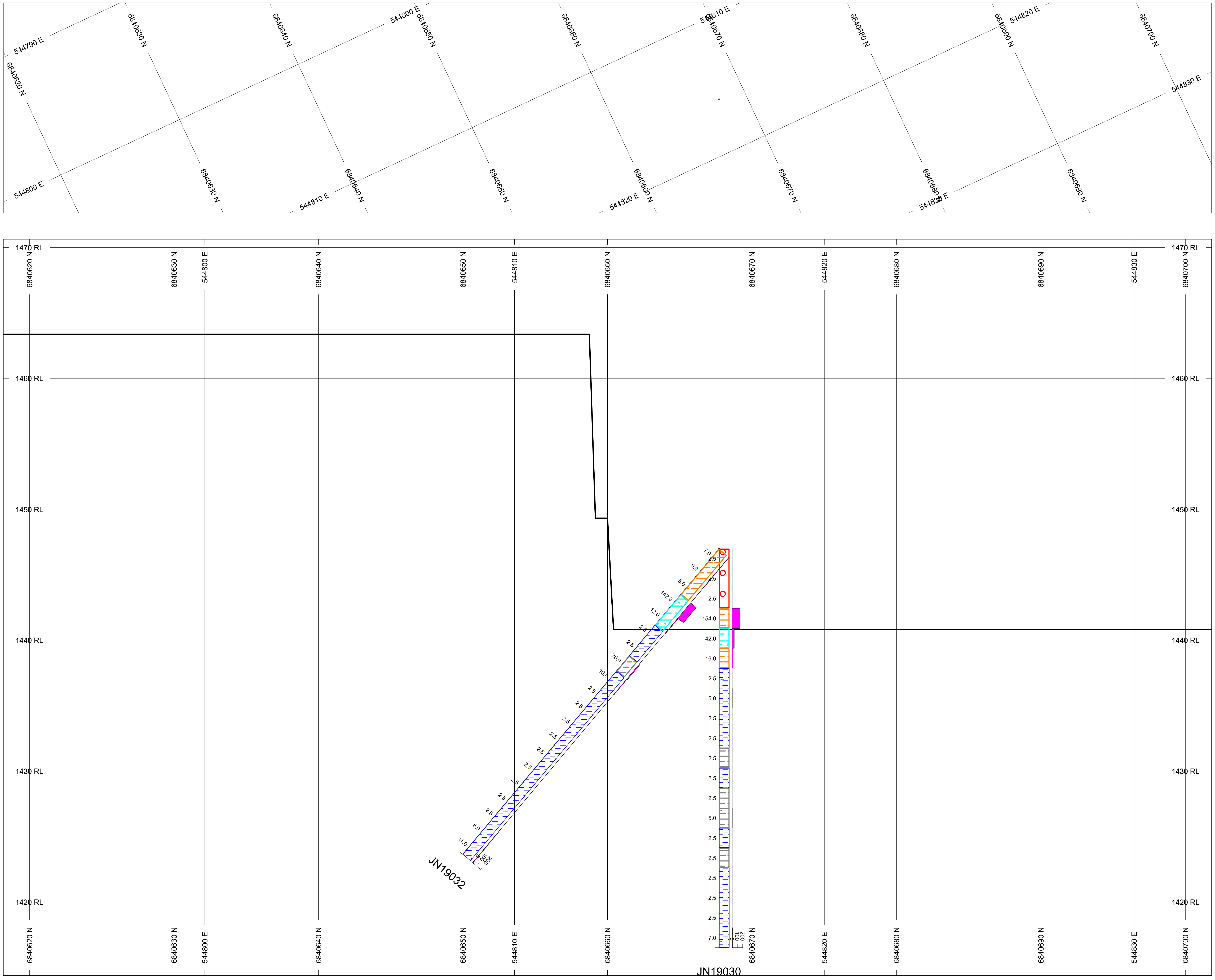
N W E S

Aben Resources Ltd.

Justin Property

Lost Ace

Section 19



TOPOGRAPHY

w001001.adf

BAR GRAPHS	L/R	COL	RANGE
au_ppb	R		Min 0 Max 1000

ROCK CODES	PAT	LABEL
lith_detail		phyllite
		QPC
		QPC_phyllite
		phyllite_QPC
		phyllite_siltstone
		siltstone_phyllite

ASSAYS	L/R	TEXT
au_ppb	L	-------

SECTION SPECS:

REF. PT. E, N	544813 m	6840660 m
EXTENTS	92.28 m	56.23 m
SECTION TOP, BOT	1471 m	1414 m
TOLERANCE +/-	12.5 m	

SCALE 1 : 200

(m)

-1 0 1 2 3 4 5 6

*unknown

AZIMUTH = 25°

N W E S

Aben Resources Ltd.

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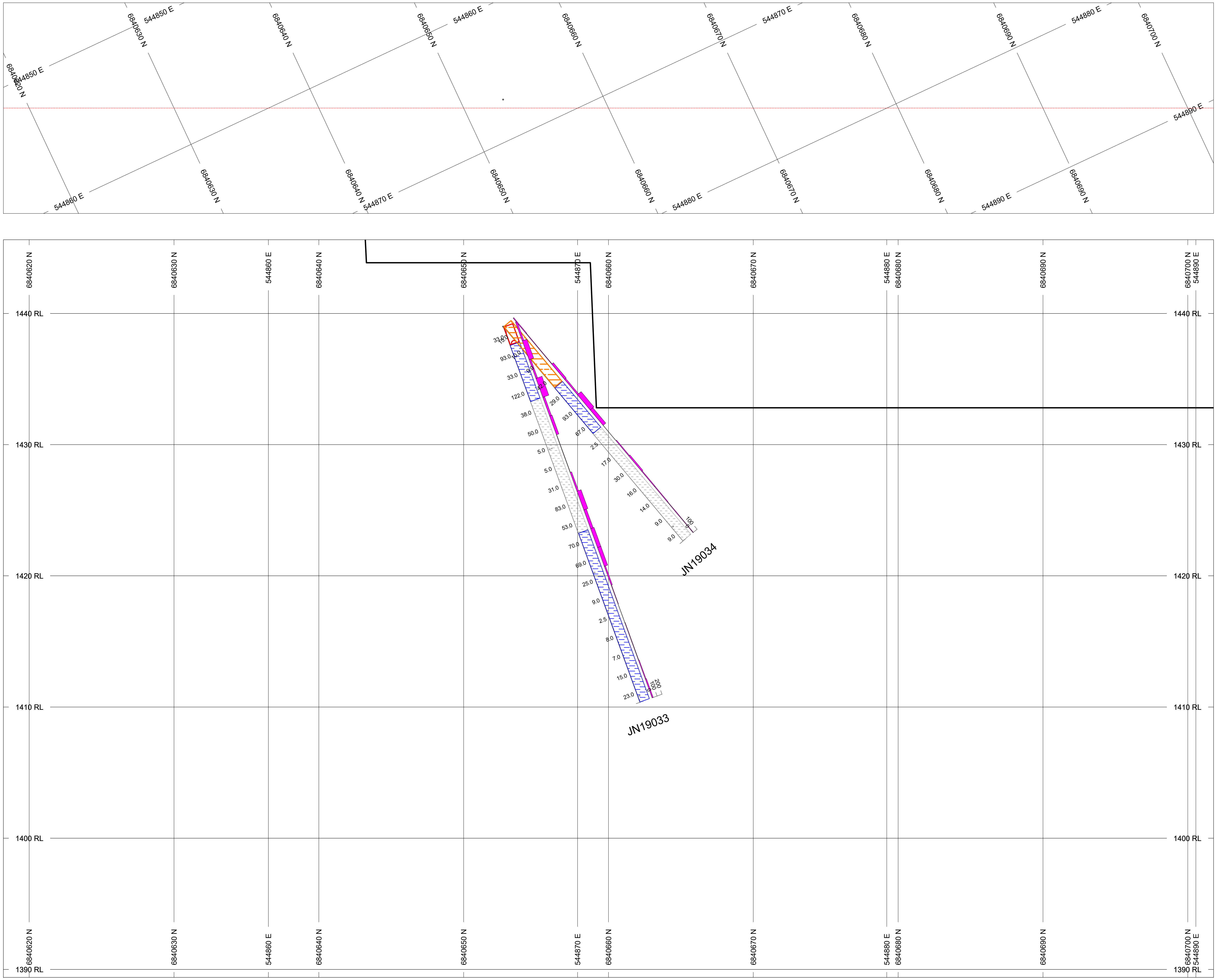
Lost Ace

Section 19



TOPOGRAPHY

w001001.adf

BAR GRAPHS	L/R	COL	RANGE
au_ppb	R		Min 0 Max 1000

ROCK CODES	PAT	LABEL	DESCRIPTION
lith_detail		siltstone	SLT
		phyllite	
		QPC	
		QPC_phyllite	

ASSAYS	L/R	TEXT
au_ppb	L	-------

SECTION SPECS:

REF. PT. E, N	544871 m	6840660 m
EXTENTS	92.28 m	56.23 m
SECTION TOP, BOT	1446 m	1389 m
TOLERANCE +/-	12.5 m	

SCALE 1 : 200

(m)

-1 0 1 2 3 4 5 6

*unknown

AZIMUTH = 25.1°

N W E S

Aben Resources Ltd.

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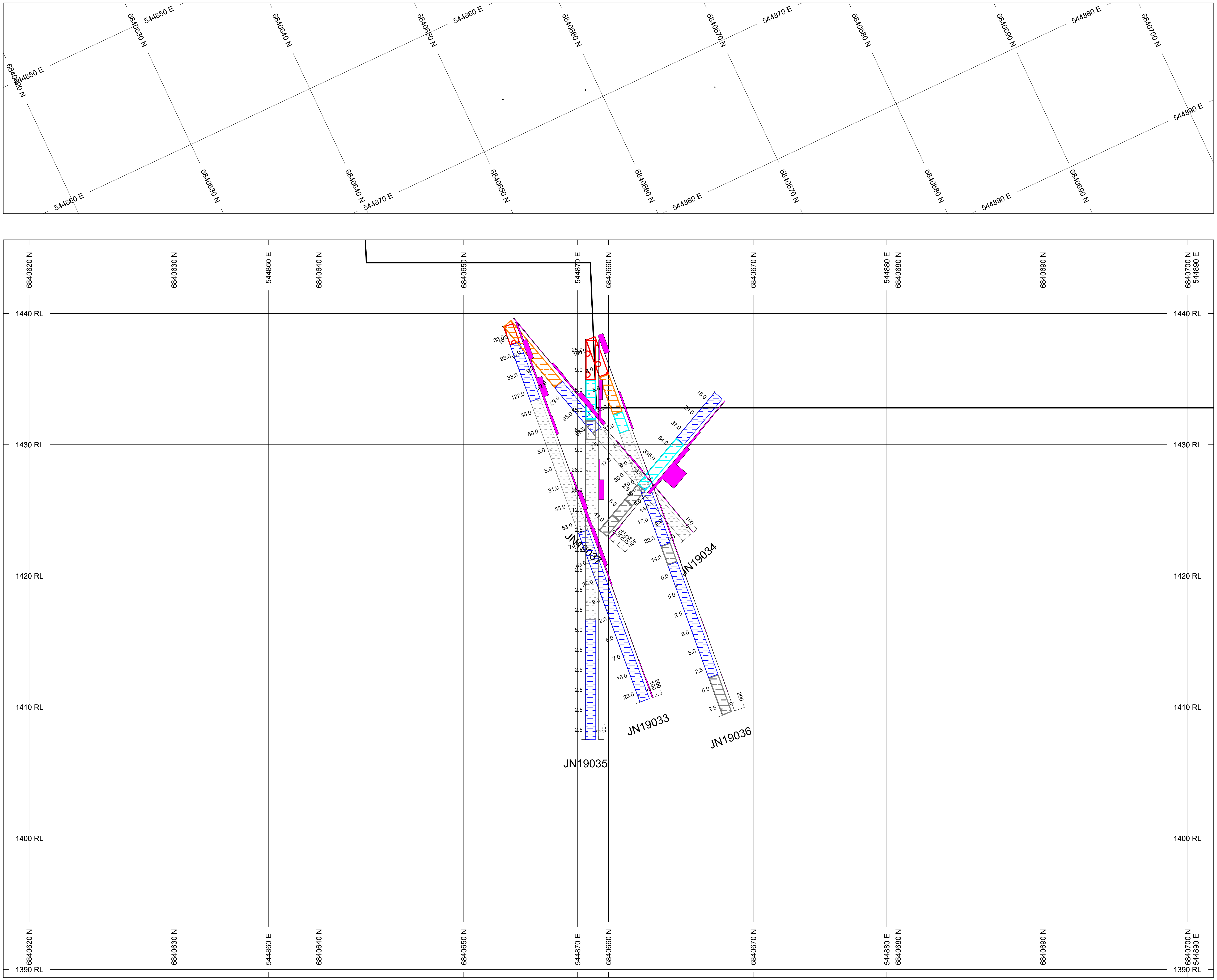
Lost Ace

Section 19



TOPOGRAPHY
w001001.adf

BAR GRAPHS	L/R	COL	RANGE
au_ppb	R		Min 0 Max 1000

ROCK CODES	PAT	LABEL	DESCRIPTION
lith_detail		siltstone	SLT
		phyllite	
		QPC	
		QPC_phyllite	
		phyllite_QPC	
		siltstone_QPC	
		phyllite_siltstone	
		siltstone_phyllite	

ASSAYS	L/R	TEXT
au_ppb	L	-------

SECTION SPECS:

REF. PT. E, N	544871 m	6840660 m
EXTENTS	92.28 m	56.23 m
SECTION TOP, BOT	1446 m	1389 m
TOLERANCE +/-	12.5 m	

SCALE 1 : 200
(m)
-1 0 1 2 3 4 5 6
*unknown

AZIMUTH = 25.1°
N
W E
S

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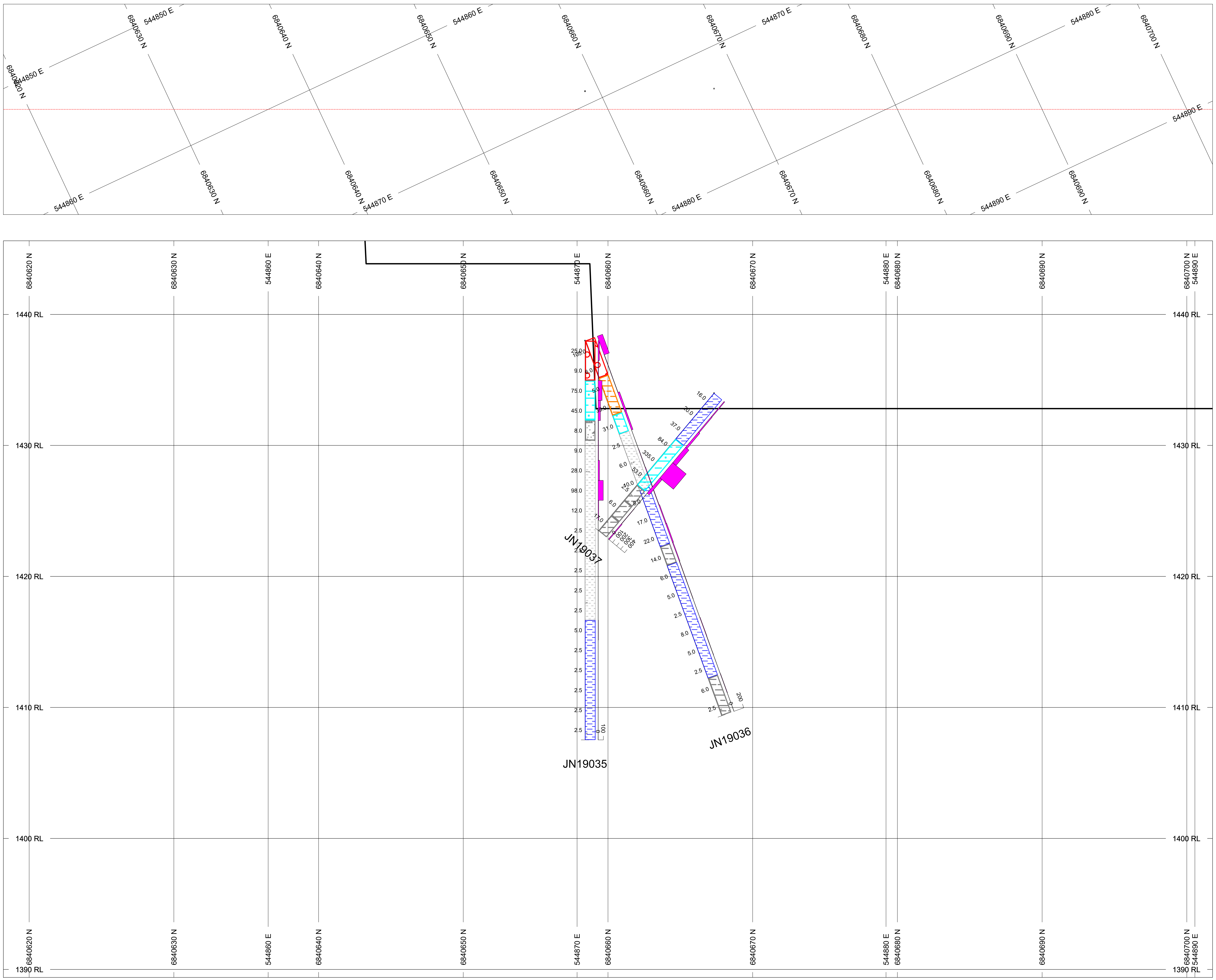
Section 19



TOPOGRAPHY
w001001.adf

BAR GRAPHS	L/R	COL	RANGE
au_ppb	R		Min 0 Max 1000

ROCK CODES	PAT	LABEL	DESCRIPTION
lith_detail		siltstone	SLT
		phyllite	
		QPC	
		QPC_phyllite	
		phyllite_QPC	
		siltstone_QPC	
		phyllite_siltstone	
		siltstone_phyllite	

ASSAYS	L/R	TEXT
au_ppb	L	-------

SECTION SPECS:

REF. PT. E, N	544871 m	6840660 m
EXTENTS	92.28 m	56.23 m
SECTION TOP, BOT	1446 m	1389 m
TOLERANCE +/-	12.5 m	

SCALE 1 : 200

(m)

-1 0 1 2 3 4 5 6

*unknown

AZIMUTH = 25.1°

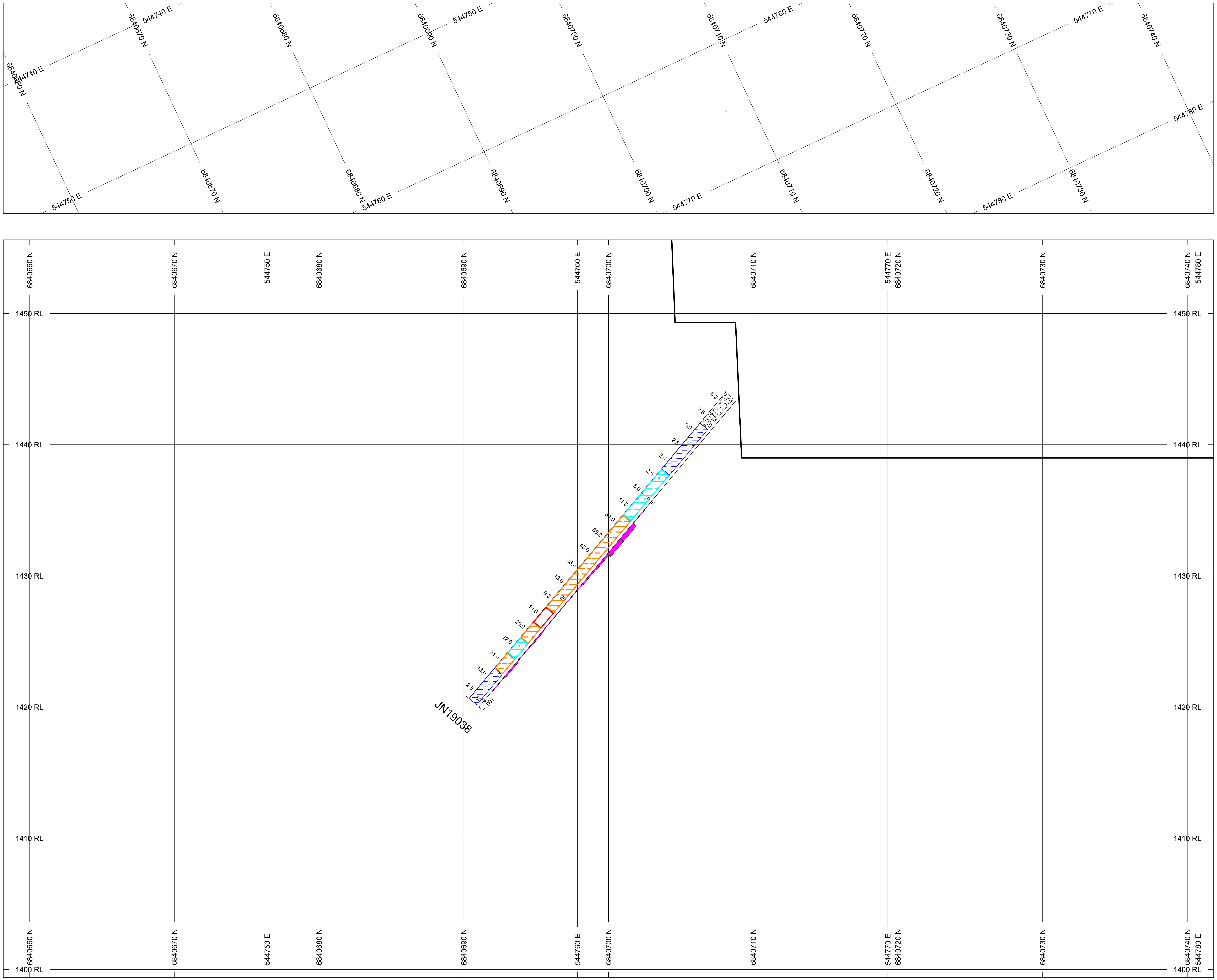
N W E S

Aben Resources Ltd.

Justin Property

Lost Ace

Section 19



TOPOGRAPHY

w001001.adf

BAR GRAPHS	L/R	COL	RANGE
au_ppb	R		Min 0 Max 1000

ROCK CODES	PAT	LABEL	DESCRIPTION
lith_detail		overburden	OVB
		phyllite	
		QPC	
		QPC_phyllite	
		phyllite_QPC	

ASSAYS	L/R	TEXT
au_ppb	L	-------

SECTION SPECS:

REF. PT. E, N	544761 m	6840700 m
EXTENTS	92.28 m	56.23 m
SECTION TOP, BOT	1456 m	1399 m
TOLERANCE +/-	12.5 m	

SCALE 1 : 200

(m)

-1 0 1 2 3 4 5 6

*unknown

AZIMUTH = 25°

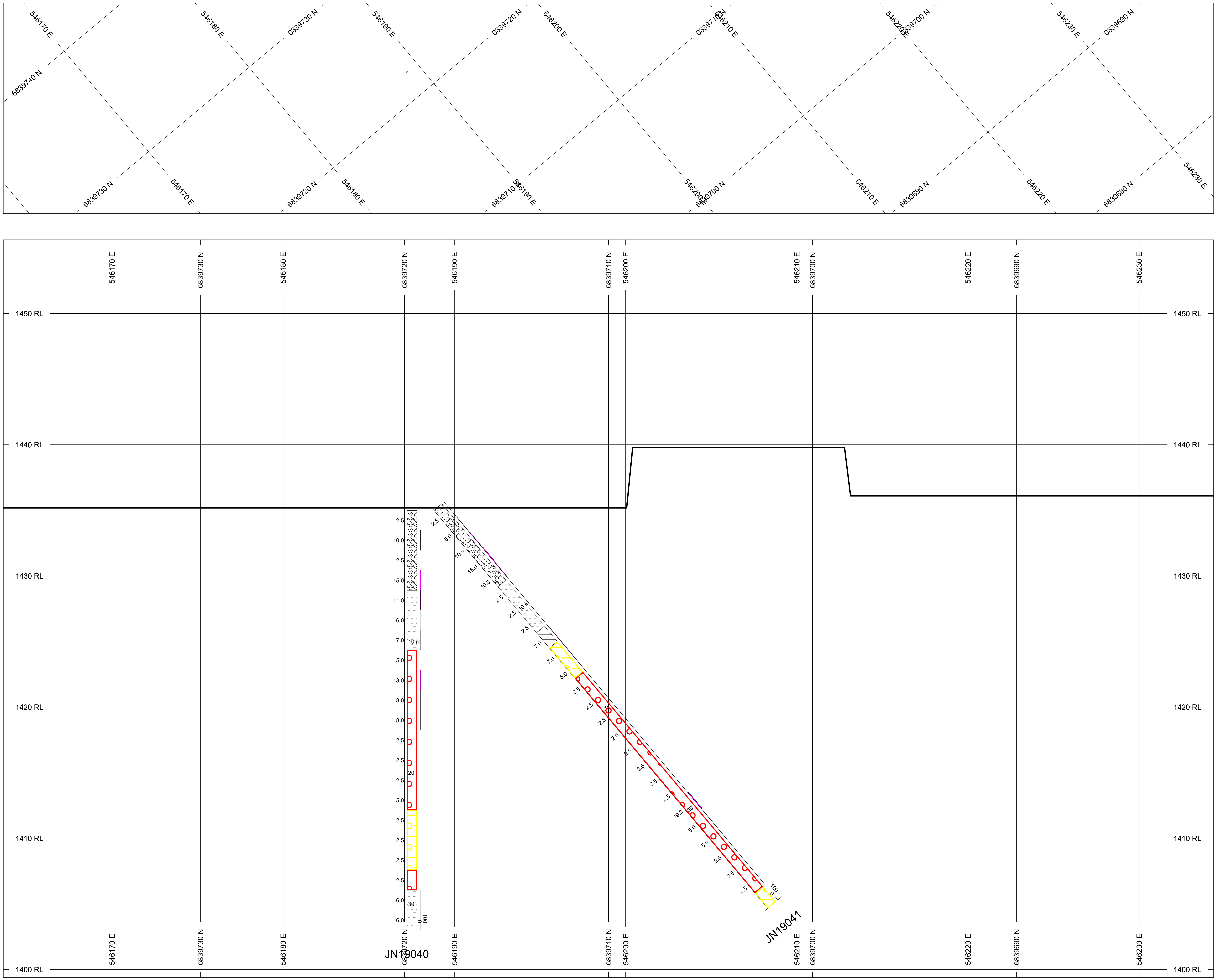
N W E S

Aben Resources Ltd.

Justin Property

Lost Ace

Section 19



TOPOGRAPHY

w001001.adf

BAR GRAPHS	L/R	COL	RANGE
au_ppb	R		Min 0 Max 1000

ROCK CODES	PAT	LABEL	DESCRIPTION
lith_detail		overburden	OVB
		siltstone	SLT
		QPC	
		QPC-siltstone	
		siltstone-QPC	

ASSAYS	L/R	TEXT
au_ppb	L	-------

SECTION SPECS:

REF. PT. E, N	546199 m	6839710 m
EXTENTS	92.28 m	56.23 m
SECTION TOP, BOT	1456 m	1399 m
TOLERANCE +/-	12.5 m	

SCALE 1 : 200

(m)

-1 0 1 2 3 4 5 6

*unknown

AZIMUTH = 130°

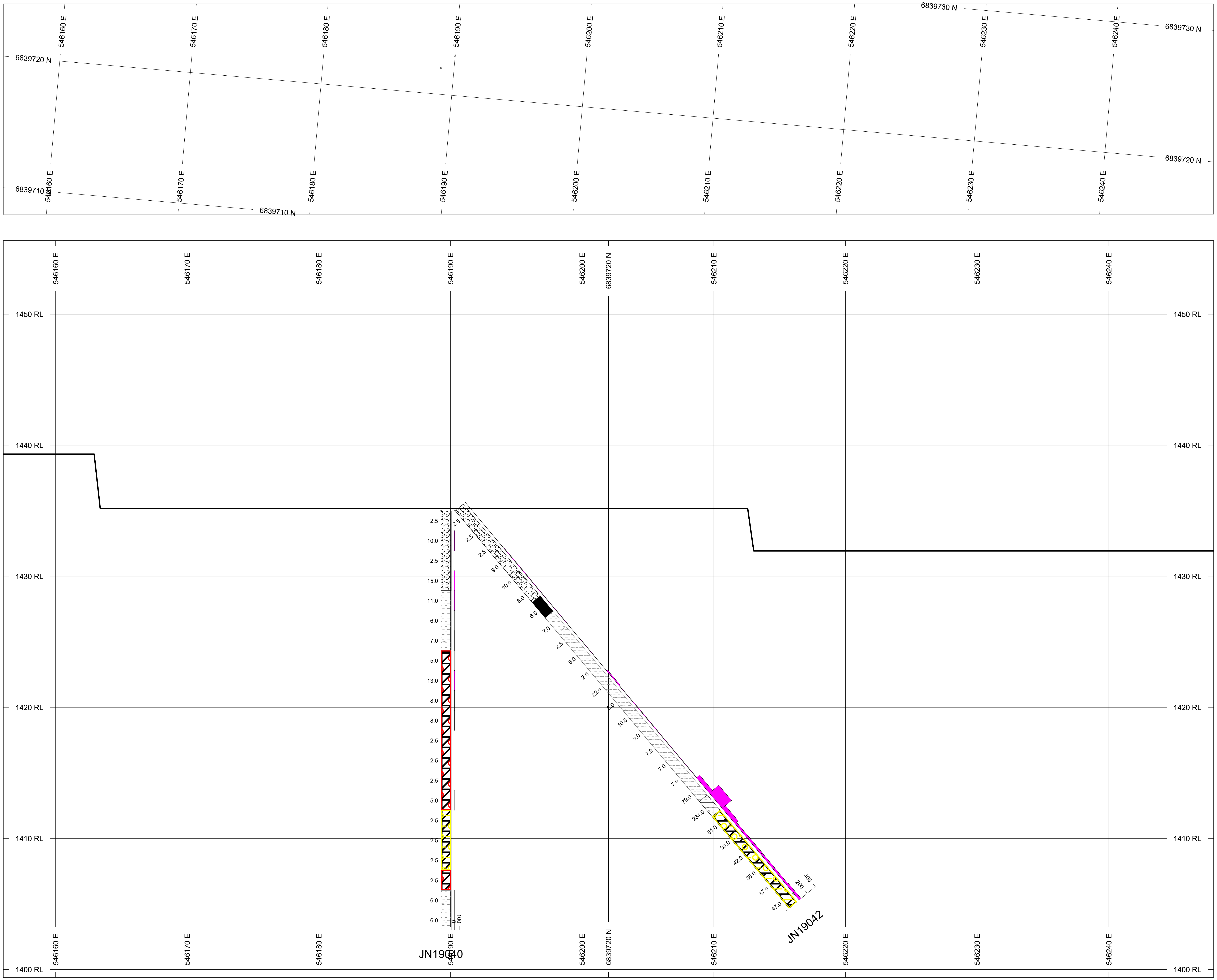
N W E S

Aben Resources Ltd.

Justin Property

POW Zone

Section 19



TOPOGRAPHY

w001001.adf

BAR GRAPHS	L/R	COL	RANGE
au_ppb	R		Min 0 Max 1000

ROCK CODES	PAT	LABEL	DESCRIPTION
lith_detail		overburden	OVB
		siltstone	SLT
		QPC	
		QPC-siltstone	
		overburden-siltstone	
		siltstone-QPC	

ASSAYS	L/R	TEXT
au_ppb	L	-------

SECTION SPECS:

REF. PT. E, N	546202 m	6839720 m
EXTENTS	92.28 m	56.23 m
SECTION TOP, BOT	1456 m	1399 m
TOLERANCE +/-	12.5 m	

SCALE 1 : 200

(m)

-1 0 1 2 3 4 5 6

*unknown

AZIMUTH = 85°

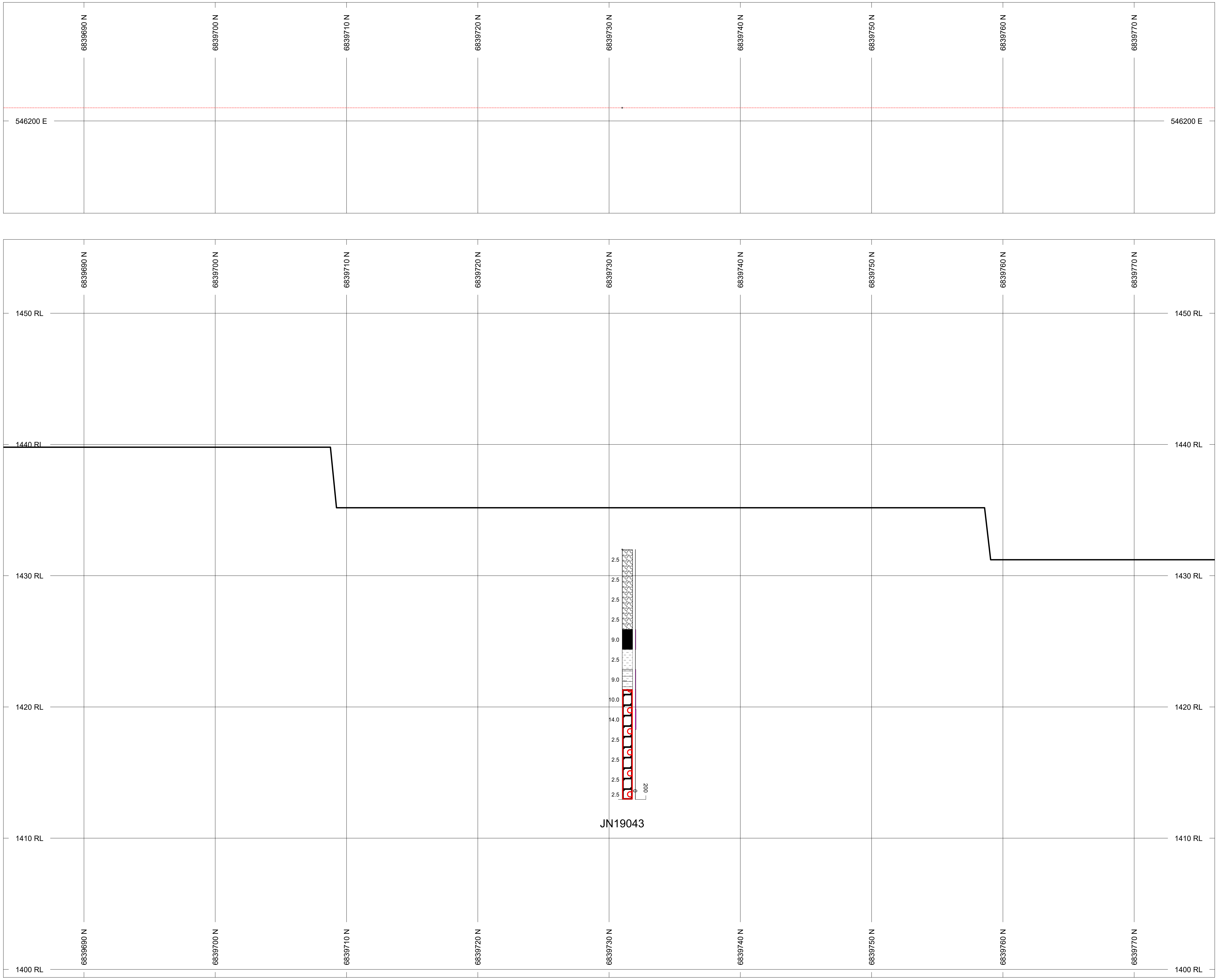
N W E S

Aben Resources Ltd.

Justin Property

POW Zone

Section 19



TOPOGRAPHY

w001001.adf

BAR GRAPHS	L/R	COL	RANGE
au_ppb	R		Min 0 Max 1000

ROCK CODES	PAT	LABEL	DESCRIPTION
lith_detail		overburden	OVB
		siltstone	SLT
		QPC	
		overburden-siltstone	
		siltstone-QPC	

ASSAYS	L/R	TEXT
au_ppb	L	-------

SECTION SPECS:

REF. PT. E, N	546199 m	6839730 m
EXTENTS	92.28 m	56.23 m
SECTION TOP, BOT	1456 m	1399 m
TOLERANCE +/-	12.5 m	

SCALE 1 : 200

(m)

-1 0 1 2 3 4 5 6

*unknown

AZIMUTH = 0°

N

W E

S

Aben Resources Ltd.

Justin Property

POW Zone

Section 19

Appendix VI

Certificate of Analysis

ALS Canada Ltd.

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

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

Finalized Date: 24-JUN-2019
This copy reported on 5-FEB-2020
Account: TELOEX

WH19143855

Project: Justin 2019 Field Program

P.O. No.: JN2019-1

This report is for 58 Soil samples submitted to our lab in Whitehorse, YT, Canada on 13-JUN-2019.

The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

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

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:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.

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

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

Finalized Date: 24-JUN-2019
Account: TELOEX

Project: Justin 2019 Field Program

CERTIFICATE OF ANALYSIS WH19143855

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
JNL054 00+00	0.30	0.0041	0.33	1.26	48.8	<0.02	<10	40	0.32	0.42	0.16	0.51	23.8	6.0	19
JNL054 00+50S	0.25	0.0048	0.94	0.73	49.5	<0.02	<10	30	0.25	0.30	0.05	0.27	26.4	3.6	12
JNL054 01+00S	0.57	0.0099	0.52	1.00	109.0	0.02	<10	40	0.55	0.57	0.23	0.51	50.4	8.8	17
JNL054 01+50S	0.40	0.0067	0.24	0.64	114.0	<0.02	<10	30	0.33	0.45	0.04	0.42	49.8	4.4	11
JNL054 02+00S	0.36	0.0056	0.64	0.95	58.7	<0.02	<10	50	0.51	0.48	0.31	0.82	41.0	6.4	15
JNL054 02+50S	0.33	0.0066	0.81	1.14	46.0	<0.02	<10	40	0.42	0.44	0.09	0.44	33.8	4.7	16
JNL054 03+00S	0.26	0.0097	1.23	1.08	58.5	<0.02	<10	60	0.76	0.57	0.44	2.20	41.3	10.0	16
JNL054 03+50S	0.29	0.0028	0.53	0.49	22.6	<0.02	<10	30	0.17	0.23	0.30	0.85	17.75	2.8	8
JNL054 04+00S	0.30	0.0093	0.46	0.97	52.2	<0.02	<10	40	0.59	0.46	0.38	0.97	42.4	9.1	14
JNL054 04+50S	0.52	0.0086	0.99	0.92	49.8	<0.02	<10	50	0.52	0.57	0.78	3.53	35.7	7.6	12
JNL054 05+00s	0.32	0.0064	1.14	0.84	129.0	<0.02	<10	60	0.37	0.69	0.86	1.00	24.8	5.5	11
JNL054 05+50s	0.30	0.0045	0.43	0.61	32.1	<0.02	<10	50	0.32	0.30	0.65	1.05	18.25	3.2	7
JNL054 06+00S	0.44	0.0090	0.45	0.70	78.2	<0.02	<10	50	0.50	0.72	0.23	0.44	44.8	9.1	9
JNL054 06+00SD	0.44	0.0088	0.36	0.66	76.5	<0.02	<10	50	0.48	0.70	0.21	0.44	44.7	8.1	9
JNL054 06+50S	0.66	0.0083	0.36	0.81	64.8	<0.02	<10	30	0.28	0.54	0.02	0.19	37.5	6.1	13
JNL054 07+00S	0.71	0.0057	0.43	0.88	85.9	<0.02	<10	20	0.35	0.71	0.01	0.14	46.9	8.6	13
JNL054 07+50S	0.61	0.0032	0.20	1.50	41.9	<0.02	<10	40	0.64	0.64	0.01	0.20	54.8	10.0	16
JNL054 08+00S	0.50	0.0043	0.32	1.20	62.5	<0.02	<10	40	0.57	0.91	0.01	0.27	52.5	11.8	15
JNL054 08+50S	0.47	0.0023	0.26	0.75	51.6	<0.02	<10	30	0.29	0.63	0.01	0.60	48.3	5.0	10
JNL054 09+00S	0.60	0.0056	0.34	1.00	54.1	<0.02	<10	20	0.44	0.96	0.01	0.46	53.5	7.3	12
JNL054 09+50S	0.51	0.0046	0.68	1.21	221	<0.02	<10	30	0.53	1.20	0.01	0.35	63.8	8.6	15
JNL054 10+00S	0.55	0.0032	0.51	0.64	67.5	<0.02	<10	20	0.24	0.57	0.01	0.23	48.9	4.8	11
JNL054 10+50S	0.64	0.0027	0.78	0.66	42.1	<0.02	<10	30	0.26	0.60	0.01	0.25	45.3	4.7	10
JNL054 11+00S	0.48	0.0019	0.89	0.70	52.0	<0.02	<10	20	0.19	0.49	0.01	0.32	34.2	3.4	8
JNL054 11+50S	0.49	0.0017	0.66	0.43	20.1	<0.02	<10	20	0.16	0.38	0.01	0.13	37.3	2.8	6
JNL054 12+00S	0.50	0.0029	0.31	0.78	64.4	<0.02	<10	40	0.35	0.48	0.36	1.04	32.4	7.1	10
JNL054 12+50S	0.45	0.0041	0.21	0.72	39.7	<0.02	<10	20	0.41	0.52	0.02	0.83	65.3	12.3	16
JNL054 13+00S	0.35	0.0013	0.58	0.38	4.7	<0.02	<10	10	0.13	0.06	0.02	0.29	7.86	1.1	4
JNL054 13+50S	0.54	0.0089	0.45	0.93	93.1	<0.02	<10	30	0.55	0.57	0.09	1.41	55.3	9.7	13
JNL054 14+00S	0.52	0.0136	0.91	0.77	149.5	<0.02	<10	30	0.41	0.48	0.05	1.25	46.5	6.6	13
JNL055 00+00	0.57	0.0030	0.25	1.14	32.5	<0.02	<10	30	0.26	0.36	0.03	0.16	32.7	3.5	15
JNL055 00+50S	0.42	0.0053	1.48	1.52	34.7	<0.02	<10	50	0.92	0.44	0.20	2.51	38.6	18.6	15
JNL055 01+00S	0.59	0.0034	0.43	0.46	27.3	<0.02	<10	10	0.11	0.21	0.05	0.08	32.5	2.6	7
JNL055 01+50S	0.73	0.0424	0.29	1.23	57.7	<0.02	<10	30	0.39	0.53	0.06	0.71	44.6	9.2	19
JNL055 02+00S	0.44	0.0128	2.00	1.22	63.9	<0.02	<10	70	0.58	0.67	0.26	2.51	36.9	7.5	16
JNL055 02+50S	0.49	0.0080	1.05	0.87	43.6	<0.02	<10	40	0.55	0.48	0.43	2.14	29.7	10.5	14
JNL055 03+00S	0.43	0.0006	0.59	0.48	3.8	<0.02	<10	20	0.27	0.14	0.27	0.08	4.19	2.7	4
JNL055 03+50S	0.47	0.0101	1.88	1.32	87.6	<0.02	<10	60	0.76	0.62	0.72	0.42	19.00	9.0	10
JNL055 04+00S	0.45	0.0045	0.93	0.70	51.1	<0.02	<10	40	0.35	1.03	0.45	1.14	38.4	8.2	12
JNL055 04+50S	0.62	0.0070	1.09	0.53	38.4	<0.02	<10	40	0.25	5.51	0.10	7.12	58.8	4.0	8

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

ALS Canada Ltd.

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

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

Finalized Date: 24-JUN-2019
Account: TELOEX

Project: Justin 2019 Field Program

CERTIFICATE OF ANALYSIS WH19143855

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
JNL054 00+00		2.57	17.6	2.95	5.12	<0.05	<0.02	0.02	0.079	0.09	12.8	27.3	0.34	281	0.23	0.02
JNL054 00+50S		2.16	14.5	1.58	2.53	<0.05	<0.02	0.07	0.053	0.06	13.9	11.4	0.14	83	0.30	0.01
JNL054 01+00S		2.75	29.9	3.50	3.24	0.08	0.02	0.03	0.094	0.07	26.9	27.4	0.27	271	0.49	0.01
JNL054 01+50S		1.94	18.6	2.34	2.49	0.07	<0.02	0.02	0.058	0.05	25.7	10.9	0.14	108	0.46	0.01
JNL054 02+00S		2.13	21.0	2.70	3.33	0.06	0.02	0.03	0.108	0.08	22.1	19.6	0.25	202	0.32	0.01
JNL054 02+50S		2.46	15.7	2.62	3.88	0.05	0.02	0.03	0.137	0.10	16.5	21.2	0.22	139	0.27	0.01
JNL054 03+00S		3.76	32.9	3.39	3.04	0.08	0.09	0.04	0.457	0.08	23.8	20.9	0.20	357	0.35	0.01
JNL054 03+50S		0.86	9.4	1.48	2.08	<0.05	0.02	0.02	0.049	0.05	9.4	8.3	0.11	77	0.21	0.02
JNL054 04+00S		1.53	22.9	3.14	2.92	0.07	0.07	0.03	0.116	0.08	24.3	22.5	0.24	279	0.24	0.01
JNL054 04+50S		1.65	21.5	2.93	2.76	0.06	0.10	0.03	0.181	0.06	19.6	19.5	0.22	238	0.29	0.01
JNL054 05+00s		2.27	20.6	3.09	2.97	<0.05	0.08	0.03	0.150	0.06	13.5	13.6	0.17	210	0.40	0.01
JNL054 05+50s		1.68	13.5	1.33	2.20	<0.05	0.04	0.03	0.076	0.05	10.5	6.7	0.09	101	0.30	0.02
JNL054 06+00S		2.24	20.6	3.10	2.31	0.06	0.04	0.03	0.168	0.06	23.5	11.2	0.13	560	0.30	0.01
JNL054 06+00SD		2.07	19.8	3.05	2.26	0.06	0.03	0.02	0.152	0.06	23.0	11.0	0.14	449	0.30	0.01
JNL054 06+50S		1.88	19.1	3.20	3.85	0.05	<0.02	0.01	0.054	0.05	19.9	12.1	0.19	183	0.44	0.01
JNL054 07+00S		2.56	30.7	3.82	3.69	0.06	<0.02	0.01	0.044	0.05	25.3	14.3	0.21	281	0.40	0.01
JNL054 07+50S		6.62	31.0	3.56	4.83	0.06	0.02	0.01	0.054	0.06	30.0	35.4	0.35	404	0.52	0.01
JNL054 08+00S		5.51	30.8	4.38	4.45	0.07	<0.02	0.02	0.053	0.05	28.8	25.7	0.32	614	0.62	0.01
JNL054 08+50S		3.59	16.1	2.82	4.32	0.06	<0.02	0.02	0.052	0.04	26.2	8.8	0.13	193	0.53	0.01
JNL054 09+00S		2.03	26.1	3.45	3.53	0.06	0.02	0.01	0.037	0.03	29.9	24.1	0.31	330	0.49	0.01
JNL054 09+50S		5.82	34.2	4.15	4.03	0.07	0.02	0.02	0.102	0.05	34.0	28.2	0.35	325	0.68	0.01
JNL054 10+00S		4.28	19.9	2.37	4.16	0.06	<0.02	0.02	0.076	0.04	25.8	5.5	0.08	167	0.71	0.01
JNL054 10+50S		3.58	20.1	2.94	4.70	0.05	<0.02	0.02	0.060	0.04	23.7	6.2	0.10	276	0.63	0.01
JNL054 11+00S		2.40	12.9	2.07	3.15	0.05	<0.02	0.03	0.087	0.04	18.2	8.0	0.13	122	0.43	0.01
JNL054 11+50S		1.84	9.4	1.56	2.26	<0.05	<0.02	0.01	0.029	0.04	19.4	1.8	0.03	160	0.61	0.01
JNL054 12+00S		4.56	13.8	2.37	2.70	0.05	0.04	0.02	0.090	0.05	16.8	11.5	0.14	305	0.59	0.01
JNL054 12+50S		2.19	28.3	3.74	3.15	0.08	<0.02	0.02	0.042	0.04	35.4	10.2	0.18	764	0.92	0.01
JNL054 13+00S		0.60	3.2	0.52	1.59	<0.05	<0.02	0.02	0.008	0.02	4.6	0.6	0.01	76	0.38	0.03
JNL054 13+50S		2.30	21.8	3.44	3.17	0.07	<0.02	0.01	0.079	0.06	28.3	16.1	0.24	687	0.56	0.01
JNL054 14+00S		2.04	19.4	2.93	2.82	0.06	<0.02	0.02	0.100	0.05	24.9	12.0	0.19	365	0.81	0.01
JNL055 00+00		2.17	12.0	2.19	5.06	0.05	<0.02	0.03	0.051	0.06	16.3	15.2	0.21	111	0.37	0.01
JNL055 00+50S		2.44	23.2	3.05	3.98	0.07	0.05	0.03	0.164	0.06	22.5	27.4	0.22	1140	0.52	0.02
JNL055 01+00S		2.17	7.5	0.96	3.32	<0.05	<0.02	0.01	0.033	0.03	17.2	2.1	0.03	71	0.58	0.01
JNL055 01+50S		2.19	30.4	4.32	4.34	0.06	<0.02	0.02	0.120	0.07	20.6	22.3	0.32	202	0.41	0.01
JNL055 02+00S		5.29	34.5	3.32	3.83	0.06	0.04	0.05	0.921	0.10	20.6	15.1	0.19	330	0.42	0.01
JNL055 02+50S		6.84	37.8	2.79	2.65	0.05	0.04	0.04	0.575	0.07	16.9	13.0	0.17	320	0.35	0.01
JNL055 03+00S		4.02	8.9	0.90	2.37	<0.05	0.02	0.03	0.018	0.03	2.4	3.8	0.07	109	0.21	0.03
JNL055 03+50S		8.76	30.6	2.82	3.44	0.06	0.18	0.06	0.183	0.07	13.7	10.5	0.12	628	0.52	0.03
JNL055 04+00S		4.82	27.8	3.27	3.28	0.06	0.06	0.02	0.264	0.05	20.8	10.7	0.16	273	0.62	0.02
JNL055 04+50S		5.52	32.3	2.39	2.53	0.07	<0.02	0.02	0.130	0.05	35.3	7.2	0.06	182	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: 24-JUN-2019
Account: TELOEX

Project: Justin 2019 Field Program

CERTIFICATE OF ANALYSIS WH19143855

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
JNL054 00+00		0.43	21.7	570	43.5	14.4	<0.001	0.02	3.11	1.2	0.2	0.8	16.9	<0.01	0.02	1.3
JNL054 00+50S		0.29	12.9	780	138.0	9.8	<0.001	0.05	1.99	0.7	<0.2	0.6	6.7	<0.01	0.02	1.2
JNL054 01+00S		0.28	25.5	540	106.0	9.7	<0.001	0.02	3.60	1.9	<0.2	0.8	20.4	<0.01	0.03	7.8
JNL054 01+50S		0.13	14.9	480	79.0	7.0	<0.001	0.02	3.10	1.0	<0.2	0.7	7.7	<0.01	0.02	5.2
JNL054 02+00S		0.29	19.9	710	86.2	9.5	<0.001	0.05	3.15	1.3	0.2	0.7	20.0	<0.01	0.02	3.2
JNL054 02+50S		0.36	16.4	720	84.9	12.0	<0.001	0.05	2.27	1.3	<0.2	0.8	10.2	<0.01	0.02	3.0
JNL054 03+00S		0.22	23.9	650	230	10.0	<0.001	0.06	3.58	2.5	0.5	0.9	24.7	<0.01	0.02	8.2
JNL054 03+50S		0.26	9.2	390	27.7	4.7	<0.001	0.06	1.50	0.8	<0.2	0.4	22.1	<0.01	0.02	2.1
JNL054 04+00S		0.32	22.4	610	93.6	8.1	<0.001	0.06	2.70	2.1	0.2	0.6	24.3	<0.01	0.02	8.7
JNL054 04+50S		0.29	18.0	700	159.5	8.9	<0.001	0.08	2.56	1.8	0.5	1.0	39.0	0.01	0.02	5.1
JNL054 05+00s		0.30	12.9	1020	126.5	9.5	<0.001	0.09	3.00	1.3	0.4	1.0	61.1	<0.01	0.03	4.4
JNL054 05+50s		0.35	8.3	830	77.0	5.9	<0.001	0.09	1.56	0.6	0.2	0.6	52.9	<0.01	0.01	1.3
JNL054 06+00S		0.12	13.9	660	204	8.6	<0.001	0.05	3.38	1.3	<0.2	0.8	20.1	<0.01	0.03	5.4
JNL054 06+00SD		0.11	14.0	620	173.5	8.1	<0.001	0.05	3.47	1.2	0.3	0.7	18.4	<0.01	0.02	5.4
JNL054 06+50S		0.35	16.6	550	42.9	6.7	<0.001	0.04	2.26	0.8	<0.2	0.7	4.4	<0.01	0.03	1.9
JNL054 07+00S		0.29	21.3	490	34.1	7.8	<0.001	0.04	2.46	1.2	<0.2	0.7	3.3	<0.01	0.02	4.3
JNL054 07+50S		0.36	18.3	550	34.6	10.1	<0.001	0.05	1.72	1.0	<0.2	0.7	4.9	<0.01	0.02	3.1
JNL054 08+00S		0.27	20.8	600	45.2	8.2	<0.001	0.04	2.90	1.4	0.2	0.7	3.7	<0.01	0.03	6.8
JNL054 08+50S		0.25	13.2	630	29.2	8.0	<0.001	0.04	1.90	0.6	<0.2	1.1	5.2	<0.01	0.02	1.5
JNL054 09+00S		0.12	20.4	460	26.2	3.6	<0.001	0.04	3.90	1.2	<0.2	0.5	4.2	<0.01	0.02	4.5
JNL054 09+50S		0.24	20.7	480	67.5	9.1	<0.001	0.03	3.10	1.3	0.2	1.5	5.2	<0.01	0.02	7.3
JNL054 10+00S		0.19	12.2	790	77.6	8.0	<0.001	0.04	2.11	0.4	<0.2	1.2	7.4	<0.01	0.02	1.0
JNL054 10+50S		0.19	10.3	790	71.4	7.2	<0.001	0.04	1.72	0.3	<0.2	0.8	7.9	<0.01	0.02	0.6
JNL054 11+00S		0.21	8.8	620	226	9.1	<0.001	0.04	1.50	0.5	0.2	1.2	4.5	<0.01	0.02	0.9
JNL054 11+50S		0.24	7.2	360	40.9	8.6	<0.001	0.04	1.49	0.5	<0.2	0.5	3.6	<0.01	0.02	1.6
JNL054 12+00S		0.25	12.4	730	111.5	9.9	<0.001	0.09	2.51	1.1	0.4	0.7	34.1	<0.01	0.02	3.3
JNL054 12+50S		0.17	23.9	570	96.1	7.1	<0.001	0.04	2.98	1.3	<0.2	0.6	6.6	0.01	0.02	5.0
JNL054 13+00S		0.19	2.8	320	20.0	1.9	<0.001	0.05	0.35	0.2	<0.2	0.2	5.0	<0.01	<0.01	<0.2
JNL054 13+50S		0.21	18.8	700	306	8.0	<0.001	0.04	3.01	1.6	0.2	1.1	12.7	<0.01	0.03	5.7
JNL054 14+00S		0.19	16.4	560	472	7.2	<0.001	0.03	4.80	1.3	<0.2	1.2	9.5	0.01	0.02	5.2
JNL055 00+00		0.44	11.7	520	39.9	9.7	<0.001	0.03	1.75	0.6	0.2	0.8	5.9	<0.01	0.02	0.6
JNL055 00+50S		0.32	48.7	980	187.5	11.2	<0.001	0.09	2.06	1.4	0.5	0.6	16.8	<0.01	0.02	2.5
JNL055 01+00S		0.17	7.1	530	51.5	6.9	<0.001	0.02	1.01	0.3	<0.2	0.7	8.3	<0.01	0.02	0.7
JNL055 01+50S		0.31	31.3	600	134.5	9.5	<0.001	0.03	2.82	1.8	0.2	0.6	9.3	<0.01	0.02	5.4
JNL055 02+00S		0.23	59.5	800	489	12.9	<0.001	0.05	4.99	1.7	<0.2	1.6	18.9	<0.01	0.03	4.2
JNL055 02+50S		0.12	41.2	570	230	9.6	<0.001	0.08	3.68	2.0	0.4	0.8	23.3	<0.01	0.01	4.8
JNL055 03+00S		0.37	4.3	440	15.8	2.1	<0.001	0.06	0.52	0.4	0.2	0.2	14.1	<0.01	0.02	0.2
JNL055 03+50S		0.40	16.5	1070	208	10.3	0.001	0.08	4.26	1.8	0.2	1.0	30.0	0.01	0.02	3.2
JNL055 04+00S		0.34	19.1	680	392	10.3	0.001	0.04	3.57	1.5	<0.2	2.9	23.4	0.01	0.04	6.1
JNL055 04+50S		0.10	14.0	460	332	12.2	<0.001	0.03	2.59	1.0	0.3	1.5	11.7	<0.01	0.03	5.5

***** 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: 24-JUN-2019
Account: TELOEX

Project: Justin 2019 Field Program

CERTIFICATE OF ANALYSIS WH19143855

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
JNL054 00+00		0.017	0.13	0.59	19	0.15	3.13	162	<0.5
JNL054 00+50S		0.008	0.12	0.78	10	0.17	3.44	72	<0.5
JNL054 01+00S		0.007	0.13	1.24	13	0.19	7.68	172	0.7
JNL054 01+50S		<0.005	0.12	0.75	9	0.20	3.64	103	<0.5
JNL054 02+00S		0.007	0.12	0.92	12	0.18	6.09	153	<0.5
JNL054 02+50S		0.009	0.13	0.96	15	0.18	3.79	149	0.5
JNL054 03+00S		<0.005	0.14	1.88	11	0.25	11.25	321	2.8
JNL054 03+50S		0.007	0.06	0.50	10	0.12	1.95	90	<0.5
JNL054 04+00S		0.005	0.10	1.59	11	0.18	8.43	211	1.9
JNL054 04+50S		<0.005	0.10	1.88	10	0.18	8.21	417	3.0
JNL054 05+00s		0.005	0.12	0.99	11	0.26	3.33	206	2.1
JNL054 05+50s		0.007	0.08	0.65	7	0.17	4.38	93	1.4
JNL054 06+00S		<0.005	0.13	1.02	9	0.20	5.51	134	0.9
JNL054 06+00SD		<0.005	0.11	0.91	9	0.18	4.95	139	0.9
JNL054 06+50S		0.008	0.08	0.68	14	0.16	4.07	101	<0.5
JNL054 07+00S		0.005	0.09	0.75	13	0.16	4.48	115	<0.5
JNL054 07+50S		0.006	0.10	0.84	16	0.13	4.34	93	0.6
JNL054 08+00S		0.005	0.09	0.94	14	0.49	5.13	127	0.6
JNL054 08+50S		0.006	0.07	0.63	15	0.14	3.68	102	<0.5
JNL054 09+00S		0.005	0.04	0.90	10	0.41	5.16	108	0.5
JNL054 09+50S		<0.005	0.09	0.87	12	0.12	4.72	151	0.6
JNL054 10+00S		<0.005	0.08	0.63	14	0.13	2.65	95	<0.5
JNL054 10+50S		0.008	0.07	0.65	18	0.14	2.48	89	<0.5
JNL054 11+00S		0.005	0.08	0.56	11	0.10	2.01	98	<0.5
JNL054 11+50S		0.005	0.07	0.42	10	0.11	2.07	64	<0.5
JNL054 12+00S		0.005	0.06	1.68	10	0.12	3.75	187	1.4
JNL054 12+50S		<0.005	0.07	0.78	11	0.07	4.66	295	<0.5
JNL054 13+00S		0.011	0.02	0.28	6	0.05	1.62	21	<0.5
JNL054 13+50S		<0.005	0.08	0.77	12	0.14	5.54	378	<0.5
JNL054 14+00S		<0.005	0.07	0.76	11	0.12	4.54	337	<0.5
JNL055 00+00		0.012	0.13	0.65	19	0.16	2.75	63	<0.5
JNL055 00+50S		0.006	0.17	1.26	13	0.14	14.35	276	1.4
JNL055 01+00S		0.006	0.11	0.39	12	0.21	1.93	49	<0.5
JNL055 01+50S		0.007	0.19	0.85	15	0.15	6.25	251	<0.5
JNL055 02+00S		<0.005	0.21	1.26	14	0.25	7.03	340	1.2
JNL055 02+50S		<0.005	0.12	1.39	10	0.24	7.34	229	1.3
JNL055 03+00S		0.020	0.02	0.72	11	<0.05	3.44	22	0.9
JNL055 03+50S		<0.005	0.12	1.72	9	0.20	19.55	106	5.3
JNL055 04+00S		<0.005	0.11	0.89	11	0.24	4.31	246	1.4
JNL055 04+50S		<0.005	0.16	0.98	8	0.32	6.22	380	<0.5

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

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To: TERRALOGIC EXPLORATION SERVICES INC.
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SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 24-JUN-2019
Account: TELOEX

Project: Justin 2019 Field Program

CERTIFICATE OF ANALYSIS WH19143855

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
JNL055 05+00S		0.43	0.0072	0.52	0.71	153.0	<0.02	<10	20	0.24	0.45	0.01	0.22	42.3	8.2	7
JNL055 05+50S		0.55	0.0034	0.17	0.43	98.7	<0.02	<10	30	0.44	0.76	0.01	0.20	58.6	12.0	9
JNL055 06+00S		0.58	0.0042	0.63	0.92	53.9	<0.02	<10	30	0.22	0.63	0.02	0.12	42.0	5.6	14
JNL055 06+50S		0.62	0.0033	0.30	0.98	39.3	<0.02	<10	20	0.33	0.53	0.01	0.12	47.4	7.2	12
JNL055 06+50SD		0.70	0.0024	0.23	1.00	41.2	<0.02	<10	20	0.32	0.55	0.01	0.11	51.7	7.9	13
JNL055 07+00S		0.46	0.0005	0.50	0.41	10.6	<0.02	<10	20	0.09	0.17	0.01	0.04	20.9	1.6	3
JNL055 07+50S		0.48	0.0047	0.27	1.04	65.8	<0.02	<10	30	0.34	0.75	0.01	0.41	55.5	9.3	14
JNL055 08+00S		0.61	0.0060	0.66	1.32	70.4	<0.02	<10	40	0.78	2.39	0.01	0.71	70.2	21.7	17
JNL055 08+50S		0.59	0.0044	0.69	1.57	58.7	<0.02	<10	30	0.65	1.14	0.02	0.44	62.7	17.4	20
JNL055 09+00S		0.57	0.0028	0.39	0.72	60.9	<0.02	<10	30	0.58	0.73	0.01	0.39	75.3	16.9	10
JNL055 09+50S		0.59	0.0059	1.21	0.88	76.6	<0.02	<10	30	0.45	0.66	0.01	0.37	56.5	7.9	10
JNL055 10+00S		0.51	0.0026	1.17	1.11	77.1	<0.02	<10	30	0.35	0.77	0.01	0.22	53.7	7.9	13
JNL055 10+50S		0.50	0.0012	0.27	0.68	37.1	<0.02	<10	40	0.24	0.46	0.02	0.52	54.3	4.4	7
JNL055 11+00S		0.46	0.0014	0.07	0.44	33.2	<0.02	<10	20	0.17	0.38	0.12	1.08	41.0	4.7	5
JNL055 11+50S		Empty Bag														
JNL055 12+00S		0.60	0.0033	0.53	0.48	40.8	<0.02	<10	40	0.58	0.51	0.01	1.57	80.2	14.5	8
JNL055 12+50S		0.46	0.0041	0.61	0.65	44.2	<0.02	<10	30	0.19	0.30	0.02	0.71	25.4	3.2	7
JNL055 13+00S		0.33	0.0030	0.29	0.48	13.9	<0.02	<10	30	0.22	0.17	0.03	0.45	10.25	2.5	4

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

Finalized Date: 24-JUN-2019
Account: TELOEX

Project: Justin 2019 Field Program

CERTIFICATE OF ANALYSIS WH19143855

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
JNL055 05+00S		2.82	18.4	3.05	3.00	0.05	<0.02	0.03	0.048	0.04	21.2	4.3	0.08	188	0.46	<0.01
JNL055 05+50S		4.45	35.0	3.73	2.55	0.06	<0.02	0.01	0.048	0.06	33.0	2.5	0.04	475	0.45	<0.01
JNL055 06+00S		2.77	16.7	2.88	6.68	0.05	<0.02	0.03	0.053	0.05	23.5	6.9	0.12	147	0.44	<0.01
JNL055 06+50S		4.46	23.2	3.26	4.74	0.06	0.07	0.03	0.053	0.05	25.4	14.7	0.21	293	0.43	<0.01
JNL055 06+50SD		4.40	24.9	3.53	4.87	0.06	0.02	0.02	0.048	0.05	27.0	14.2	0.21	438	0.42	<0.01
JNL055 07+00S		1.59	5.4	0.70	2.72	<0.05	<0.02	0.02	0.012	0.02	11.3	1.5	0.03	50	0.21	0.01
JNL055 07+50S		3.05	24.3	3.52	4.52	0.06	<0.02	0.03	0.098	0.06	29.5	15.7	0.26	405	0.42	<0.01
JNL055 08+00S		4.43	49.8	4.94	4.30	0.07	0.03	0.02	0.171	0.07	35.9	26.8	0.37	833	0.52	<0.01
JNL055 08+50S		5.01	43.5	5.04	4.88	0.07	0.04	0.04	0.172	0.06	31.9	33.8	0.45	626	0.66	<0.01
JNL055 09+00S		4.90	43.0	4.92	3.41	0.08	<0.02	0.03	0.083	0.04	41.5	8.5	0.15	895	0.48	<0.01
JNL055 09+50S		5.03	34.1	3.65	5.03	0.06	<0.02	0.04	0.128	0.05	28.8	8.5	0.17	238	0.52	<0.01
JNL055 10+00S		4.03	25.8	3.78	5.64	0.05	<0.02	0.03	0.099	0.06	28.9	11.7	0.16	445	0.54	<0.01
JNL055 10+50S		2.54	15.1	1.96	4.57	0.05	<0.02	0.01	0.056	0.05	28.4	4.2	0.07	179	0.46	<0.01
JNL055 11+00S		1.43	13.0	1.53	3.70	<0.05	<0.02	0.01	0.047	0.04	21.7	1.8	0.03	181	0.45	<0.01
JNL055 11+50S																
JNL055 12+00S		5.30	28.8	3.73	2.18	0.07	<0.02	0.03	0.038	0.07	45.5	1.8	0.03	990	0.55	<0.01
JNL055 12+50S		1.69	8.7	1.59	3.24	<0.05	<0.02	0.04	0.031	0.05	13.6	4.0	0.08	192	0.42	<0.01
JNL055 13+00S		1.86	6.9	1.02	1.94	<0.05	<0.02	0.04	0.020	0.05	6.0	2.0	0.04	330	0.23	0.01

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SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 24-JUN-2019
Account: TELOEX

Project: Justin 2019 Field Program

CERTIFICATE OF ANALYSIS WH19143855

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
JNL055 05+00S		0.18	21.3	660	49.5	9.6	<0.001	0.02	4.22	0.8	0.2	0.5	3.5	<0.01	0.03	2.4
JNL055 05+50S		0.09	28.2	620	51.3	10.6	<0.001	0.01	2.89	1.3	<0.2	0.4	5.4	<0.01	0.04	5.4
JNL055 06+00S		0.84	14.5	650	37.8	8.7	<0.001	0.01	2.53	1.3	0.3	1.3	4.4	<0.01	0.03	3.7
JNL055 06+50S		0.24	16.6	880	34.8	8.9	<0.001	0.02	2.23	0.8	0.2	0.6	3.8	<0.01	0.02	2.7
JNL055 06+50SD		0.25	16.4	950	35.7	8.9	<0.001	0.02	2.28	0.8	<0.2	0.6	3.9	<0.01	0.03	2.4
JNL055 07+00S		0.12	3.0	400	8.2	4.0	<0.001	0.02	0.63	0.2	<0.2	0.4	2.8	<0.01	0.01	0.3
JNL055 07+50S		0.35	21.1	530	77.8	9.2	<0.001	0.02	3.03	1.2	0.3	1.5	7.2	<0.01	0.03	3.6
JNL055 08+00S		0.22	35.5	580	146.0	7.9	<0.001	0.02	5.08	2.0	0.3	1.0	8.1	<0.01	0.03	6.2
JNL055 08+50S		0.35	30.4	680	142.0	8.5	<0.001	0.02	3.15	1.7	0.2	0.9	7.8	<0.01	0.03	5.7
JNL055 09+00S		0.14	31.0	560	80.2	7.0	<0.001	0.01	7.85	1.9	<0.2	0.6	6.9	<0.01	0.03	4.7
JNL055 09+50S		0.25	19.3	800	163.0	7.9	<0.001	0.03	3.35	0.8	0.3	1.3	10.2	<0.01	0.03	1.3
JNL055 10+00S		0.41	16.0	700	180.0	12.7	<0.001	0.02	2.58	1.1	0.3	1.9	6.6	<0.01	0.03	3.4
JNL055 10+50S		0.19	11.0	590	47.2	10.4	<0.001	0.01	1.50	0.5	<0.2	1.1	6.7	<0.01	0.03	0.7
JNL055 11+00S		0.25	9.1	530	47.2	5.7	<0.001	0.03	2.82	0.8	<0.2	1.1	9.8	<0.01	0.02	2.5
JNL055 11+50S																
JNL055 12+00S		0.08	31.1	710	93.7	9.8	<0.001	0.02	2.70	1.9	0.2	0.4	12.9	<0.01	0.02	5.1
JNL055 12+50S		0.25	7.4	720	107.5	7.2	<0.001	0.03	1.79	0.6	0.2	0.8	5.0	<0.01	0.02	0.8
JNL055 13+00S		0.15	3.9	840	43.6	8.3	<0.001	0.03	0.74	0.3	<0.2	0.4	5.9	<0.01	0.01	<0.2

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

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

Finalized Date: 24-JUN-2019
Account: TELOEX

Project: Justin 2019 Field Program

CERTIFICATE OF ANALYSIS WH19143855

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
JNL055 05+00S		<0.005	0.11	0.60	10	0.12	3.05	147	<0.5
JNL055 05+50S		<0.005	0.13	1.15	10	0.29	4.20	117	<0.5
JNL055 06+00S		0.016	0.12	0.65	23	0.22	3.31	88	<0.5
JNL055 06+50S		0.005	0.10	0.59	13	0.13	3.23	90	0.5
JNL055 06+50SD		0.005	0.09	0.58	14	0.13	3.28	94	0.5
JNL055 07+00S		0.007	0.05	0.24	9	0.08	1.01	23	<0.5
JNL055 07+50S		0.006	0.10	0.69	15	0.20	4.06	156	<0.5
JNL055 08+00S		0.005	0.10	1.07	14	0.16	7.59	268	0.8
JNL055 08+50S		0.007	0.11	0.98	15	0.21	6.11	220	1.1
JNL055 09+00S		<0.005	0.08	0.93	11	0.13	5.71	180	<0.5
JNL055 09+50S		0.007	0.09	0.84	17	0.15	3.98	194	<0.5
JNL055 10+00S		0.006	0.11	0.65	19	0.25	3.20	149	<0.5
JNL055 10+50S		0.006	0.08	0.52	14	0.11	3.20	90	<0.5
JNL055 11+00S		0.005	0.06	0.60	13	0.12	2.71	120	0.5
JNL055 11+50S									
JNL055 12+00S		<0.005	0.09	0.94	10	0.06	5.52	273	<0.5
JNL055 12+50S		0.005	0.07	0.45	12	0.10	1.94	101	<0.5
JNL055 13+00S		<0.005	0.06	0.56	8	0.05	2.82	61	<0.5

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Finalized Date: 24-JUN-2019
Account: TELOEX

Project: Justin 2019 Field Program

CERTIFICATE OF ANALYSIS WH19143855

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-ST43 ME-MS41

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

Finalized Date: 24-JUN-2019
This copy reported on 5-FEB-2020
Account: TELOEX

WH19143862

Project: Justin 2019 Field Program

P.O. No.: JN2019-1

This report is for 18 Rock samples submitted to our lab in Whitehorse, YT, Canada on 13-JUN-2019.

The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS41	Ultra Trace Aqua Regia ICP-MS	
Au-AA24	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:

Saa Traxler, General Manager, North Vancouver

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CERTIFICATE OF ANALYSIS WH19143862

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
PSJNR001		3.10	0.03	0.76	18.5	<0.02	<10	30	0.17	0.12	5.96	0.08	21.3	7.4	15	0.38
PSJNR002		2.27	0.01	1.57	22.4	<0.02	<10	20	0.16	0.08	0.20	0.05	18.35	10.0	20	0.25
PSJNR003		3.38	4.10	0.16	>10000	0.06	<10	10	0.06	16.40	0.01	0.08	2.70	26.9	8	0.14
PSJNR004		3.25	0.35	0.42	6740	0.03	<10	10	0.09	2.21	0.14	0.04	11.65	24.4	14	0.20
PSJNR005		1.41	0.15	0.39	3360	0.03	<10	10	0.07	2.00	0.66	0.02	4.28	13.6	13	0.18
PSJNR006		2.36	0.04	1.12	50.4	<0.02	<10	70	0.12	0.14	0.04	0.06	18.95	8.7	19	0.31
PSJNR007		2.03	<0.01	0.21	14.8	<0.02	<10	20	0.07	0.05	0.07	0.04	9.88	3.1	12	0.12
PSJNR008		2.39	12.15	0.72	48.8	<0.02	<10	20	0.12	5.14	0.02	1.02	20.2	1.7	14	0.28
PSJNR009		1.50	0.08	0.68	54.5	<0.02	<10	20	0.17	0.18	0.63	0.05	17.05	7.7	19	0.36
PSJNR010		2.34	0.04	0.92	15.5	<0.02	<10	20	0.12	0.28	0.32	0.02	18.70	7.0	21	0.23
PSJNR011		1.01	0.01	1.88	17.3	<0.02	<10	40	0.41	0.26	0.03	0.03	54.3	7.1	34	0.89
PSJNR012		2.82	0.05	0.52	325	<0.02	<10	20	0.11	0.28	1.22	0.03	9.09	4.7	14	0.22
PSJNR013		2.96	0.02	0.58	16.8	<0.02	<10	10	0.07	0.28	0.35	0.38	17.55	4.1	26	0.18
PSJNR014		8.26	17.15	0.19	1085	0.02	<10	20	<0.05	12.50	<0.01	0.11	14.45	0.3	11	0.67
PSJNR015		2.88	1.30	0.28	193.0	<0.02	<10	30	0.10	0.86	0.01	0.06	31.7	0.5	10	1.04
PSJNR016		8.58	2.17	0.31	34.0	<0.02	10	20	0.17	0.56	0.02	0.86	14.30	1.8	9	1.10
PSJNR017		2.36	0.05	0.21	122.5	<0.02	<10	10	0.14	0.36	<0.01	0.04	22.2	2.5	12	0.21
PSJNR018		3.96	0.03	0.87	16.8	<0.02	<10	20	1.30	0.20	0.54	0.53	48.5	33.9	24	0.81

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Project: Justin 2019 Field Program

CERTIFICATE OF ANALYSIS WH19143862

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
PSJNR001		14.7	1.76	2.88	<0.05	0.04	<0.01	0.038	0.07	10.4	19.0	0.31	1350	0.15	0.01	<0.05
PSJNR002		7.9	3.79	4.93	<0.05	0.03	<0.01	0.017	0.07	9.1	47.8	0.63	1480	0.12	0.01	<0.05
PSJNR003		53.2	3.35	1.25	<0.05	0.02	0.01	0.031	0.08	1.4	1.1	0.02	49	0.25	<0.01	<0.05
PSJNR004		43.6	2.27	1.40	<0.05	0.03	<0.01	0.011	0.09	5.5	7.7	0.14	175	0.15	<0.01	<0.05
PSJNR005		22.9	2.41	1.53	<0.05	0.02	<0.01	0.034	0.08	2.1	7.8	0.14	325	0.20	<0.01	<0.05
PSJNR006		8.1	3.05	3.64	<0.05	0.04	<0.01	0.019	0.06	9.3	33.2	0.47	1610	0.53	0.01	<0.05
PSJNR007		1.7	3.41	0.95	<0.05	<0.02	0.01	0.049	0.03	4.0	4.1	0.09	1980	0.25	0.01	<0.05
PSJNR008		8.9	1.47	2.55	<0.05	0.04	0.02	0.231	0.14	9.8	15.9	0.26	131	0.19	0.01	<0.05
PSJNR009		28.8	1.84	2.40	<0.05	0.02	0.01	0.013	0.09	7.9	17.0	0.26	651	0.27	0.01	<0.05
PSJNR010		13.4	1.91	3.32	<0.05	0.03	<0.01	0.010	0.09	8.7	26.6	0.38	386	0.12	0.01	<0.05
PSJNR011		13.9	2.80	6.19	0.06	0.08	0.01	0.008	0.26	24.9	43.6	0.60	189	0.10	0.03	<0.05
PSJNR012		26.1	1.77	1.93	<0.05	0.02	<0.01	0.012	0.08	4.0	12.2	0.20	513	0.16	<0.01	<0.05
PSJNR013		9.0	1.50	2.09	<0.05	0.02	<0.01	0.014	0.06	8.4	15.8	0.24	598	0.15	0.01	<0.05
PSJNR014		16.7	1.23	0.58	<0.05	0.02	0.05	1.405	0.15	7.6	1.2	0.01	36	0.13	<0.01	<0.05
PSJNR015		2.9	0.46	0.99	<0.05	0.03	<0.01	0.121	0.23	16.2	2.6	0.02	34	0.12	<0.01	<0.05
PSJNR016		105.0	1.08	0.82	<0.05	0.05	0.01	0.117	0.21	7.5	1.9	0.02	116	0.15	<0.01	<0.05
PSJNR017		12.1	1.31	0.74	<0.05	0.06	0.01	0.016	0.07	10.6	0.7	0.01	96	0.13	<0.01	<0.05
PSJNR018		71.8	7.06	1.76	0.09	0.14	0.04	0.053	0.09	21.6	3.7	0.03	157	0.75	<0.01	<0.05

ALS Canada Ltd.

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

Finalized Date: 24-JUN-2019
Account: TELOEX

Project: Justin 2019 Field Program

CERTIFICATE OF ANALYSIS WH19143862

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
PSJNR001		14.3	160	5.5	3.3	<0.001	0.06	0.22	2.7	0.2	<0.2	73.8	<0.01	0.01	7.4	<0.005
PSJNR002		24.6	130	5.8	3.4	<0.001	0.05	0.11	2.1	<0.2	<0.2	3.5	<0.01	0.01	4.6	<0.005
PSJNR003		3.9	50	329	3.0	<0.001	1.08	5.51	0.4	1.6	0.4	2.2	<0.01	0.29	2.6	<0.005
PSJNR004		6.7	70	26.7	3.9	<0.001	1.06	2.30	0.5	0.5	0.3	3.6	<0.01	0.24	5.8	<0.005
PSJNR005		4.4	70	12.7	3.4	<0.001	0.45	1.72	0.4	0.2	0.3	11.1	<0.01	0.14	3.9	<0.005
PSJNR006		17.5	90	15.4	3.2	<0.001	0.03	0.32	2.0	<0.2	<0.2	3.4	<0.01	0.01	4.9	<0.005
PSJNR007		6.1	70	4.2	1.5	<0.001	0.01	0.13	2.9	<0.2	<0.2	2.4	<0.01	<0.01	2.8	<0.005
PSJNR008		9.4	100	2860	5.5	<0.001	0.09	5.65	0.6	0.5	1.5	3.4	<0.01	0.11	5.5	<0.005
PSJNR009		15.3	80	12.4	3.8	<0.001	0.17	0.36	1.2	<0.2	<0.2	19.3	<0.01	0.01	9.8	<0.005
PSJNR010		16.3	90	6.5	3.5	<0.001	0.13	0.26	1.1	<0.2	<0.2	8.5	<0.01	0.01	5.9	<0.005
PSJNR011		33.1	170	2.7	10.4	<0.001	0.02	0.15	1.5	0.2	<0.2	9.4	<0.01	0.02	18.7	<0.005
PSJNR012		9.0	60	5.3	3.4	<0.001	0.42	0.28	0.9	0.2	0.2	21.5	<0.01	0.01	4.9	<0.005
PSJNR013		9.4	90	8.8	2.8	<0.001	0.12	0.13	1.0	<0.2	<0.2	6.4	<0.01	0.01	5.2	<0.005
PSJNR014		1.1	30	1455	12.6	<0.001	0.73	5.53	0.2	0.3	24.1	7.1	<0.01	0.02	2.1	<0.005
PSJNR015		0.8	40	116.5	16.2	<0.001	0.06	1.26	0.3	<0.2	9.4	8.3	<0.01	0.01	3.0	<0.005
PSJNR016		6.8	110	241	17.1	<0.001	0.56	1.87	0.5	<0.2	3.5	2.5	<0.01	<0.01	8.4	<0.005
PSJNR017		6.5	70	2.4	3.0	<0.001	0.02	0.47	0.9	<0.2	0.5	2.4	<0.01	<0.01	5.3	<0.005
PSJNR018		104.0	980	5.9	4.8	<0.001	0.01	8.77	17.6	0.3	0.3	47.0	<0.01	<0.01	6.3	<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: 24-JUN-2019
Account: TELOEX

Project: Justin 2019 Field Program

CERTIFICATE OF ANALYSIS WH19143862

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-AA24 Au ppm 0.005
PSJNR001		0.03	0.37	8	<0.05	4.65	22	1.7	<0.005
PSJNR002		0.02	0.24	12	<0.05	1.67	57	1.3	<0.005
PSJNR003		0.06	0.41	2	0.06	0.25	13	1.1	0.067
PSJNR004		0.03	0.74	3	<0.05	1.00	10	1.1	0.030
PSJNR005		0.05	0.53	3	<0.05	1.68	9	0.8	0.029
PSJNR006		0.03	0.49	9	0.11	1.80	47	2.1	<0.005
PSJNR007		<0.02	0.22	4	0.13	3.62	14	0.5	<0.005
PSJNR008		0.03	0.28	6	<0.05	0.77	110	1.5	<0.005
PSJNR009		0.02	0.50	5	<0.05	3.83	19	1.4	<0.005
PSJNR010		0.02	0.48	8	<0.05	1.58	24	1.3	<0.005
PSJNR011		0.07	0.42	14	<0.05	2.12	41	4.1	<0.005
PSJNR012		0.03	0.54	5	<0.05	1.58	14	1.0	<0.005
PSJNR013		<0.02	0.35	6	<0.05	1.27	35	0.9	<0.005
PSJNR014		0.09	0.10	1	<0.05	0.43	20	0.6	0.023
PSJNR015		0.13	0.16	2	<0.05	0.78	21	0.9	0.005
PSJNR016		0.23	0.72	2	0.05	1.16	131	1.1	0.005
PSJNR017		0.03	0.37	4	0.12	1.50	26	1.7	<0.005
PSJNR018		0.32	8.24	24	0.69	15.80	233	5.6	<0.005

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Finalized Date: 24-JUN-2019
Account: TELOEX

Project: Justin 2019 Field Program

CERTIFICATE OF ANALYSIS WH19143862

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	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-AA24 ME-MS41

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

Finalized Date: 3-JUL-2019
This copy reported on 5-FEB-2020
Account: TELOEX

WH19143868

Project: Justin 2019 Diamond Drill

P.O. No.: JN2019-1

This report is for 98 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 13-JUN-2019.

The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
PUL-32md	Pulverize 500g-DUP -85%<75um
OA-HSUL10	Handling of High Sulphide Samples
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32m	Pulverize 500g - 85%<75um
BAG-01	Bulk Master for Storage
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22d	Sample login - Rcd w/o BarCode dup

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS41	Ultra Trace Aqua Regia ICP-MS	
Ag-OG46	Ore Grade Ag - Aqua Regia	
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM

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:
Saa Traxler, General Manager, North Vancouver

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

Finalized Date: 3-JUL-2019
Account: TELOEX

Project: Justin 2019 Diamond Drill

CERTIFICATE OF ANALYSIS WH19143868

Sample Description	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
Method 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
JN19020-001	2.90	0.08	1.02	4.6	<0.02	<10	30	0.98	0.46	0.48	0.04	69.2	20.2	27	1.20
JN19020-002	2.69	0.06	3.65	5.0	<0.02	<10	190	1.42	0.35	5.10	0.06	47.9	15.3	42	7.21
JN19020-003	4.55	0.07	4.82	2.7	<0.02	10	30	1.31	0.29	11.15	0.05	31.6	10.5	25	3.25
JN19020-004	3.27	0.03	0.59	0.6	<0.02	<10	40	0.19	0.05	1.06	0.07	18.45	0.9	13	2.08
JN19020-005	2.35	0.04	0.95	4.5	<0.02	<10	110	0.54	0.09	1.21	0.05	23.0	2.7	18	3.44
JN19020-006	3.58	0.04	0.28	2.8	<0.02	<10	20	0.17	0.09	0.05	0.17	27.0	2.5	20	0.88
JN19020-007	1.72	0.04	0.21	1.8	<0.02	<10	20	0.20	0.08	0.10	0.06	34.5	4.1	16	0.87
JN19020-008	1.19	0.02	0.26	2.0	<0.02	<10	10	0.16	0.03	0.07	0.04	28.5	2.3	14	0.61
JN19020-009	3.61	0.02	0.29	1.7	<0.02	<10	<10	0.18	0.04	0.07	0.04	33.3	1.9	18	0.25
JN19020-010	2.33	0.12	0.31	3050	0.03	<10	20	0.21	0.34	0.07	0.27	28.0	2.4	16	0.84
JN19020-011	2.56	0.11	0.29	25.8	<0.02	<10	10	0.15	0.20	0.05	3.43	26.1	2.4	13	0.59
JN19020-012	2.89	0.98	0.38	6040	0.08	<10	20	0.23	2.21	0.05	12.40	21.6	3.4	10	0.98
JN19020-013	1.78	0.68	0.31	63.3	<0.02	<10	20	0.19	1.37	0.05	1.96	19.05	2.5	13	0.93
JN19020-014	2.58	0.10	0.30	81.5	<0.02	<10	20	0.20	0.15	0.06	0.69	25.6	3.6	12	0.65
JN19020-015	3.28	0.03	0.26	2.9	<0.02	<10	10	0.17	0.04	0.08	0.08	27.1	2.2	14	0.43
JN19020-016	3.70	0.05	1.48	5.9	<0.02	<10	10	1.35	4.38	0.76	0.13	144.5	23.8	41	1.80
JN19020-017	1.54	0.12	0.98	5.0	<0.02	<10	20	0.76	0.34	0.34	0.09	82.0	24.2	28	0.59
JN19020-018	1.67	0.23	0.97	50.3	0.14	<10	50	0.50	1.75	0.26	0.09	85.8	36.6	13	1.05
JN19020-019	2.62	0.17	0.82	56.0	0.08	<10	60	0.39	0.69	0.15	0.08	70.2	22.3	9	1.35
JN19020-020	1.13	0.30	0.86	10.6	<0.02	<10	10	0.61	0.55	8.97	0.59	88.8	16.1	17	1.22
JN19020-021	1.15	0.29	0.71	10.7	<0.02	<10	10	0.38	0.46	2.44	0.17	65.4	14.8	19	0.57
JN19020-022	5.13	0.14	0.60	7.2	<0.02	<10	10	0.37	0.27	19.45	0.15	39.2	10.4	13	1.03
JN19020-023	3.12	0.11	0.36	3.3	<0.02	<10	10	0.19	0.12	>25.0	0.10	22.1	3.7	5	0.30
JN19020-024	4.68	0.09	0.44	3.4	<0.02	<10	<10	0.27	0.18	24.4	0.09	38.7	6.2	8	0.50
JN19020-025	5.31	0.08	0.47	3.9	<0.02	<10	<10	0.26	0.18	>25.0	0.08	32.4	5.7	10	0.36
JN19020-026	3.97	0.10	0.58	5.8	<0.02	<10	<10	0.38	0.25	24.4	0.12	31.5	8.0	8	0.63
JN19020-027	2.41	0.12	0.54	6.9	<0.02	<10	<10	0.33	0.23	22.7	0.13	36.2	7.8	8	0.61
JN19020-027D	<0.02	0.10	0.50	6.5	<0.02	<10	<10	0.30	0.22	22.3	0.13	34.9	7.3	7	0.60
JN19020-028	2.96	0.24	0.74	26.7	<0.02	<10	10	0.49	0.44	17.75	0.26	50.0	9.7	11	2.08
JN19020-029	3.54	0.33	0.90	21.0	<0.02	<10	10	0.72	1.72	0.68	0.46	74.7	19.3	19	1.19
JN19020-030	2.52	0.92	0.76	67.6	<0.02	<10	30	4.54	47.6	0.60	0.07	42.3	20.7	12	0.84
JN19020-030S	0.17	>100	1.93	12.0	9.19	<10	190	0.14	0.10	1.06	0.19	18.55	9.9	23	0.85
JN19020-031	2.09	1.63	0.48	133.0	<0.02	<10	20	2.81	257	0.39	0.13	39.4	20.1	11	0.72
JN19020-031B	7.09	<0.01	0.03	0.4	<0.02	<10	10	<0.05	0.10	>25.0	0.01	0.91	0.4	<1	<0.05
JN19020-032	2.25	1.94	0.53	478	<0.02	<10	20	2.03	132.0	0.30	0.26	31.1	20.1	13	0.61
JN19020-033	1.94	2.34	0.18	6670	<0.02	<10	10	1.12	152.5	0.20	0.49	10.40	47.6	6	0.23
JN19020-034	3.04	1.47	0.20	1265	0.02	<10	10	0.90	110.5	0.40	<0.01	20.4	24.5	6	0.28
JN19020-035	2.64	1.22	0.63	92.2	0.17	20	10	5.20	375	2.45	<0.01	10.05	28.6	9	1.19
JN19020-036	4.40	1.23	0.55	66.6	0.61	10	10	2.36	402	1.69	<0.01	9.51	44.7	8	0.91
JN19020-036B	6.82	0.02	0.02	0.7	<0.02	<10	10	<0.05	0.48	>25.0	0.01	0.81	0.5	<1	<0.05

***** 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-JUL-2019
Account: TELOEX

Project: Justin 2019 Diamond Drill

CERTIFICATE OF ANALYSIS WH19143868

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
JN19020-001		64.2	5.49	4.15	0.10	0.22	0.01	0.035	0.14	36.4	8.3	0.20	913	0.39	0.01	<0.05
JN19020-002		44.3	3.82	10.50	0.09	0.23	<0.01	0.023	0.81	25.4	85.9	0.70	407	0.37	0.12	0.29
JN19020-003		31.4	1.46	13.10	0.07	0.19	<0.01	0.011	0.25	15.5	36.1	0.28	117	0.93	0.19	0.79
JN19020-004		5.5	0.76	1.60	0.05	0.04	<0.01	0.015	0.02	9.3	4.4	0.10	190	0.13	0.09	0.24
JN19020-005		6.8	1.21	2.38	0.06	0.08	<0.01	0.025	0.09	11.3	7.6	0.16	252	0.17	0.12	0.14
JN19020-006		9.5	0.67	0.96	<0.05	0.04	<0.01	0.016	0.13	13.1	1.9	0.03	149	0.19	0.01	<0.05
JN19020-007		6.1	1.96	0.91	<0.05	0.05	<0.01	0.046	0.09	16.6	1.3	0.06	539	0.43	0.01	<0.05
JN19020-008		4.8	1.05	0.93	<0.05	0.06	<0.01	0.013	0.10	14.3	1.3	0.04	289	0.20	0.01	<0.05
JN19020-009		7.4	0.86	1.08	<0.05	0.09	<0.01	0.009	0.03	15.8	1.8	0.03	216	0.16	0.01	<0.05
JN19020-010		6.5	1.17	1.05	<0.05	0.06	<0.01	0.025	0.14	14.1	2.6	0.07	225	0.19	0.01	<0.05
JN19020-011		9.8	0.76	1.01	<0.05	0.08	0.01	0.163	0.09	12.7	1.9	0.03	192	0.19	0.01	<0.05
JN19020-012		31.7	1.54	1.25	<0.05	0.05	0.01	0.669	0.18	10.3	3.5	0.05	212	0.15	0.01	<0.05
JN19020-013		18.7	1.06	0.99	<0.05	0.03	<0.01	0.097	0.17	9.0	3.5	0.06	192	0.12	0.01	<0.05
JN19020-014		11.4	1.04	1.07	<0.05	0.06	<0.01	0.039	0.11	12.7	2.4	0.04	246	0.13	0.01	<0.05
JN19020-015		4.5	1.11	0.95	<0.05	0.07	<0.01	0.017	0.06	13.1	1.5	0.05	340	0.22	0.01	<0.05
JN19020-016		53.8	6.28	6.08	0.28	0.16	0.03	0.263	0.02	88.9	10.8	0.21	1920	67.9	0.01	<0.05
JN19020-017		166.5	5.56	3.95	0.11	0.25	0.07	0.082	0.11	45.5	7.6	0.21	1180	2.30	0.01	<0.05
JN19020-018		190.0	8.54	4.06	0.13	0.30	0.83	0.233	0.20	42.5	11.9	0.06	524	5.18	0.01	<0.05
JN19020-019		80.4	8.32	3.49	0.12	0.21	0.49	0.073	0.29	32.8	9.8	0.06	260	1.80	0.01	<0.05
JN19020-020		53.7	5.71	3.14	0.13	0.37	0.09	0.062	0.04	44.2	6.0	0.17	224	1.07	0.01	<0.05
JN19020-021		37.2	3.78	2.45	0.12	0.35	0.12	0.069	0.02	31.5	5.5	0.34	312	1.22	0.01	<0.05
JN19020-022		24.3	2.13	1.88	0.14	0.21	0.03	0.040	0.03	20.4	8.7	0.21	232	0.78	0.01	<0.05
JN19020-023		11.3	1.01	1.11	0.05	0.09	0.01	0.017	0.02	12.0	4.1	0.18	117	0.43	0.01	<0.05
JN19020-024		19.8	1.39	1.56	0.08	0.15	0.01	0.026	0.01	20.7	4.6	0.09	148	0.39	0.01	<0.05
JN19020-025		17.1	1.57	1.54	0.11	0.13	0.02	0.022	0.01	17.6	6.5	0.14	280	0.35	0.01	<0.05
JN19020-026		24.9	1.95	1.76	0.13	0.19	0.01	0.036	0.01	17.6	8.7	0.09	148	0.42	0.01	<0.05
JN19020-027		29.7	1.76	1.74	0.11	0.22	0.01	0.036	0.01	19.1	8.9	0.08	120	0.50	0.01	<0.05
JN19020-027D		27.8	1.68	1.63	0.12	0.21	0.01	0.035	0.01	18.3	8.2	0.08	115	0.53	0.01	<0.05
JN19020-028		39.8	2.41	2.49	0.10	0.06	0.01	0.089	0.09	26.8	10.3	0.15	154	0.92	0.01	<0.05
JN19020-029		114.5	4.81	3.66	0.10	0.49	0.09	0.242	0.08	42.7	8.9	0.11	309	0.82	0.01	<0.05
JN19020-030		3200	18.70	7.60	0.27	0.34	0.17	5.86	0.10	25.0	9.3	0.15	1180	1.72	0.01	0.06
JN19020-030S		109.0	3.96	6.17	0.09	0.10	0.32	0.017	0.36	8.4	6.9	0.77	641	5.93	0.24	0.24
JN19020-031		5710	30.7	16.35	5.38	0.22	0.01	7.97	0.04	21.3	3.7	0.09	1920	4.05	0.01	0.08
JN19020-031B		4.0	0.06	0.10	0.05	<0.02	<0.01	0.008	0.01	1.1	0.8	0.46	64	<0.05	<0.01	<0.05
JN19020-032		6790	34.7	8.68	2.34	0.16	0.03	2.21	0.05	15.9	2.9	0.10	1200	4.14	0.01	0.05
JN19020-033		6570	29.7	4.30	1.27	0.05	0.11	2.15	0.01	5.4	2.6	0.11	672	2.15	0.01	<0.05
JN19020-034		4620	32.8	5.38	0.99	0.06	0.35	5.54	0.01	11.4	2.5	0.12	1300	2.47	0.01	<0.05
JN19020-035		4720	28.5	21.2	6.55	0.20	0.01	10.25	0.08	5.1	5.4	0.18	2110	1.47	0.06	0.51
JN19020-036		3700	29.7	14.15	8.87	0.18	0.23	8.38	0.06	5.0	3.7	0.16	1540	1.15	0.04	0.33
JN19020-036B		7.2	0.09	<0.05	<0.05	<0.02	<0.01	0.013	0.01	1.1	0.8	0.52	68	<0.05	0.01	0.06

***** 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-JUL-2019
Account: TELOEX

Project: Justin 2019 Diamond Drill

CERTIFICATE OF ANALYSIS WH19143868

Sample Description	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
Method / Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
LOD	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
JN19020-001	57.0	680	19.8	9.1	0.001	0.59	0.62	12.4	0.3	0.9	10.1	<0.01	0.02	15.0	<0.005
JN19020-002	43.4	420	12.7	74.8	<0.001	0.41	0.20	6.8	0.3	0.8	178.0	0.01	0.03	13.1	0.113
JN19020-003	26.1	310	6.2	25.2	<0.001	0.45	0.16	3.4	0.4	0.8	549	0.04	0.01	10.9	0.132
JN19020-004	2.3	90	3.8	2.3	<0.001	0.01	0.11	0.5	<0.2	1.1	61.7	<0.01	<0.01	5.9	0.027
JN19020-005	8.4	120	3.5	10.7	<0.001	0.03	0.13	1.5	<0.2	1.5	99.3	<0.01	0.01	7.7	0.030
JN19020-006	6.3	90	10.1	8.6	<0.001	0.05	0.21	0.8	<0.2	1.1	2.0	<0.01	<0.01	9.3	<0.005
JN19020-007	8.9	70	3.7	6.1	<0.001	0.19	0.47	2.8	0.4	0.7	2.8	<0.01	<0.01	7.0	<0.005
JN19020-008	6.6	110	3.6	6.8	<0.001	0.05	0.21	1.3	<0.2	0.3	2.8	<0.01	<0.01	9.6	<0.005
JN19020-009	4.7	110	3.1	2.5	<0.001	0.01	0.13	1.4	<0.2	0.6	4.1	<0.01	0.01	7.9	<0.005
JN19020-010	5.8	110	14.2	10.5	<0.001	0.19	3.54	1.3	<0.2	2.2	2.3	<0.01	0.01	11.8	<0.005
JN19020-011	6.8	110	16.1	7.0	<0.001	0.11	0.28	1.1	<0.2	1.0	3.2	<0.01	0.01	9.5	<0.005
JN19020-012	7.9	110	201	13.8	<0.001	0.73	7.08	1.0	0.3	2.7	2.3	<0.01	0.01	11.2	<0.005
JN19020-013	8.2	100	114.5	12.6	<0.001	0.33	0.36	0.8	<0.2	1.7	1.9	<0.01	<0.01	8.9	<0.005
JN19020-014	8.7	100	15.5	7.5	<0.001	0.13	0.36	1.2	<0.2	0.6	2.3	<0.01	<0.01	9.6	<0.005
JN19020-015	5.7	120	4.1	4.6	<0.001	0.04	0.17	1.5	<0.2	0.3	3.0	<0.01	<0.01	7.8	<0.005
JN19020-016	69.9	930	8.1	1.9	0.001	0.40	1.48	12.9	0.5	5.0	14.1	<0.01	0.04	22.7	<0.005
JN19020-017	45.4	370	6.2	6.5	<0.001	1.73	1.60	6.7	<0.2	2.5	6.1	<0.01	0.11	14.7	<0.005
JN19020-018	74.0	750	14.9	8.8	0.002	8.31	22.0	3.6	1.2	9.0	12.1	<0.01	0.13	14.3	<0.005
JN19020-019	75.5	510	14.5	15.1	0.001	9.08	30.6	2.1	1.3	3.9	7.1	<0.01	0.09	10.5	<0.005
JN19020-020	59.3	410	22.1	2.8	0.004	5.49	5.13	3.2	1.5	1.8	384	<0.01	0.09	16.7	<0.005
JN19020-021	37.7	1060	18.7	1.7	0.002	3.33	2.55	4.9	0.9	2.8	111.0	<0.01	0.07	11.6	<0.005
JN19020-022	27.4	710	13.1	2.1	0.001	1.76	2.01	3.7	1.0	1.0	1015	<0.01	0.05	8.3	<0.005
JN19020-023	10.2	530	7.8	1.6	0.001	0.85	0.82	2.3	0.8	0.3	1685	<0.01	0.04	3.5	<0.005
JN19020-024	17.5	240	8.1	1.0	0.001	1.05	0.90	2.5	0.9	0.8	1120	<0.01	0.07	6.2	<0.005
JN19020-025	16.7	390	7.4	1.0	0.003	0.78	1.00	3.2	0.7	1.3	1065	<0.01	0.07	5.7	<0.005
JN19020-026	24.1	720	11.4	1.4	0.001	1.58	1.87	2.4	1.2	0.8	1180	<0.01	0.07	6.2	<0.005
JN19020-027	22.9	690	12.9	1.2	0.002	1.52	1.49	2.1	1.5	1.2	1095	<0.01	0.07	6.3	<0.005
JN19020-027D	21.4	670	12.2	1.1	0.003	1.45	1.41	2.0	1.5	1.0	1090	<0.01	0.06	6.4	<0.005
JN19020-028	27.3	2240	19.6	7.8	0.004	2.12	1.52	3.1	2.3	1.6	1045	<0.01	0.08	9.6	<0.005
JN19020-029	52.6	1380	32.9	6.2	0.002	3.84	4.73	3.1	1.6	4.0	36.9	<0.01	0.07	17.2	<0.005
JN19020-030	57.6	480	18.1	5.4	0.002	>10.0	30.6	4.0	2.7	52.1	21.6	<0.01	0.05	10.6	<0.005
JN19020-030S	16.0	780	11.5	15.7	<0.001	0.12	4.09	3.7	4.3	1.6	94.9	<0.01	0.09	2.4	0.165
JN19020-031	29.0	100	4.1	5.5	0.001	>10.0	60.3	6.0	9.1	78.5	26.1	<0.01	0.02	2.7	<0.005
JN19020-031B	0.7	70	0.2	0.4	<0.001	<0.01	<0.05	0.2	0.7	<0.2	89.1	<0.01	0.01	<0.2	<0.005
JN19020-032	25.8	50	3.2	6.7	0.002	>10.0	52.6	4.3	11.5	36.8	21.0	<0.01	0.04	3.5	<0.005
JN19020-033	46.4	30	2.4	1.1	0.001	>10.0	65.2	4.7	14.0	15.7	12.6	<0.01	0.02	1.4	<0.005
JN19020-034	29.4	240	3.8	1.8	0.001	>10.0	50.6	2.9	11.6	103.5	11.1	<0.01	0.20	1.5	<0.005
JN19020-035	6.3	210	2.6	2.9	<0.001	>10.0	5.94	1.5	12.3	138.5	9.6	<0.01	2.95	1.4	0.017
JN19020-036	10.3	320	2.1	2.9	<0.001	>10.0	87.6	1.5	12.4	142.5	5.3	<0.01	2.95	1.3	0.011
JN19020-036B	0.2	70	0.2	0.4	<0.001	0.03	0.13	0.2	0.2	0.2	94.7	<0.01	0.01	<0.2	<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-JUL-2019
Account: TELOEX

Project: Justin 2019 Diamond Drill

CERTIFICATE OF ANALYSIS WH19143868

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-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05
JN19020-001		0.50	3.14	44	0.39	13.75	103	7.3		<0.005	
JN19020-002		0.59	2.40	43	0.14	10.70	77	8.5		<0.005	
JN19020-003		0.13	2.19	24	0.26	11.25	19	4.6		<0.005	
JN19020-004		<0.02	0.54	4	0.16	3.14	16	0.9		<0.005	
JN19020-005		0.05	0.83	9	0.06	4.64	21	1.5		<0.005	
JN19020-006		0.08	0.54	5	0.22	2.38	31	1.8		<0.005	
JN19020-007		0.10	0.69	10	1.53	4.96	35	1.8		<0.005	
JN19020-008		0.06	0.62	6	0.21	3.07	21	1.8		<0.005	
JN19020-009		0.02	1.06	8	0.24	3.39	12	2.9		<0.005	
JN19020-010		0.07	0.54	7	0.19	2.77	40	1.9		0.031	
JN19020-011		0.08	0.48	5	0.32	2.94	432	2.4		<0.005	
JN19020-012		0.09	0.55	4	0.26	3.08	1370	1.7		0.082	
JN19020-013		0.10	0.50	3	0.15	2.28	226	1.2		<0.005	
JN19020-014		0.08	0.60	5	0.32	3.25	101	2.4		0.005	
JN19020-015		0.04	0.71	7	0.28	3.75	30	2.4		<0.005	
JN19020-016		0.16	3.38	66	1.75	28.8	103	9.5		<0.005	
JN19020-017		1.03	1.68	49	1.13	13.50	67	10.8		0.006	
JN19020-018		5.60	7.20	19	2.05	15.35	116	10.4		0.172	
JN19020-019		3.12	6.94	12	1.11	12.30	58	6.6		0.093	
JN19020-020		1.66	4.87	17	0.68	17.40	153	21.3		0.005	
JN19020-021		0.81	7.43	19	1.12	17.40	59	14.8		0.009	
JN19020-022		0.29	4.93	12	0.40	10.60	60	10.7		0.006	
JN19020-023		0.15	2.91	7	0.39	5.55	42	4.8		0.005	
JN19020-024		0.29	2.86	10	0.18	8.83	59	8.7		<0.005	
JN19020-025		0.23	2.84	14	0.18	10.00	44	6.7		<0.005	
JN19020-026		0.46	4.11	10	0.38	8.31	74	11.1		<0.005	
JN19020-027		0.38	5.03	8	0.52	7.88	92	11.6		<0.005	
JN19020-027D		0.33	5.10	7	0.55	7.93	92	11.7		<0.005	
JN19020-028		0.36	12.45	12	1.42	11.00	87	6.0		<0.005	
JN19020-029		1.15	13.10	22	2.04	11.00	143	20.6		0.008	
JN19020-030		4.54	5.90	17	6.09	9.35	88	12.3		0.012	
JN19020-030S		0.12	0.81	79	1.34	9.30	62	1.9	116	9.77	
JN19020-031		3.93	5.03	20	28.2	13.05	58	7.7		0.023	
JN19020-031B		0.02	0.07	<1	0.05	2.21	<2	<0.5		0.006	
JN19020-032		1.72	3.66	23	20.7	8.48	43	5.2		0.015	
JN19020-033		11.55	1.55	13	19.25	5.33	60	1.8		0.025	
JN19020-034		4.49	2.04	10	10.85	4.52	45	2.6		0.102	
JN19020-035		0.17	2.56	9	12.60	4.21	49	7.6		0.219	
JN19020-036		3.09	2.17	8	3.01	3.61	58	6.5		0.719	
JN19020-036B		<0.02	0.08	<1	<0.05	2.14	<2	<0.5		<0.005	

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SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 3-JUL-2019
Account: TELOEX

Project: Justin 2019 Diamond Drill

CERTIFICATE OF ANALYSIS WH19143868

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
JN19020-037		3.11	0.43	0.47	19.4	1.06	<10	10	3.09	1095	1.80	<0.01	35.4	14.7	18	0.87
JN19020-038		4.25	0.18	1.41	8.0	0.37	<10	20	2.86	123.5	4.04	<0.01	78.3	9.4	34	4.04
JN19020-039		5.07	0.05	1.73	6.3	0.07	<10	10	3.00	25.3	8.67	<0.01	17.70	3.9	19	1.56
JN19020-040		3.85	0.26	1.44	3.8	1.19	10	20	6.76	389	2.79	<0.01	60.5	5.3	25	0.80
JN19020-041		5.15	0.42	1.50	2.8	0.57	10	10	3.90	169.5	5.13	<0.01	24.1	6.0	16	2.52
JN19020-042		4.33	1.72	1.20	17.7	0.80	10	10	4.80	118.5	3.47	0.04	24.1	26.9	19	0.67
JN19020-043		5.65	0.23	1.99	3.6	0.80	10	10	4.01	51.4	4.94	<0.01	45.6	6.1	19	1.17
JN19020-044		5.33	0.37	1.85	2.6	2.84	10	10	3.06	373	3.28	<0.01	29.4	5.3	8	1.15
JN19020-045		4.06	0.22	0.74	2.4	0.78	<10	50	1.16	139.0	0.84	0.09	52.6	3.1	5	1.87
JN19020-046		3.24	0.08	0.67	1.4	0.12	<10	30	1.23	18.00	1.51	0.13	62.5	2.6	4	1.19
JN19020-047		4.57	0.24	0.63	17.6	0.75	<10	20	0.98	74.1	0.75	0.15	50.1	2.4	4	1.13
JN19020-048		4.56	1.37	0.34	36.4	10.55	<10	10	6.39	983	1.34	<0.01	39.5	27.1	7	0.14
JN19020-049		4.29	0.16	0.35	3.9	0.91	<10	30	12.65	147.0	2.88	<0.01	35.4	20.7	6	0.10
JN19020-050		2.67	0.05	0.10	8.8	0.07	<10	10	2.40	23.2	2.76	<0.01	6.63	4.6	1	1.40
JN19020-051		5.68	0.03	0.10	0.9	0.04	10	10	1.53	19.65	1.48	0.03	1.93	2.7	1	1.84
JN19020-052		4.96	0.05	0.28	0.6	<0.02	30	10	2.02	7.67	1.20	0.01	10.90	3.5	1	2.03
JN19020-053		5.70	0.06	0.28	0.7	0.02	20	10	1.70	15.25	1.16	0.01	12.40	2.8	1	1.90
JN19020-054		4.23	0.04	0.41	3.3	0.04	<10	10	5.04	23.3	1.40	0.03	20.7	5.4	7	1.19
JN19020-055		3.51	0.03	0.22	0.8	0.02	10	10	2.53	13.30	1.42	0.02	9.07	4.4	1	1.92
JN19020-056		2.51	0.06	0.97	4.2	0.07	10	70	1.41	2.06	0.84	0.05	38.3	12.3	16	4.05
JN19020-057		3.62	0.20	0.93	5.9	<0.02	10	60	0.99	0.90	0.45	0.47	30.1	13.8	11	3.87
JN19020-058		8.06	0.07	1.02	5.4	<0.02	10	60	0.98	0.86	0.90	0.10	26.4	12.0	16	4.51
JN19020-059		4.43	0.07	1.05	19.0	<0.02	10	70	0.86	0.80	0.69	0.07	27.8	10.2	15	6.76
JN19020-060		4.96	0.10	0.67	291	0.14	10	50	0.81	0.57	0.66	0.18	27.3	13.5	9	4.31
JN19020-060S		0.12	0.10	1.70	1.2	<0.02	<10	140	6.81	1.27	1.94	0.08	13.15	7.3	8	0.30
JN19020-061		4.70	0.61	0.78	57.0	0.03	10	70	0.72	1.81	0.46	2.17	23.3	15.1	7	4.10
JN19020-062		4.57	0.53	0.71	49.5	<0.02	10	60	0.54	1.45	0.77	0.50	21.9	13.0	5	2.76
JN19020-062D		<0.02	0.61	0.71	48.6	<0.02	10	70	0.58	1.47	0.75	0.52	21.9	12.3	6	2.73
JN19020-063		4.24	0.49	0.98	35.9	<0.02	10	60	0.82	1.48	0.44	3.21	26.6	14.3	16	6.01
JN19020-064		3.54	0.06	0.98	15.9	0.07	10	40	0.96	1.33	0.82	0.09	36.0	13.4	19	3.97
JN19020-065		4.34	0.08	0.94	17.5	<0.02	10	40	0.77	4.43	0.34	0.11	30.5	15.2	20	2.85
JN19020-066		4.27	0.29	0.48	88.4	0.02	10	30	0.35	1.81	0.69	0.36	21.1	8.7	13	1.57
JN19020-067		3.19	0.91	0.20	103.5	<0.02	10	10	0.14	27.7	0.45	0.33	19.75	3.4	14	0.79
JN19020-068		3.43	0.46	0.36	19.9	<0.02	<10	20	0.25	17.65	0.26	0.08	26.5	6.7	12	1.26
JN19020-069		3.70	0.14	0.23	3.2	0.02	<10	10	0.15	14.35	0.21	0.03	31.4	2.8	13	0.55
JN19020-069B		8.89	0.01	0.02	0.5	<0.02	<10	20	<0.05	0.04	>25.0	0.01	0.93	0.8	<1	<0.05
JN19020-070		2.77	0.10	0.38	10.1	<0.02	<10	20	0.44	0.60	0.22	0.06	30.1	7.0	11	1.41
JN19020-071		3.41	0.36	0.56	50.2	<0.02	10	30	0.43	3.12	0.71	0.25	18.55	9.9	8	1.87
JN19020-072		3.71	0.52	0.41	39.5	0.02	10	20	0.36	12.90	0.33	0.26	18.95	7.6	11	1.39
JN19020-073		3.56	0.12	0.25	6.6	<0.02	<10	10	0.19	5.21	0.15	0.02	31.3	2.0	15	0.64

***** 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-JUL-2019
Account: TELOEX

Project: Justin 2019 Diamond Drill

CERTIFICATE OF ANALYSIS WH19143868

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
JN19020-037		76.7	24.3	5.48	0.28	0.26	0.10	9.35	0.02	18.2	4.6	0.53	7920	1.27	0.01	<0.05
JN19020-038		76.0	14.35	8.26	1.10	0.49	<0.01	4.10	0.04	43.1	8.4	0.22	4840	0.34	0.01	0.06
JN19020-039		18.5	15.00	10.30	3.26	0.56	<0.01	4.08	0.02	6.7	5.7	0.14	4420	0.11	0.01	0.29
JN19020-040		14.6	10.45	10.90	0.85	0.50	<0.01	3.34	0.04	32.6	29.8	0.30	3250	2.30	0.02	<0.05
JN19020-041		288	10.15	15.85	3.56	0.42	<0.01	3.01	0.19	10.8	17.9	0.15	2660	0.06	0.11	0.26
JN19020-042		1685	20.5	11.40	1.87	0.49	0.02	4.69	0.10	9.8	9.4	0.23	3700	0.32	0.06	0.25
JN19020-043		121.5	9.28	12.55	1.79	0.59	<0.01	2.31	0.12	24.0	17.6	0.16	2720	0.44	0.09	0.43
JN19020-044		52.9	6.01	19.70	2.40	0.45	<0.01	1.500	0.26	14.7	17.8	0.16	1230	0.55	0.18	0.62
JN19020-045		23.4	2.05	5.23	0.16	0.13	<0.01	0.083	0.18	26.3	19.1	0.23	281	5.16	0.03	0.29
JN19020-046		19.5	1.76	4.89	0.12	0.12	<0.01	0.091	0.13	31.1	17.3	0.23	300	1.13	0.03	0.14
JN19020-047		31.5	2.05	4.72	0.12	0.13	<0.01	0.121	0.12	24.7	17.1	0.23	367	1.32	0.03	0.26
JN19020-048		713	21.2	10.95	1.75	0.22	0.01	4.44	<0.01	15.4	2.7	0.18	6160	1.05	0.01	0.05
JN19020-049		70.8	30.9	13.20	1.57	0.23	<0.01	6.48	<0.01	13.8	4.1	0.37	11050	0.14	0.02	0.05
JN19020-050		54.9	2.63	5.22	0.45	0.02	<0.01	1.165	0.02	2.6	1.2	0.05	1030	0.06	0.02	<0.05
JN19020-051		29.8	2.41	3.76	0.89	0.03	<0.01	0.418	0.02	0.7	1.6	0.05	865	0.18	0.02	<0.05
JN19020-052		35.5	2.75	7.58	0.87	0.08	0.05	0.464	0.05	5.0	6.0	0.12	912	8.34	0.03	0.25
JN19020-053		19.2	2.62	7.32	0.98	0.08	<0.01	0.483	0.05	6.2	5.0	0.14	776	0.28	0.04	0.07
JN19020-054		18.2	4.45	5.54	0.34	0.09	<0.01	0.589	0.04	10.3	6.7	0.16	1680	1.07	0.02	0.06
JN19020-055		47.1	3.28	6.26	1.02	0.07	<0.01	0.597	0.04	3.9	3.5	0.14	867	0.12	0.03	<0.05
JN19020-056		70.1	3.68	3.29	0.05	0.14	0.02	0.032	0.39	21.4	20.6	0.54	1040	8.83	0.01	0.10
JN19020-057		66.0	3.21	2.68	0.05	0.10	0.01	0.037	0.40	16.8	17.9	0.48	468	12.85	0.02	<0.05
JN19020-058		46.0	3.42	3.09	0.05	0.14	0.03	0.016	0.45	14.6	23.4	0.62	524	16.15	0.02	0.05
JN19020-059		21.4	2.97	3.28	0.05	0.07	0.01	0.016	0.57	15.9	33.7	0.71	467	2.61	0.02	0.09
JN19020-060		28.8	3.97	1.90	<0.05	0.08	<0.01	0.022	0.33	15.9	11.5	0.79	611	8.26	0.01	<0.05
JN19020-060S		64.1	2.42	5.65	0.25	0.10	0.44	0.017	0.22	5.9	7.6	0.65	509	443	0.19	1.24
JN19020-061		63.0	3.79	2.16	<0.05	0.09	0.03	0.126	0.44	13.0	13.9	0.50	514	1.80	0.01	<0.05
JN19020-062		52.6	3.12	1.93	<0.05	0.08	<0.01	0.046	0.42	12.0	11.9	0.50	659	3.66	0.01	<0.05
JN19020-062D		55.5	3.20	1.91	<0.05	0.09	<0.01	0.050	0.42	12.1	12.1	0.50	662	3.91	0.01	<0.05
JN19020-063		43.3	4.02	2.78	0.05	0.10	0.01	0.123	0.49	14.4	24.2	0.76	608	1.59	0.01	0.07
JN19020-064		38.9	3.52	3.02	0.05	0.08	0.01	0.025	0.36	17.7	18.6	0.64	649	4.49	0.01	<0.05
JN19020-065		32.3	3.91	3.14	0.06	0.10	0.02	0.020	0.32	15.7	14.3	0.44	549	5.61	0.01	<0.05
JN19020-066		43.3	2.36	1.79	<0.05	0.07	0.03	0.045	0.20	9.8	6.5	0.32	561	3.19	<0.01	<0.05
JN19020-067		37.8	1.38	0.84	<0.05	0.03	0.03	0.039	0.10	10.0	2.8	0.17	302	1.97	<0.01	<0.05
JN19020-068		27.7	1.44	1.40	<0.05	0.07	0.03	0.025	0.15	13.1	4.7	0.15	306	4.17	<0.01	<0.05
JN19020-069		14.4	1.30	1.00	<0.05	0.03	0.03	0.022	0.06	15.2	2.4	0.10	218	0.39	<0.01	<0.05
JN19020-069B		1.1	0.06	0.07	<0.05	<0.02	<0.01	<0.005	0.01	1.1	0.6	0.52	79	<0.05	<0.01	<0.05
JN19020-070		25.5	2.00	1.47	<0.05	0.07	0.06	0.019	0.16	14.5	6.6	0.16	369	1.93	<0.01	<0.05
JN19020-071		39.7	3.01	1.78	<0.05	0.06	0.01	0.062	0.28	9.1	9.3	0.48	649	4.20	<0.01	<0.05
JN19020-072		26.2	2.06	1.55	<0.05	0.07	0.02	0.025	0.16	8.8	6.0	0.19	436	5.11	<0.01	<0.05
JN19020-073		10.5	0.98	1.04	<0.05	0.06	0.04	0.019	0.05	15.3	2.2	0.07	233	1.94	<0.01	<0.05

***** 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-JUL-2019
Account: TELOEX

Project: Justin 2019 Diamond Drill

CERTIFICATE OF ANALYSIS WH19143868

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
JN19020-037		16.5	220	2.7	2.6	<0.001	3.52	10.30	16.3	0.4	83.7	12.4	<0.01	13.15	6.6	<0.005
JN19020-038		19.8	190	3.2	5.8	<0.001	0.50	1.40	12.0	<0.2	172.0	20.0	<0.01	1.29	12.0	0.019
JN19020-039		4.4	350	1.4	2.8	<0.001	0.24	0.53	5.1	<0.2	288	11.8	0.01	0.29	3.9	0.058
JN19020-040		6.4	530	4.1	3.6	<0.001	0.05	0.75	5.3	<0.2	83.5	31.0	<0.01	6.12	12.2	0.036
JN19020-041		3.0	180	1.2	6.1	<0.001	0.58	0.52	2.5	<0.2	149.0	27.4	<0.01	2.23	4.6	0.047
JN19020-042		13.0	370	1.8	2.3	<0.001	6.85	1.84	4.6	4.2	175.0	24.2	<0.01	0.93	5.7	0.030
JN19020-043		6.8	160	1.5	3.2	<0.001	0.59	1.69	3.4	0.5	109.0	36.4	0.01	0.76	7.4	0.074
JN19020-044		3.9	300	1.4	6.3	<0.001	0.28	0.49	2.2	0.2	109.5	41.6	0.01	8.54	7.8	0.058
JN19020-045		1.6	390	9.9	15.4	<0.001	0.17	0.94	3.6	<0.2	3.4	13.9	<0.01	3.33	12.1	0.037
JN19020-046		1.4	460	8.6	9.8	<0.001	0.16	0.39	3.5	<0.2	2.2	24.2	<0.01	0.34	13.1	0.015
JN19020-047		1.4	440	13.1	8.2	<0.001	0.14	0.34	3.3	<0.2	2.8	15.8	<0.01	2.08	12.3	0.027
JN19020-048		12.6	230	2.2	0.2	<0.001	3.18	4.12	1.3	2.3	66.5	11.1	<0.01	25.2	2.5	<0.005
JN19020-049		9.4	170	1.1	0.1	<0.001	0.35	1.04	4.5	<0.2	75.8	29.4	<0.01	2.91	2.2	0.005
JN19020-050		2.3	260	0.7	1.8	<0.001	0.27	0.15	0.1	<0.2	11.0	37.3	<0.01	0.37	0.4	<0.005
JN19020-051		1.0	110	0.6	2.1	<0.001	0.18	0.12	0.1	<0.2	6.8	15.3	<0.01	0.21	0.3	<0.005
JN19020-052		1.6	90	1.9	3.4	0.002	0.22	0.12	0.2	<0.2	12.7	7.6	<0.01	0.09	0.7	0.013
JN19020-053		1.3	220	2.7	2.5	<0.001	0.10	0.22	0.2	<0.2	14.5	6.2	<0.01	0.17	1.1	0.014
JN19020-054		7.5	940	1.9	3.9	<0.001	0.10	0.24	1.6	<0.2	7.8	15.5	<0.01	0.48	3.1	0.010
JN19020-055		1.6	190	0.8	2.7	<0.001	0.29	0.19	0.2	<0.2	11.3	6.7	<0.01	0.09	0.8	0.011
JN19020-056		35.6	190	10.5	38.7	0.001	0.76	0.61	6.6	<0.2	3.6	64.2	<0.01	0.15	12.4	0.014
JN19020-057		42.8	530	18.2	35.4	<0.001	1.03	0.70	3.5	<0.2	1.7	39.5	<0.01	0.02	15.4	0.005
JN19020-058		40.6	670	9.8	40.1	<0.001	0.81	0.64	4.7	<0.2	1.0	73.9	<0.01	0.06	12.8	0.009
JN19020-059		34.0	770	7.2	52.5	<0.001	0.44	2.08	4.3	<0.2	1.0	77.2	<0.01	0.08	11.0	0.015
JN19020-060		36.5	150	11.5	26.6	<0.001	0.49	5.00	3.6	<0.2	0.7	99.2	<0.01	0.04	12.4	<0.005
JN19020-060S		4.6	540	3.4	7.6	0.060	0.05	0.23	2.7	0.3	5.9	83.8	<0.01	0.02	2.3	0.129
JN19020-061		40.8	520	43.6	32.4	<0.001	1.51	9.19	2.1	<0.2	1.8	57.8	<0.01	0.08	11.3	<0.005
JN19020-062		39.0	350	37.4	31.9	<0.001	1.39	6.19	1.9	<0.2	2.6	87.2	<0.01	0.03	12.0	<0.005
JN19020-062D		39.1	360	37.7	32.0	<0.001	1.42	6.32	1.9	<0.2	2.6	85.8	<0.01	0.02	12.7	<0.005
JN19020-063		38.6	200	62.2	43.8	<0.001	0.83	2.98	3.5	<0.2	1.4	50.3	<0.01	0.03	13.5	0.010
JN19020-064		36.1	660	13.3	31.7	<0.001	0.26	1.05	5.9	<0.2	2.3	66.4	<0.01	0.07	14.5	0.007
JN19020-065		40.6	420	13.5	23.4	<0.001	0.88	1.33	5.1	<0.2	1.5	22.6	<0.01	0.04	14.2	<0.005
JN19020-066		22.0	400	18.4	18.1	<0.001	1.05	1.47	2.5	<0.2	1.9	51.2	<0.01	0.07	8.6	<0.005
JN19020-067		7.6	80	31.9	9.6	<0.001	0.79	3.19	1.1	<0.2	1.4	25.3	<0.01	0.06	5.8	<0.005
JN19020-068		13.7	110	19.2	13.7	0.001	0.62	1.38	1.5	<0.2	1.7	16.4	<0.01	0.03	8.8	<0.005
JN19020-069		7.0	80	4.3	6.8	<0.001	0.62	2.11	1.5	<0.2	1.0	11.0	<0.01	0.02	8.9	<0.005
JN19020-069B		0.8	80	0.3	0.3	<0.001	0.01	0.05	0.1	0.3	<0.2	86.7	<0.01	0.01	<0.2	<0.005
JN19020-070		17.5	150	6.0	13.5	<0.001	0.68	1.33	1.9	<0.2	1.3	10.0	<0.01	<0.01	10.0	<0.005
JN19020-071		27.2	280	21.8	21.5	<0.001	0.88	1.63	2.6	<0.2	2.8	59.0	<0.01	0.02	12.2	<0.005
JN19020-072		14.6	310	22.1	13.3	<0.001	0.84	2.56	2.6	<0.2	1.8	24.4	<0.01	0.06	7.7	<0.005
JN19020-073		5.5	80	5.1	5.3	<0.001	0.19	0.78	1.7	<0.2	1.8	9.4	<0.01	0.01	6.9	<0.005

***** 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: 3-JUL-2019
Account: TELOEX

Project: Justin 2019 Diamond Drill

CERTIFICATE OF ANALYSIS WH19143868

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Ag-OG46	Au-AA24	Au-GRA22
	Analyte	Tl	U	V	W	Y	Zn	Zr	Ag	Au	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.05	1	0.05	0.05	2	0.5	1	0.005	0.05
JN19020-037		1.00	3.01	32	21.3	21.6	82	10.1		1.145	
JN19020-038		0.13	1.43	38	1.74	27.6	60	20.7		0.339	
JN19020-039		0.02	1.39	21	1.66	16.50	60	27.1		0.083	
JN19020-040		0.02	4.92	23	0.96	16.00	85	20.3		1.290	
JN19020-041		0.05	3.48	16	1.75	8.59	53	17.6		0.543	
JN19020-042		0.37	3.28	23	9.49	12.80	93	22.9		0.777	
JN19020-043		0.05	4.87	21	5.08	11.35	54	23.4		0.493	
JN19020-044		0.03	2.30	12	3.63	10.05	31	17.4		2.86	
JN19020-045		0.06	2.73	15	0.49	13.95	23	4.0		0.911	
JN19020-046		0.03	2.59	14	0.18	17.40	23	3.7		0.119	
JN19020-047		0.03	2.70	15	0.55	12.55	38	3.5		0.824	
JN19020-048		0.06	6.73	9	2.86	18.60	99	10.9		>10.0	10.50
JN19020-049		0.04	6.99	11	4.80	22.2	147	14.3		1.075	
JN19020-050		<0.02	2.23	<1	1.92	1.42	24	1.1		0.077	
JN19020-051		<0.02	0.71	<1	4.66	0.72	15	1.0		0.029	
JN19020-052		0.03	1.44	1	510	2.87	22	2.6		0.015	
JN19020-053		<0.02	1.21	1	23.8	1.73	20	2.6		0.025	
JN19020-054		0.03	1.13	8	33.0	12.15	36	3.3		0.058	
JN19020-055		0.03	1.65	1	14.15	1.50	20	2.3		0.018	
JN19020-056		0.28	2.06	22	144.5	11.45	69	6.4		0.068	
JN19020-057		0.28	2.22	11	5.16	8.26	125	4.5		<0.005	
JN19020-058		0.31	1.79	16	20.8	7.73	58	5.9		0.025	
JN19020-059		0.31	1.13	18	0.75	6.09	52	3.3		0.010	
JN19020-060		0.17	1.43	9	3.94	4.07	75	3.6		0.138	
JN19020-060S		0.26	1.80	76	3060	4.68	37	2.0		0.005	
JN19020-061		0.26	1.51	7	5.34	5.82	401	3.6		0.038	
JN19020-062		0.18	1.14	5	2.33	5.50	111	3.2		0.008	
JN19020-062D		0.17	1.18	5	1.42	5.35	115	3.2		0.009	
JN19020-063		0.30	1.63	15	1.46	4.75	466	4.2		0.009	
JN19020-064		0.22	1.93	22	3.58	9.04	69	3.9		0.031	
JN19020-065		0.30	1.59	24	4.69	6.05	65	4.4		0.014	
JN19020-066		0.27	0.92	9	4.89	4.76	70	2.7		0.016	
JN19020-067		0.25	0.55	3	5.76	2.67	64	1.2		0.017	
JN19020-068		0.23	0.79	6	15.60	3.51	25	2.7		0.012	
JN19020-069		0.23	0.68	5	8.39	3.85	14	1.7		0.016	
JN19020-069B		<0.02	0.17	1	0.05	2.07	<2	<0.5		<0.005	
JN19020-070		0.34	1.00	7	2.87	4.30	32	2.7		0.005	
JN19020-071		0.16	1.29	7	2.16	5.28	62	2.7		0.007	
JN19020-072		0.17	1.19	8	2.40	4.59	60	2.7		0.026	
JN19020-073		0.18	0.83	6	4.19	3.83	11	1.9		0.007	

***** 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-JUL-2019
Account: TELOEX

Project: Justin 2019 Diamond Drill

CERTIFICATE OF ANALYSIS WH19143868

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
JN19020-073D		<0.02	0.12	0.24	7.0	<0.02	<10	10	0.17	4.73	0.16	0.01	29.5	2.1	15	0.66
JN19020-074		3.46	0.04	0.29	4.1	0.05	<10	<10	0.16	2.23	0.06	<0.01	32.3	3.1	11	0.49
JN19020-075		3.16	0.02	0.34	0.8	<0.02	<10	<10	0.25	1.03	0.11	0.01	26.5	3.5	14	0.35
JN19020-076		2.84	0.03	0.32	0.5	<0.02	<10	<10	0.27	24.1	0.10	0.01	27.8	3.7	14	0.42
JN19020-077		3.65	0.02	0.45	3.2	<0.02	<10	10	0.36	0.42	0.11	0.01	29.0	5.7	14	0.74
JN19020-078		2.41	0.10	0.57	6.9	<0.02	<10	20	0.51	0.79	0.13	0.05	37.8	9.2	16	1.33
JN19020-079		4.20	0.50	0.67	24.2	<0.02	10	50	0.57	1.27	0.27	0.93	22.6	18.4	13	2.27
JN19020-079S		0.12	14.90	1.08	463	0.49	10	150	0.17	14.05	2.81	0.47	13.45	20.0	32	0.61
JN19020-080		3.33	0.48	0.76	15.2	<0.02	10	50	0.56	1.08	0.32	1.10	23.3	12.8	13	2.95
JN19020-081		2.82	0.08	0.80	7.1	<0.02	<10	20	0.88	17.40	0.19	0.03	43.1	12.1	20	1.62
JN19020-082		3.38	0.26	0.45	4.7	0.05	<10	10	0.41	26.8	0.24	0.03	41.9	4.9	11	0.93
JN19020-083		3.16	0.10	0.44	5.6	<0.02	<10	10	0.35	5.42	0.30	0.10	27.2	8.7	12	0.86
JN19020-084		3.83	0.38	0.55	17.2	<0.02	10	30	0.41	1.80	0.37	0.28	18.65	13.4	13	1.53
JN19020-085		4.08	0.02	0.49	4.6	<0.02	<10	10	0.45	0.09	0.14	0.01	34.2	8.3	15	1.05
JN19020-086		4.58	0.03	0.97	8.4	<0.02	<10	50	0.98	0.21	0.33	0.02	40.7	17.5	23	2.52
JN19020-087		4.94	0.07	0.99	8.6	<0.02	<10	60	0.90	0.33	0.33	0.10	30.7	13.9	22	2.62
JN19020-088		3.41	0.38	0.87	20.2	<0.02	10	60	0.59	1.02	0.41	0.40	24.3	14.9	15	3.76
JN19020-089		4.26	0.06	0.67	6.8	<0.02	<10	20	0.48	0.33	0.55	0.03	32.7	6.5	15	3.23

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

Finalized Date: 3-JUL-2019
Account: TELOEX

Project: Justin 2019 Diamond Drill

CERTIFICATE OF ANALYSIS WH19143868

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
JN19020-073D		10.4	0.96	1.02	<0.05	0.05	0.03	0.018	0.05	14.2	2.1	0.07	230	2.16	<0.01	<0.05
JN19020-074		5.5	1.30	1.21	0.05	0.06	0.06	0.012	0.05	15.7	3.4	0.02	56	0.70	<0.01	<0.05
JN19020-075		11.7	1.35	1.27	<0.05	0.08	0.02	0.018	0.03	12.7	2.9	0.07	322	0.44	<0.01	<0.05
JN19020-076		20.1	1.27	1.22	0.05	0.07	<0.01	0.018	0.02	13.0	2.8	0.06	304	0.47	<0.01	<0.05
JN19020-077		17.5	1.61	1.69	<0.05	0.08	<0.01	0.015	0.07	13.6	4.6	0.09	366	1.04	<0.01	<0.05
JN19020-078		36.4	2.27	2.23	<0.05	0.10	<0.01	0.026	0.14	18.9	7.2	0.18	523	1.40	<0.01	<0.05
JN19020-079		49.6	3.85	2.36	<0.05	0.08	0.04	0.061	0.32	11.4	10.0	0.34	777	2.55	<0.01	<0.05
JN19020-079S		7910	3.17	3.62	0.05	0.14	0.34	0.092	0.17	7.7	5.5	0.35	597	547	0.10	0.26
JN19020-080		53.0	3.75	2.41	<0.05	0.08	0.01	0.044	0.37	12.3	13.1	0.51	732	3.57	<0.01	<0.05
JN19020-081		49.1	3.12	3.18	0.05	0.10	0.01	0.044	0.17	22.9	9.7	0.25	677	4.40	<0.01	<0.05
JN19020-082		35.3	1.48	1.96	0.05	0.11	<0.01	0.027	0.12	22.1	6.3	0.10	377	7.10	<0.01	<0.05
JN19020-083		31.8	2.04	1.66	<0.05	0.09	0.01	0.031	0.12	13.2	5.3	0.20	433	0.74	<0.01	<0.05
JN19020-084		36.7	3.07	1.86	<0.05	0.07	<0.01	0.032	0.23	8.9	6.6	0.35	572	0.87	<0.01	<0.05
JN19020-085		14.0	1.72	1.85	0.05	0.05	<0.01	0.008	0.11	17.0	4.5	0.11	324	1.57	<0.01	<0.05
JN19020-086		28.2	3.85	3.73	0.05	0.08	<0.01	0.020	0.27	22.5	17.0	0.25	654	3.67	<0.01	<0.05
JN19020-087		39.5	4.43	3.85	0.05	0.13	0.01	0.023	0.34	16.0	18.1	0.42	793	0.96	<0.01	<0.05
JN19020-088		32.4	3.75	2.89	<0.05	0.08	0.01	0.025	0.42	12.3	18.6	0.59	555	1.08	<0.01	0.05
JN19020-089		40.8	1.76	2.56	0.06	0.05	<0.01	0.019	0.24	16.5	16.8	0.36	360	0.71	<0.01	0.08

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

Finalized Date: 3-JUL-2019
Account: TELOEX

Project: Justin 2019 Diamond Drill

CERTIFICATE OF ANALYSIS WH19143868

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
JN19020-073D		5.6	80	5.0	5.4	<0.001	0.18	0.80	1.7	<0.2	1.8	10.2	<0.01	0.01	6.6	<0.005
JN19020-074		8.7	60	1.6	6.2	<0.001	1.25	8.56	0.9	0.2	1.3	3.2	<0.01	0.02	9.5	<0.005
JN19020-075		6.9	70	0.9	3.6	<0.001	0.03	0.19	2.4	<0.2	0.7	3.7	<0.01	<0.01	7.5	<0.005
JN19020-076		9.3	90	1.1	3.6	<0.001	0.03	0.21	2.3	<0.2	0.7	2.0	<0.01	0.04	6.9	<0.005
JN19020-077		13.6	90	2.9	7.7	<0.001	0.07	0.33	3.3	<0.2	0.7	3.5	<0.01	<0.01	9.3	<0.005
JN19020-078		20.6	110	11.7	12.3	<0.001	0.24	0.43	5.0	<0.2	1.2	5.8	<0.01	0.01	11.0	<0.005
JN19020-079		35.3	350	68.3	23.0	<0.001	1.40	1.01	4.0	0.2	1.5	15.1	<0.01	0.02	12.9	<0.005
JN19020-079S		23.4	610	24.7	5.6	0.379	0.68	27.7	1.9	1.5	2.3	161.5	<0.01	1.51	1.5	0.065
JN19020-080		34.1	490	80.6	25.4	<0.001	1.10	0.69	3.2	<0.2	1.3	19.8	<0.01	0.01	12.9	<0.005
JN19020-081		37.6	210	11.7	14.0	<0.001	0.19	0.72	6.6	0.2	1.5	7.8	<0.01	0.02	15.1	<0.005
JN19020-082		16.5	520	9.1	11.5	<0.001	0.07	0.67	4.5	<0.2	0.8	9.4	<0.01	0.13	9.8	<0.005
JN19020-083		17.2	150	4.6	10.4	<0.001	0.16	0.32	3.7	<0.2	1.0	15.4	<0.01	0.02	8.6	<0.005
JN19020-084		25.6	180	19.4	16.5	<0.001	0.53	0.80	3.4	<0.2	0.8	23.7	<0.01	0.01	9.0	<0.005
JN19020-085		22.9	140	2.9	9.7	<0.001	0.05	0.30	3.5	<0.2	1.0	4.4	<0.01	<0.01	11.1	<0.005
JN19020-086		44.2	370	11.8	18.6	0.001	0.14	0.60	6.8	<0.2	0.9	9.4	<0.01	0.01	15.9	<0.005
JN19020-087		41.6	610	19.9	23.6	<0.001	0.37	0.69	7.5	<0.2	0.9	11.2	<0.01	0.01	14.5	<0.005
JN19020-088		40.2	530	61.6	31.4	<0.001	0.72	0.69	3.8	<0.2	0.7	21.7	<0.01	0.03	12.7	0.007
JN19020-089		16.3	120	4.8	26.6	<0.001	0.26	0.38	2.9	<0.2	0.8	24.6	<0.01	0.02	10.4	0.013

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

Finalized Date: 3-JUL-2019
Account: TELOEX

Project: Justin 2019 Diamond Drill

CERTIFICATE OF ANALYSIS WH19143868

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-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05
JN19020-073D	0.17	0.85	5	4.22	3.69	11	1.9		0.009	
JN19020-074	0.53	0.93	3	2.21	3.51	11	2.5		0.045	
JN19020-075	0.04	0.60	13	0.81	3.67	18	3.4		<0.005	
JN19020-076	0.05	0.50	11	1.68	4.33	16	3.7		0.025	
JN19020-077	0.06	0.75	14	1.71	4.57	22	4.5		0.012	
JN19020-078	0.10	1.12	17	1.95	6.31	36	4.4		0.008	
JN19020-079	0.37	1.84	15	0.78	6.40	200	3.6		0.007	
JN19020-079S	0.06	1.59	39	7.43	5.59	54	4.1		0.503	
JN19020-080	0.27	1.71	13	0.62	5.68	216	3.4		<0.005	
JN19020-081	0.25	2.02	27	2.90	7.98	61	7.0		0.011	
JN19020-082	0.11	0.85	13	3.14	8.57	23	4.5		0.053	
JN19020-083	0.10	0.90	12	1.21	4.52	34	3.6		<0.005	
JN19020-084	0.11	1.16	12	0.58	4.13	89	3.1		<0.005	
JN19020-085	0.07	1.12	16	0.74	4.72	25	3.5		<0.005	
JN19020-086	0.27	2.50	35	3.04	7.88	69	5.9		<0.005	
JN19020-087	0.40	2.06	29	1.05	8.60	90	6.7		<0.005	
JN19020-088	0.28	1.76	15	0.44	5.84	97	3.1		<0.005	
JN19020-089	0.25	1.27	13	1.17	5.65	20	2.3		0.008	

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

Finalized Date: 3-JUL-2019
Account: TELOEX

Project: Justin 2019 Diamond Drill

CERTIFICATE OF ANALYSIS WH19143868

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	LOG-22
LOG-22d	LOG-24	OA-HSUL10	PUL-32m
PUL-32md	PUL-QC	SPL-21	SPL-21d
WEI-21			

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

Applies to Method:

Ag-OG46	Au-AA24	Au-GRA22	ME-MS41
ME-OG46			

ALS Canada Ltd.

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

Finalized Date: 2-JUL-2019
This copy reported on 5-FEB-2020
Account: TELOEX

WH19146777

Project: Justin 2019 RAB Drill Program

P.O. No.: JN2019-1

This report is for 22 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 17-JUN-2019.

The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS41	Ultra Trace Aqua Regia ICP-MS	
Au-AA24	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:

Saa Traxler, General Manager, North Vancouver

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SUITE 200
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Finalized Date: 2-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19146777

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
JN19024-001		1.01	0.02	0.50	35.7	<0.02	<10	20	0.12	0.11	3.68	0.03	24.9	5.7	15	0.37
JN19024-002		1.63	0.04	1.27	37.0	<0.02	<10	30	0.22	0.23	0.34	0.08	37.6	9.3	24	0.44
JN19024-003		1.10	0.05	0.78	33.2	<0.02	<10	20	0.21	0.18	0.10	0.11	37.6	8.2	18	0.37
JN19024-004		2.94	0.08	0.37	25.8	<0.02	<10	20	0.19	0.21	0.07	0.07	32.8	5.8	14	0.50
JN19024-005		3.65	0.09	0.23	61.7	<0.02	<10	10	0.13	0.10	0.04	0.02	31.5	3.7	12	0.49
JN19024-006		3.67	0.08	0.25	109.5	<0.02	<10	10	0.13	0.22	0.05	0.04	32.2	4.1	14	0.69
JN19024-007		1.82	0.06	0.20	46.2	<0.02	<10	10	0.10	0.08	0.03	0.02	27.8	3.0	9	0.56
JN19024-008		2.73	0.04	0.27	45.8	<0.02	<10	20	0.19	0.08	0.05	0.03	35.6	3.2	10	0.68
JN19024-009		2.30	0.13	0.21	966	0.07	<10	10	0.21	0.69	0.07	0.03	27.0	7.9	9	0.68
JN19024-010		2.04	0.26	0.27	93.5	<0.02	<10	10	0.42	0.47	0.21	0.02	29.2	8.8	13	0.80
JN19024-010D		1.78	0.26	0.27	75.7	<0.02	<10	20	0.38	0.50	0.22	0.01	27.4	7.5	12	0.76
JN19024-011		2.40	0.22	0.48	32.4	<0.02	<10	30	0.68	0.67	0.37	0.25	43.9	17.0	32	1.27
JN19024-012		2.37	0.08	0.36	43.4	<0.02	<10	30	0.43	0.17	0.21	0.01	34.9	17.9	24	1.14
JN19024-013		2.65	0.24	0.34	52.2	<0.02	<10	20	0.35	0.43	0.19	0.06	32.4	12.3	15	1.28
JN19024-014		2.26	0.11	0.24	18.6	<0.02	<10	10	0.18	0.22	0.10	0.03	29.8	4.5	11	0.62
JN19024-015		2.55	0.06	0.17	208	<0.02	<10	10	0.12	0.12	0.06	0.01	20.5	3.5	9	0.51
JN19024-016		2.41	0.04	0.17	48.6	<0.02	<10	10	0.13	0.09	0.06	0.02	21.3	3.2	8	0.34
JN19024-017		1.86	0.05	0.21	50.3	<0.02	<10	10	0.12	0.11	0.06	0.01	23.4	3.2	9	0.56
JN19024-018		2.58	0.05	0.19	319	<0.02	<10	10	0.16	0.10	0.06	0.01	24.6	3.7	8	0.56
JN19024-018B		2.86	<0.01	0.01	0.3	<0.02	10	10	<0.05	0.01	>25.0	0.01	0.90	0.3	1	<0.05
JN19024-019		1.50	0.07	0.26	122.0	<0.02	<10	20	0.25	0.13	0.24	0.02	26.2	6.3	7	0.86
JN19024-020		2.71	0.05	0.27	661	0.11	<10	20	0.38	0.10	0.19	0.02	25.1	6.3	10	0.72

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

ALS Canada Ltd.

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

Finalized Date: 2-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19146777

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
JN19024-001		9.1	1.68	1.93	<0.05	<0.02	0.01	0.012	0.08	11.5	13.8	0.20	387	1.57	0.01	0.07
JN19024-002		17.5	3.07	4.22	0.06	0.02	0.02	0.014	0.10	18.5	39.5	0.51	402	0.56	0.01	0.05
JN19024-003		20.1	2.68	2.68	0.06	0.03	0.01	0.015	0.07	17.7	22.9	0.28	415	0.88	0.01	<0.05
JN19024-004		16.5	1.87	1.30	0.05	0.04	0.01	0.021	0.07	16.2	7.3	0.10	304	0.87	0.01	<0.05
JN19024-005		15.2	1.63	0.82	<0.05	0.04	<0.01	0.013	0.06	16.1	2.8	0.04	203	0.81	<0.01	<0.05
JN19024-006		12.2	1.60	0.87	<0.05	0.06	0.01	0.019	0.08	15.3	1.9	0.03	234	1.11	0.01	<0.05
JN19024-007		9.6	1.72	0.71	<0.05	0.06	<0.01	0.014	0.06	14.3	1.1	0.02	312	0.50	<0.01	<0.05
JN19024-008		8.5	1.10	0.98	<0.05	0.06	<0.01	0.019	0.10	17.1	1.8	0.03	302	0.47	0.01	<0.05
JN19024-009		32.9	1.65	0.85	<0.05	0.06	<0.01	0.025	0.09	13.2	1.4	0.05	199	0.52	0.01	<0.05
JN19024-010		49.5	3.10	1.14	<0.05	0.06	0.01	0.031	0.09	14.1	2.9	0.19	531	0.47	0.01	<0.05
JN19024-010D		48.1	3.05	1.09	<0.05	0.07	0.01	0.025	0.10	13.4	2.8	0.19	523	0.43	0.01	<0.05
JN19024-011		56.0	4.81	2.20	0.06	0.09	0.01	0.048	0.14	20.7	3.2	0.36	551	0.24	0.01	<0.05
JN19024-012		30.9	3.20	1.58	<0.05	0.09	<0.01	0.026	0.12	17.4	1.6	0.23	414	0.21	0.01	<0.05
JN19024-013		21.4	3.38	1.29	<0.05	0.10	0.01	0.022	0.11	15.6	2.0	0.19	570	0.39	0.01	<0.05
JN19024-014		12.4	1.75	0.87	<0.05	0.07	0.01	0.018	0.08	14.1	1.2	0.09	310	0.36	0.01	<0.05
JN19024-015		7.3	1.30	0.62	<0.05	0.08	<0.01	0.012	0.06	10.3	1.0	0.05	201	0.66	0.01	<0.05
JN19024-016		4.6	1.36	0.60	<0.05	0.07	0.01	0.011	0.05	10.2	1.1	0.05	250	0.57	0.01	<0.05
JN19024-017		8.3	1.46	0.70	<0.05	0.07	0.01	0.012	0.06	11.4	1.1	0.04	142	0.57	0.01	<0.05
JN19024-018		9.2	1.22	0.68	<0.05	0.07	0.01	0.015	0.07	12.1	1.4	0.05	177	0.58	0.01	<0.05
JN19024-018B		3.1	0.06	0.05	<0.05	<0.02	<0.01	0.006	0.01	1.1	0.5	0.80	83	0.07	<0.01	<0.05
JN19024-019		23.3	1.87	0.89	<0.05	0.10	<0.01	0.021	0.09	12.7	1.5	0.09	339	0.53	<0.01	<0.05
JN19024-020		16.3	2.87	0.97	<0.05	0.10	<0.01	0.016	0.10	12.6	1.6	0.17	578	0.59	0.01	<0.05

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

ALS Canada Ltd.

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

Finalized Date: 2-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19146777

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
JN19024-001		14.1	190	12.5	4.2	0.001	0.06	0.45	1.0	<0.2	0.2	150.5	<0.01	0.01	5.1	<0.005
JN19024-002		26.9	340	15.2	5.4	<0.001	0.03	0.71	1.5	<0.2	0.2	20.5	<0.01	0.02	6.4	<0.005
JN19024-003		22.2	350	12.2	3.9	<0.001	0.01	0.88	1.3	<0.2	0.2	13.3	<0.01	0.02	6.2	<0.005
JN19024-004		15.0	220	7.8	4.2	<0.001	0.05	0.75	0.8	<0.2	0.4	8.6	<0.01	0.01	7.1	<0.005
JN19024-005		12.2	90	4.4	4.0	<0.001	0.04	0.74	0.6	<0.2	0.3	6.4	<0.01	0.01	7.6	<0.005
JN19024-006		10.2	230	11.0	5.4	<0.001	0.02	0.55	0.6	<0.2	0.5	7.2	<0.01	<0.01	9.8	<0.005
JN19024-007		7.6	100	5.0	3.9	<0.001	0.03	0.54	0.6	<0.2	0.3	5.1	<0.01	<0.01	7.1	<0.005
JN19024-008		11.2	100	3.7	6.9	<0.001	0.09	0.50	0.7	<0.2	1.3	8.3	<0.01	<0.01	9.1	<0.005
JN19024-009		13.7	130	4.5	7.2	<0.001	0.54	1.20	0.8	<0.2	1.0	6.0	<0.01	0.03	8.1	<0.005
JN19024-010		29.3	180	10.5	8.8	<0.001	0.69	1.02	1.5	0.2	1.2	12.3	<0.01	0.01	9.9	<0.005
JN19024-010D		28.1	200	10.0	8.4	<0.001	0.69	0.96	1.4	0.2	1.1	11.9	<0.01	<0.01	9.1	<0.005
JN19024-011		68.2	390	22.3	9.9	<0.001	0.77	2.11	3.6	0.4	2.9	22.0	<0.01	0.01	10.2	<0.005
JN19024-012		51.4	170	4.6	6.0	<0.001	0.10	0.59	1.6	<0.2	0.3	14.0	<0.01	<0.01	10.9	<0.005
JN19024-013		33.6	170	23.7	5.8	<0.001	0.34	0.60	1.5	0.2	0.4	14.4	<0.01	<0.01	10.6	<0.005
JN19024-014		13.8	130	9.1	4.9	<0.001	0.22	0.47	1.1	<0.2	0.5	10.4	<0.01	<0.01	9.4	<0.005
JN19024-015		9.8	70	6.5	3.5	<0.001	0.22	0.34	0.6	<0.2	0.2	6.9	<0.01	<0.01	6.5	<0.005
JN19024-016		8.1	70	3.8	2.8	<0.001	0.15	0.26	0.8	<0.2	<0.2	6.3	<0.01	<0.01	6.9	<0.005
JN19024-017		8.3	120	3.9	3.3	<0.001	0.14	1.52	0.8	<0.2	0.2	8.4	<0.01	<0.01	7.0	<0.005
JN19024-018		9.6	80	2.2	3.9	<0.001	0.15	0.61	0.7	<0.2	<0.2	6.9	<0.01	<0.01	8.3	<0.005
JN19024-018B		4.6	80	0.3	0.3	<0.001	<0.01	0.05	0.1	0.4	<0.2	83.2	<0.01	<0.01	<0.2	<0.005
JN19024-019		17.4	280	8.8	4.9	<0.001	0.18	0.71	1.2	<0.2	<0.2	12.4	<0.01	<0.01	7.7	<0.005
JN19024-020		18.7	130	4.1	4.6	<0.001	0.20	0.64	1.4	<0.2	<0.2	11.1	<0.01	<0.01	7.6	<0.005

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

Finalized Date: 2-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19146777

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.05	1	0.05	0.05	2	0.5	0.005
JN19024-001		0.05	0.53	6	3.08	3.56	36	0.5	<0.005
JN19024-002		0.05	0.74	13	0.76	2.91	61	1.1	<0.005
JN19024-003		0.05	0.68	9	2.36	2.71	47	1.7	0.005
JN19024-004		0.05	0.81	5	1.99	2.08	27	2.2	0.006
JN19024-005		0.04	0.52	3	1.86	1.60	19	2.4	0.015
JN19024-006		0.06	0.74	4	2.16	2.10	26	2.9	0.009
JN19024-007		0.04	0.52	3	1.26	1.63	16	3.1	0.006
JN19024-008		0.08	0.81	4	0.73	2.51	16	2.9	<0.005
JN19024-009		0.09	0.69	4	1.21	2.62	15	2.8	0.064
JN19024-010		0.09	0.86	8	1.13	4.00	30	3.8	0.005
JN19024-010D		0.10	0.80	8	1.04	3.83	28	3.6	0.005
JN19024-011		0.18	1.32	26	0.12	6.00	145	5.4	<0.005
JN19024-012		0.07	1.09	16	0.09	2.74	87	4.4	<0.005
JN19024-013		0.05	0.88	10	0.42	3.03	61	4.2	0.006
JN19024-014		0.04	0.69	6	0.63	2.25	25	3.4	0.005
JN19024-015		0.04	0.45	3	1.40	1.42	17	2.7	0.008
JN19024-016		0.03	0.46	3	1.15	1.56	19	2.8	0.007
JN19024-017		0.10	0.48	4	1.08	1.45	17	3.2	0.007
JN19024-018		0.05	0.54	3	1.27	1.56	15	3.0	0.010
JN19024-018B		<0.02	0.13	<1	0.05	2.09	<2	<0.5	<0.005
JN19024-019		0.05	0.64	3	0.98	2.36	29	4.4	0.009
JN19024-020		0.04	0.63	5	1.06	2.56	31	4.9	0.064

***** 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: 2-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19146777

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	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-AA24 ME-MS41

ALS Canada Ltd.

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

Finalized Date: 3-JUL-2019
This copy reported on 5-FEB-2020
Account: TELOEX

WH19146789

Project: Justin 2019 RAB Drill Program

P.O. No.: JN2019-1

This report is for 22 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 17-JUN-2019.

The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS41	Ultra Trace Aqua Regia ICP-MS	
Au-AA24	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:

Saa Traxler, General Manager, North Vancouver

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Finalized Date: 3-JUL-2019
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Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19146789

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
JN19022-001		0.75	0.08	1.45	58.4	<0.02	<10	50	0.33	0.32	0.21	0.07	44.6	12.3	27	0.85
JN19022-002		3.29	0.05	1.34	32.5	<0.02	<10	30	0.33	0.27	0.13	0.09	50.6	13.0	25	0.49
JN19022-003		2.98	0.08	0.44	33.6	<0.02	<10	20	0.19	0.15	0.05	0.05	35.6	6.2	13	0.47
JN19022-004		2.35	0.06	0.27	11.9	<0.02	<10	20	0.24	0.19	0.05	0.03	35.0	4.5	12	0.66
JN19022-005		3.56	0.05	0.41	25.7	<0.02	<10	30	0.48	0.26	0.14	0.02	83.7	10.2	14	1.47
JN19022-006		1.27	0.09	0.29	70.7	<0.02	<10	20	0.21	0.15	0.07	0.04	38.7	4.3	9	1.08
JN19022-007		2.88	0.21	0.19	146.5	<0.02	<10	10	0.22	0.35	0.04	0.04	24.0	8.2	10	0.58
JN19022-008		3.23	0.12	0.25	209	<0.02	<10	20	0.34	0.84	0.07	0.03	32.0	6.6	11	0.74
JN19022-009		2.76	0.07	0.19	77.4	<0.02	<10	10	0.24	0.25	0.08	0.02	25.5	3.5	9	0.54
JN19022-010		2.54	0.03	0.20	41.4	<0.02	<10	10	0.18	0.09	0.09	0.03	25.1	4.0	8	0.69
JN19022-010D		1.85	0.03	0.19	37.9	<0.02	<10	10	0.17	0.10	0.08	0.01	25.2	3.9	8	0.67
JN19022-011		2.79	0.05	0.19	17.0	<0.02	<10	10	0.11	0.13	0.06	0.01	26.4	2.8	9	0.61
JN19022-012		2.86	0.04	0.16	13.1	<0.02	<10	10	0.10	0.14	0.04	0.01	26.3	4.0	8	0.43
JN19022-013		3.16	0.06	0.25	77.2	<0.02	<10	10	0.15	0.12	0.08	0.01	26.5	5.8	11	0.67
JN19022-014		3.03	0.18	0.16	34.5	1.80	<10	10	0.10	0.72	0.06	0.03	23.5	4.1	9	0.41
JN19022-015		3.00	0.02	0.17	32.4	<0.02	<10	10	0.12	0.08	0.06	0.01	26.5	3.6	9	0.48
JN19022-015B		3.02	<0.01	0.02	0.7	<0.02	<10	10	<0.05	0.02	>25.0	0.01	0.98	0.3	1	<0.05
JN19022-016		2.49	0.20	0.16	5740	0.63	<10	10	0.10	6.22	0.05	0.02	21.9	16.1	9	0.62
JN19022-017		3.02	0.05	0.18	1145	0.06	<10	20	0.12	1.32	0.06	0.02	28.0	9.9	9	0.76
JN19022-018		3.23	0.05	0.24	1435	0.05	<10	30	0.20	0.63	0.20	0.01	38.2	14.1	8	1.17
JN19022-019		1.96	0.02	0.16	286	<0.02	<10	10	0.08	0.16	0.06	0.02	24.3	3.3	9	0.63
JN19022-020		2.83	0.08	0.14	1155	0.02	<10	10	0.08	0.45	0.04	0.01	24.1	3.5	8	0.44

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

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Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19146789

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
JN19022-001		17.4	3.48	4.95	0.06	0.03	0.01	0.022	0.11	23.3	45.8	0.55	472	5.34	0.01	0.26
JN19022-002		23.2	3.73	4.33	0.06	0.03	0.01	0.021	0.08	26.7	47.9	0.55	482	2.56	0.01	<0.05
JN19022-003		14.0	1.81	1.39	<0.05	0.06	0.01	0.011	0.08	18.2	9.6	0.12	284	1.40	0.01	<0.05
JN19022-004		12.9	1.48	0.84	<0.05	0.08	0.01	0.015	0.08	17.9	2.4	0.04	290	1.53	0.01	<0.05
JN19022-005		15.9	2.12	1.48	0.08	0.07	<0.01	0.032	0.14	43.3	2.3	0.05	487	1.83	<0.01	<0.05
JN19022-006		23.4	2.04	0.89	<0.05	0.06	<0.01	0.023	0.09	18.3	2.3	0.03	319	1.26	<0.01	<0.05
JN19022-007		20.0	1.50	0.65	<0.05	0.05	0.01	0.025	0.07	11.7	1.4	0.02	263	0.87	0.01	<0.05
JN19022-008		32.9	2.01	0.99	<0.05	0.06	0.01	0.019	0.08	15.6	1.9	0.03	375	0.63	0.01	<0.05
JN19022-009		14.3	1.45	0.73	<0.05	0.05	0.01	0.016	0.07	12.7	1.7	0.05	239	0.64	0.01	<0.05
JN19022-010		9.0	2.34	0.68	<0.05	0.08	<0.01	0.014	0.06	12.2	1.7	0.09	590	0.53	<0.01	<0.05
JN19022-010D		8.4	2.16	0.63	<0.05	0.06	<0.01	0.012	0.06	12.0	1.5	0.08	536	0.51	<0.01	<0.05
JN19022-011		13.1	1.43	0.68	<0.05	0.07	0.01	0.013	0.06	12.7	1.1	0.05	252	0.55	<0.01	<0.05
JN19022-012		16.4	0.97	0.59	<0.05	0.06	<0.01	0.011	0.04	12.6	1.0	0.03	134	0.56	0.01	<0.05
JN19022-013		21.5	2.63	0.91	<0.05	0.09	<0.01	0.020	0.08	12.7	1.3	0.08	399	0.66	0.01	<0.05
JN19022-014		8.5	2.08	0.58	<0.05	0.08	<0.01	0.012	0.04	11.2	0.8	0.06	340	0.55	0.01	<0.05
JN19022-015		5.9	1.80	0.61	<0.05	0.07	<0.01	0.009	0.05	13.0	0.8	0.05	273	0.58	<0.01	<0.05
JN19022-015B		2.9	0.07	0.08	<0.05	<0.02	<0.01	0.006	0.01	1.2	0.6	0.66	87	0.06	<0.01	<0.05
JN19022-016		11.9	1.61	0.57	0.05	0.08	<0.01	0.012	0.06	10.4	0.9	0.04	138	0.70	0.01	<0.05
JN19022-017		26.7	1.26	0.69	0.05	0.07	0.01	0.013	0.08	13.1	0.9	0.03	126	0.79	0.01	<0.05
JN19022-018		19.5	2.74	0.94	0.06	0.16	<0.01	0.013	0.11	18.4	0.9	0.08	314	0.75	0.01	<0.05
JN19022-019		7.9	1.50	0.53	<0.05	0.09	<0.01	0.009	0.06	11.3	0.9	0.04	181	0.65	<0.01	<0.05
JN19022-020		8.8	1.18	0.52	0.05	0.07	<0.01	0.007	0.05	11.4	0.6	0.03	121	0.66	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-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19146789

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
JN19022-001		27.3	510	21.1	7.2	<0.001	0.02	0.67	1.5	0.2	0.3	23.9	<0.01	0.03	6.3	<0.005
JN19022-002		31.8	550	14.7	4.5	<0.001	0.01	0.85	1.6	<0.2	0.2	15.8	<0.01	0.01	8.7	<0.005
JN19022-003		16.3	160	8.3	4.3	<0.001	0.03	0.66	0.7	0.2	0.3	8.5	<0.01	<0.01	8.3	<0.005
JN19022-004		15.9	140	4.3	4.4	<0.001	0.01	0.92	0.7	<0.2	0.9	7.7	<0.01	<0.01	8.1	<0.005
JN19022-005		26.3	410	3.8	8.3	<0.001	0.02	0.96	1.1	<0.2	3.3	16.9	<0.01	0.01	15.3	<0.005
JN19022-006		14.6	180	8.8	6.4	<0.001	0.01	0.55	0.8	0.3	1.8	9.2	<0.01	0.01	8.2	<0.005
JN19022-007		10.8	110	29.5	5.9	<0.001	0.16	0.74	0.6	<0.2	1.1	4.9	<0.01	0.01	7.2	<0.005
JN19022-008		15.4	230	3.9	6.4	<0.001	0.05	0.70	1.1	<0.2	1.0	7.8	<0.01	0.02	8.0	<0.005
JN19022-009		10.8	170	3.3	5.2	<0.001	0.15	0.42	0.8	<0.2	0.7	7.3	<0.01	<0.01	7.6	<0.005
JN19022-010		10.4	70	2.3	3.9	<0.001	0.13	0.32	0.8	<0.2	0.3	7.7	<0.01	<0.01	7.2	<0.005
JN19022-010D		10.5	60	2.2	3.8	<0.001	0.12	0.32	0.8	<0.2	0.3	7.3	<0.01	<0.01	7.2	<0.005
JN19022-011		9.6	20	2.7	4.5	<0.001	0.19	0.59	0.7	<0.2	0.4	8.3	<0.01	0.01	8.0	<0.005
JN19022-012		10.8	30	1.6	3.0	<0.001	0.23	1.23	0.6	<0.2	0.4	8.2	<0.01	<0.01	8.9	<0.005
JN19022-013		16.4	70	1.9	5.7	<0.001	0.28	0.52	1.3	<0.2	0.6	14.4	<0.01	<0.01	8.3	<0.005
JN19022-014		10.5	40	1.5	2.7	<0.001	0.16	0.49	1.1	<0.2	0.2	14.8	<0.01	<0.01	6.0	<0.005
JN19022-015		8.6	70	1.3	3.1	<0.001	0.09	0.24	0.8	<0.2	0.2	13.3	<0.01	<0.01	6.9	<0.005
JN19022-015B		4.8	70	0.4	0.5	<0.001	<0.01	<0.05	0.2	0.3	<0.2	89.3	<0.01	<0.01	<0.2	<0.005
JN19022-016		13.0	40	4.7	4.7	0.001	0.42	2.09	0.6	<0.2	0.3	9.0	<0.01	0.18	8.3	<0.005
JN19022-017		18.5	120	2.7	5.8	0.001	0.33	0.84	0.7	<0.2	0.4	13.6	<0.01	0.02	8.4	<0.005
JN19022-018		26.9	460	2.4	5.7	<0.001	0.30	0.96	1.0	<0.2	0.4	21.7	<0.01	0.03	12.4	<0.005
JN19022-019		8.6	50	1.4	3.7	<0.001	0.09	0.35	0.6	<0.2	0.4	9.4	<0.01	<0.01	6.9	<0.005
JN19022-020		8.1	40	33.9	2.9	<0.001	0.15	0.72	0.5	0.2	0.2	9.0	<0.01	0.02	7.3	<0.005

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SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 3-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19146789

Sample Description / Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Au-AA24
Analyte	Tl	U	V	W	Y	Zn	Zr	Au
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LOD	0.02	0.05	1	0.05	0.05	2	0.5	0.005
JN19022-001	0.06	1.10	16	1.64	3.47	93	0.9	0.019
JN19022-002	0.05	0.77	13	1.87	3.56	86	2.0	<0.005
JN19022-003	0.04	0.61	5	3.26	1.91	42	2.9	0.006
JN19022-004	0.06	0.86	4	1.17	2.27	23	3.0	<0.005
JN19022-005	0.07	1.41	7	0.96	5.72	28	3.4	<0.005
JN19022-006	0.06	0.61	4	1.64	2.76	32	3.1	<0.005
JN19022-007	0.05	0.56	3	1.70	2.35	32	2.2	<0.005
JN19022-008	0.08	0.85	6	1.03	3.16	23	2.4	0.036
JN19022-009	0.06	0.67	4	1.18	2.49	21	2.4	0.011
JN19022-010	0.04	0.50	3	0.99	2.81	23	3.3	0.011
JN19022-010D	0.03	0.52	3	0.93	2.64	19	3.1	0.008
JN19022-011	0.04	0.48	4	0.95	1.69	15	2.9	<0.005
JN19022-012	0.03	0.57	3	1.16	1.55	14	2.8	<0.005
JN19022-013	0.05	0.80	5	1.01	2.21	20	3.8	<0.005
JN19022-014	0.02	0.46	4	0.99	1.91	17	2.9	0.321
JN19022-015	0.02	0.42	4	0.99	1.72	16	3.0	<0.005
JN19022-015B	<0.02	0.06	<1	<0.05	2.44	<2	<0.5	<0.005
JN19022-016	0.04	0.53	3	1.14	1.48	14	2.9	0.625
JN19022-017	0.06	0.64	3	1.01	2.09	15	2.7	0.381
JN19022-018	0.05	1.41	4	0.63	3.42	22	5.7	0.102
JN19022-019	0.03	0.47	3	0.94	1.40	11	3.2	0.013
JN19022-020	0.02	0.45	2	1.17	1.15	14	2.7	0.033

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

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
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Finalized Date: 3-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19146789

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	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-AA24 ME-MS41

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Finalized Date: 3-JUL-2019
This copy reported on 5-FEB-2020
Account: TELOEX

WH19146797

Project: Justin 2019 RAB Drill Program

P.O. No.: JN2019-1 (shipment 5)

This report is for 22 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 17-JUN-2019.

The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32m	Pulverize 500g - 85%<75um
BAG-01	Bulk Master for Storage
LOG-24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS41	Ultra Trace Aqua Regia ICP-MS	
Ag-OG46	Ore Grade Ag - Aqua Regia	
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Au-AA24	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:

Saa Traxler, General Manager, North Vancouver

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Finalized Date: 3-JUL-2019
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Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19146797

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
JN19023-001		1.38	0.03	1.35	35.3	<0.02	<10	50	0.31	0.22	0.54	0.08	39.2	10.6	26	0.45
JN19023-002		3.63	0.07	1.03	31.7	<0.02	<10	30	0.29	0.30	0.10	0.08	47.8	11.6	20	0.52
JN19023-003		3.32	0.06	0.23	27.7	<0.02	<10	20	0.21	0.25	0.05	0.01	41.8	8.4	9	0.69
JN19023-004		3.44	0.03	0.20	19.3	<0.02	<10	20	0.17	0.45	0.04	0.01	43.0	7.1	8	0.79
JN19023-005		3.70	0.03	0.20	11.9	<0.02	<10	10	0.15	0.18	0.02	0.01	35.0	4.2	10	0.70
JN19023-006		2.13	0.02	0.15	25.9	<0.02	<10	10	0.23	0.26	0.05	0.03	34.0	3.6	9	0.50
JN19023-007		2.52	0.06	0.18	39.7	<0.02	<10	10	0.12	0.20	0.05	0.02	26.7	2.5	7	0.71
JN19023-008		2.24	0.01	0.19	13.2	<0.02	<10	10	0.19	0.12	0.09	0.02	38.0	2.3	11	0.64
JN19023-009		2.99	0.02	0.21	470	<0.02	<10	10	0.24	0.48	0.09	0.03	43.5	11.9	9	0.70
JN19023-010		3.46	0.05	0.18	324	<0.02	<10	10	0.19	0.23	0.09	0.01	37.6	3.3	7	0.67
JN19023-010D		1.50	0.03	0.18	268	<0.02	<10	10	0.19	0.22	0.09	0.01	36.6	2.8	8	0.65
JN19023-011		2.62	0.01	0.17	302	<0.02	<10	10	0.16	0.06	0.07	0.01	36.3	4.6	7	0.63
JN19023-012		2.61	0.21	0.18	9890	0.10	<10	20	0.20	1.44	0.11	0.05	28.0	40.4	6	0.96
JN19023-013		2.36	0.09	0.18	60.8	<0.02	<10	10	0.21	0.39	0.10	0.02	25.6	3.6	9	0.62
JN19023-014		2.80	0.18	0.24	76.7	0.02	<10	20	0.24	0.47	0.20	0.06	25.6	4.1	8	1.22
JN19023-015		3.04	0.03	0.23	37.8	<0.02	<10	20	0.20	0.17	0.12	0.02	36.5	3.5	8	0.92
JN19023-016		2.65	0.01	0.18	336	<0.02	<10	20	0.17	0.10	0.08	0.02	33.9	5.3	9	0.88
JN19023-017		1.35	0.02	0.20	54.8	<0.02	<10	10	0.24	0.14	0.08	0.03	44.5	3.8	10	1.51
JN19023-018		0.66	0.03	0.18	50.7	<0.02	<10	10	0.15	0.51	0.11	0.02	29.9	2.2	10	0.79
JN19023-018S		0.08	>100	1.93	11.2	10.15	<10	190	0.14	0.08	1.03	0.19	18.20	9.8	23	0.89
JN19023-019		1.26	0.08	0.21	86.6	<0.02	<10	10	0.20	0.23	0.10	0.02	36.4	3.1	10	0.97
JN19023-020		6.14	0.04	0.23	78.2	<0.02	<10	20	0.23	0.24	0.12	0.02	39.9	3.2	10	1.01

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

ALS Canada Ltd.

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

Finalized Date: 3-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19146797

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
JN19023-001		16.7	3.42	4.28	0.08	0.03	<0.01	0.018	0.12	19.9	38.1	0.54	518	1.35	0.12	0.83
JN19023-002		26.5	3.01	3.34	0.07	0.11	0.01	0.015	0.10	24.4	33.8	0.40	411	1.06	0.01	<0.05
JN19023-003		16.1	1.63	0.90	0.06	0.07	<0.01	0.012	0.09	20.5	2.0	0.03	244	1.01	0.01	<0.05
JN19023-004		14.4	1.69	0.72	0.07	0.09	<0.01	0.017	0.09	21.8	1.0	0.02	312	0.87	0.01	<0.05
JN19023-005		11.7	1.59	0.73	0.05	0.09	<0.01	0.013	0.08	16.5	0.9	0.01	151	0.72	0.01	<0.05
JN19023-006		8.4	1.41	0.58	<0.05	0.07	<0.01	0.024	0.04	15.2	1.0	0.03	405	0.54	0.01	<0.05
JN19023-007		12.5	1.39	0.64	<0.05	0.06	<0.01	0.014	0.06	12.1	1.5	0.04	157	0.54	0.01	<0.05
JN19023-008		10.1	1.31	0.84	0.06	0.07	<0.01	0.013	0.06	17.6	1.5	0.09	217	0.49	0.01	<0.05
JN19023-009		17.2	1.16	0.90	0.07	0.08	<0.01	0.017	0.06	20.1	1.4	0.07	145	0.51	0.01	<0.05
JN19023-010		8.9	1.19	0.68	0.05	0.07	<0.01	0.014	0.07	17.3	1.2	0.07	179	0.54	0.01	<0.05
JN19023-010D		8.2	1.21	0.69	0.05	0.06	<0.01	0.011	0.07	16.9	1.3	0.07	177	0.58	0.01	<0.05
JN19023-011		2.3	1.02	0.64	0.05	0.05	<0.01	0.015	0.08	17.0	1.3	0.05	201	0.61	0.01	<0.05
JN19023-012		24.3	2.25	0.64	0.06	0.07	<0.01	0.019	0.10	12.3	1.5	0.07	264	0.67	0.01	<0.05
JN19023-013		17.6	1.76	0.69	0.05	0.08	<0.01	0.015	0.07	12.3	1.1	0.10	287	0.55	0.01	<0.05
JN19023-014		24.7	2.00	0.76	<0.05	0.11	<0.01	0.018	0.13	12.2	1.2	0.08	262	0.66	0.01	<0.05
JN19023-015		6.5	1.28	0.74	0.05	0.08	0.01	0.012	0.11	17.5	1.0	0.06	203	0.57	0.01	<0.05
JN19023-016		2.0	1.05	0.69	0.06	0.07	<0.01	0.011	0.07	16.4	1.1	0.05	126	0.56	0.01	<0.05
JN19023-017		13.0	1.25	0.83	0.06	0.09	<0.01	0.013	0.07	21.2	1.2	0.06	151	0.43	0.01	<0.05
JN19023-018		9.2	1.06	0.64	0.05	0.08	<0.01	0.010	0.05	14.3	1.0	0.05	140	0.50	0.01	<0.05
JN19023-018S		110.0	4.00	6.35	0.12	0.12	0.34	0.015	0.37	7.6	7.7	0.77	640	6.37	0.23	0.22
JN19023-019		20.2	1.36	0.75	0.06	0.08	<0.01	0.011	0.07	17.2	1.3	0.07	172	0.58	0.01	<0.05
JN19023-020		20.5	1.65	0.82	0.05	0.08	<0.01	0.013	0.07	18.9	1.3	0.08	210	0.51	0.01	<0.05

***** 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-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19146797

Sample Description / Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
LOD	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
JN19023-001	28.5	550	13.0	5.5	<0.001	0.01	0.56	1.7	0.2	0.2	66.4	<0.01	0.03	6.7	0.040
JN19023-002	30.4	380	12.7	5.1	<0.001	0.01	0.67	1.6	<0.2	0.2	13.1	<0.01	0.01	9.7	<0.005
JN19023-003	22.0	230	5.3	4.4	0.001	0.02	0.60	0.8	<0.2	0.3	6.5	<0.01	0.02	8.6	<0.005
JN19023-004	16.2	150	2.5	4.7	<0.001	<0.01	0.58	0.9	<0.2	0.5	5.7	<0.01	0.02	10.0	<0.005
JN19023-005	11.2	90	1.9	4.5	<0.001	0.02	0.63	0.9	<0.2	0.6	3.4	<0.01	0.01	10.0	<0.005
JN19023-006	14.5	80	2.1	3.1	<0.001	0.01	0.41	1.3	<0.2	0.9	5.6	<0.01	<0.01	8.5	<0.005
JN19023-007	9.5	60	6.7	4.9	<0.001	0.10	0.95	0.6	<0.2	0.8	5.0	<0.01	0.01	6.4	<0.005
JN19023-008	7.9	90	2.2	5.1	<0.001	0.05	0.32	1.0	<0.2	1.3	7.1	<0.01	<0.01	8.0	<0.005
JN19023-009	9.0	100	2.1	5.1	<0.001	0.15	0.52	1.0	<0.2	2.4	7.7	<0.01	0.03	9.9	<0.005
JN19023-010	6.7	90	3.4	5.5	0.001	0.19	0.39	0.8	<0.2	1.3	7.1	<0.01	0.01	9.1	<0.005
JN19023-010D	6.3	90	3.3	5.8	<0.001	0.19	0.36	0.7	<0.2	1.3	7.1	<0.01	0.02	8.7	<0.005
JN19023-011	4.3	100	1.8	7.4	<0.001	0.09	0.26	0.7	<0.2	1.1	5.9	<0.01	0.02	9.1	<0.005
JN19023-012	22.8	260	11.8	7.7	<0.001	1.05	3.64	0.7	0.4	1.6	9.4	<0.01	0.22	9.4	<0.005
JN19023-013	17.0	140	4.3	4.8	0.001	0.27	0.42	0.9	<0.2	0.5	7.8	<0.01	0.01	8.4	<0.005
JN19023-014	12.4	540	19.7	9.1	<0.001	0.82	0.41	0.7	<0.2	1.6	13.8	<0.01	0.01	12.1	<0.005
JN19023-015	10.6	240	4.2	7.5	<0.001	0.13	0.27	0.8	<0.2	0.9	12.2	<0.01	0.01	9.7	<0.005
JN19023-016	12.9	150	3.4	6.1	<0.001	0.03	0.39	0.8	0.2	0.7	9.3	<0.01	0.01	7.3	<0.005
JN19023-017	13.9	100	2.6	5.7	<0.001	0.09	0.56	0.8	<0.2	1.1	10.5	<0.01	0.01	7.7	<0.005
JN19023-018	8.5	220	3.4	4.6	<0.001	0.07	0.44	0.8	<0.2	1.7	11.3	<0.01	0.02	6.1	<0.005
JN19023-018S	17.5	780	12.6	16.4	0.001	0.10	4.28	3.8	4.9	1.8	89.9	<0.01	0.08	2.6	0.157
JN19023-019	14.0	160	3.1	6.2	<0.001	0.18	0.54	0.9	<0.2	1.7	11.8	<0.01	0.01	8.1	<0.005
JN19023-020	15.3	160	2.9	6.7	<0.001	0.17	0.56	1.1	<0.2	1.8	13.3	<0.01	0.01	10.0	<0.005

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

Finalized Date: 3-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19146797

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-AA24 Au ppm 0.005
JN19023-001		0.04	0.63	17	1.03	3.64	67	2.7		<0.005
JN19023-002		0.06	0.78	11	1.30	3.35	56	4.6		<0.005
JN19023-003		0.04	0.77	4	1.70	1.99	23	3.2		<0.005
JN19023-004		0.05	1.00	3	1.84	2.34	17	3.8		<0.005
JN19023-005		0.04	0.67	4	1.83	2.09	16	3.4		<0.005
JN19023-006		0.03	0.83	5	1.36	2.65	18	2.8		<0.005
JN19023-007		0.05	0.50	2	1.44	1.74	12	2.9		<0.005
JN19023-008		0.06	0.60	5	0.93	3.00	10	2.5		<0.005
JN19023-009		0.07	0.77	5	1.03	3.01	12	2.7		0.007
JN19023-010		0.06	0.64	3	1.30	2.94	13	2.5		<0.005
JN19023-010D		0.07	0.61	3	1.20	2.86	11	2.5		<0.005
JN19023-011		0.05	0.57	2	1.35	2.98	9	2.1		<0.005
JN19023-012		0.08	0.61	3	1.56	2.66	20	2.6		0.105
JN19023-013		0.05	0.59	4	1.06	2.13	18	2.9		0.009
JN19023-014		0.09	0.83	3	1.03	3.14	23	3.8		0.026
JN19023-015		0.06	0.68	3	0.88	2.92	12	3.4		<0.005
JN19023-016		0.05	0.60	3	1.19	2.52	11	2.9		<0.005
JN19023-017		0.09	0.87	3	0.42	2.93	11	3.7		<0.005
JN19023-018		0.04	0.65	4	0.39	2.52	9	2.9		<0.005
JN19023-018S		0.13	0.80	79	1.24	9.10	62	2.1	125	9.66
JN19023-019		0.06	0.72	4	0.92	2.93	11	3.0		0.005
JN19023-020		0.07	0.79	5	1.57	3.49	11	3.0		<0.005

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Finalized Date: 3-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19146797

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	LOG-22
	LOG-24	PUL-32m	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-AA24	ME-MS41	ME-OG46

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

Finalized Date: 13-JUL-2019
This copy reported on 5-FEB-2020
Account: TELOEX

WH19153112

Project: Justin 2019 DDH Drill Program
P.O. No.: JN2019-1
This report is for 83 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 24-JUN-2019.

The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
PUL-32md	Pulverize 500g-DUP -85%<75um
OA-HSUL10	Handling of High Sulphide Samples
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32m	Pulverize 500g - 85%<75um
BAG-01	Bulk Master for Storage
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22d	Sample login - Rcd w/o BarCode dup

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS41	Ultra Trace Aqua Regia ICP-MS	
Ag-OG46	Ore Grade Ag - Aqua Regia	
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES

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:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.

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

Finalized Date: 13-JUL-2019
Account: TELOEX

Project: Justin 2019 DDH Drill Program

CERTIFICATE OF ANALYSIS WH19153112

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
JN19021-001		3.44	0.15	0.29	125.5	<0.02	<10	10	0.17	0.41	0.11	0.17	30.4	6.7	14	0.54
JN19021-002		2.69	0.31	0.22	3090	<0.02	<10	10	0.10	0.80	0.07	0.65	21.4	15.2	15	0.84
JN19021-003		3.56	0.90	0.20	>10000	0.09	<10	10	0.09	2.32	0.05	1.57	12.80	49.8	13	0.87
JN19021-003D		<0.02	0.90	0.19	>10000	0.09	<10	10	0.09	2.36	0.05	1.57	12.25	49.4	14	0.84
JN19021-004		3.24	0.32	0.19	60.0	<0.02	<10	10	0.08	0.28	0.03	2.45	15.30	0.7	12	0.49
JN19021-005		2.24	0.12	0.12	24.8	<0.02	<10	10	0.06	0.11	0.02	1.03	11.75	0.5	12	0.48
JN19021-006		3.67	0.13	0.26	30.7	<0.02	<10	10	0.13	0.11	0.03	0.45	22.5	1.5	12	0.82
JN19021-007		3.33	0.13	0.27	22.2	<0.02	<10	10	0.11	0.14	0.03	0.41	25.4	1.8	12	0.72
JN19021-008		4.62	0.08	0.35	15.5	<0.02	<10	10	0.14	0.11	0.04	0.23	29.9	2.7	8	0.83
JN19021-009		5.26	0.22	0.18	59.5	<0.02	<10	10	0.10	0.24	0.03	0.77	13.65	1.6	10	0.62
JN19021-010		4.38	0.13	0.83	19.3	<0.02	<10	40	0.62	1.29	0.71	0.12	60.2	16.2	21	1.15
JN19021-011		3.23	0.12	0.70	22.3	<0.02	<10	20	1.08	14.70	0.89	<0.01	82.1	9.2	36	0.65
JN19021-012		1.68	0.28	0.58	17.5	0.02	<10	20	0.39	1.36	0.59	0.25	91.0	13.7	18	0.32
JN19021-013		1.64	0.30	0.54	14.4	<0.02	<10	<10	0.35	0.79	0.38	0.14	63.2	12.9	15	0.27
JN19021-014		1.32	0.28	0.47	20.0	0.02	<10	10	0.35	1.56	1.05	0.17	49.9	9.3	15	0.28
JN19021-015		1.55	0.44	0.47	17.1	<0.02	<10	10	0.41	1.37	1.65	1.06	48.7	12.8	19	0.33
JN19021-016		2.62	0.33	0.48	207	0.02	<10	10	0.28	0.66	0.24	0.20	42.8	4.5	6	0.74
JN19021-017		1.97	0.15	0.42	21.8	0.08	<10	10	0.25	0.65	0.81	0.07	51.9	4.5	6	0.57
JN19021-018		2.53	0.25	0.32	102.5	0.06	<10	10	0.17	0.68	0.09	0.53	40.1	1.5	7	0.62
JN19021-019		0.93	0.30	0.29	19.4	0.09	<10	<10	0.19	9.37	0.10	0.13	42.2	5.3	10	0.67
JN19021-020		2.84	0.81	0.31	64.1	0.51	<10	10	0.14	30.8	0.07	0.13	32.0	14.5	8	0.92
JN19021-020D		<0.02	0.87	0.33	69.7	0.50	<10	10	0.15	28.2	0.07	0.09	32.7	14.7	7	0.97
JN19021-021		3.14	0.57	0.31	37.9	0.15	<10	10	0.11	3.95	0.08	0.14	38.0	7.3	9	0.52
JN19021-022		4.21	0.52	0.31	111.5	0.31	<10	10	0.13	5.68	0.17	0.15	30.5	11.9	10	0.39
JN19021-023		3.65	0.21	0.61	46.1	0.10	<10	<10	0.23	0.66	0.30	0.09	51.4	10.1	14	0.22
JN19021-023B		5.96	<0.01	0.02	0.2	<0.02	<10	20	<0.05	<0.01	>25.0	0.01	0.80	0.7	1	<0.05
JN19021-024		1.87	0.28	0.61	19.3	<0.02	<10	<10	0.41	0.53	0.51	0.17	48.9	11.3	12	0.29
JN19021-025		1.44	0.19	0.51	11.0	<0.02	<10	<10	0.35	0.33	13.85	0.13	42.4	8.3	9	0.26
JN19021-026		1.37	0.09	0.40	5.1	<0.02	<10	<10	0.31	0.13	>25.0	0.03	32.4	6.1	6	0.52
JN19021-026S		0.12	13.25	1.03	457	0.53	10	150	0.16	12.95	2.80	0.42	13.55	21.2	31	0.62
JN19021-027		1.28	0.08	0.49	5.2	<0.02	<10	<10	0.44	0.18	>25.0	0.02	55.4	8.0	7	1.01
JN19021-028		1.57	0.02	0.10	1.3	<0.02	<10	10	0.06	0.01	>25.0	0.01	6.07	1.4	2	0.05
JN19021-029		1.67	0.06	0.22	5.0	<0.02	<10	10	0.18	0.06	>25.0	0.03	15.30	3.2	4	0.59
JN19021-030		1.93	0.13	0.56	7.7	<0.02	<10	10	0.58	0.22	20.4	0.12	51.5	11.0	10	1.85
JN19021-031		3.53	0.09	0.32	10.0	0.02	<10	<10	0.25	0.15	>25.0	0.08	25.5	6.1	5	1.15
JN19021-032		3.34	0.08	1.45	5.3	<0.02	<10	10	1.01	7.88	9.99	<0.01	63.3	5.6	32	2.61
JN19021-033		2.56	0.19	1.92	11.5	0.06	<10	10	0.92	77.0	7.13	<0.01	106.0	8.4	38	0.94
JN19021-034		3.55	0.34	1.00	35.9	<0.02	<10	20	0.85	8.61	4.45	0.09	101.0	23.4	22	2.05
JN19021-035		2.07	0.15	2.21	4.6	<0.02	<10	10	0.70	4.84	7.14	<0.01	74.8	3.2	39	1.46
JN19021-036		2.88	0.06	2.44	2.8	<0.02	<10	10	0.75	5.74	8.93	<0.01	76.5	2.4	36	0.73

***** 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: 13-JUL-2019
Account: TELOEX

Project: Justin 2019 DDH Drill Program

CERTIFICATE OF ANALYSIS WH19153112

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOD	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
JN19021-001		84.0	2.39	1.04	<0.05	0.08	0.03	0.042	0.06	14.5	1.7	0.08	465	0.20	0.01	<0.05
JN19021-002		25.0	1.24	0.73	<0.05	0.04	0.02	0.044	0.11	10.4	1.9	0.06	277	0.36	0.01	<0.05
JN19021-003		20.4	2.25	0.59	<0.05	0.03	0.04	0.066	0.12	6.2	1.3	0.03	184	0.81	0.01	<0.05
JN19021-003D		20.2	2.28	0.56	<0.05	0.03	0.03	0.063	0.11	5.9	1.3	0.03	184	0.83	0.01	<0.05
JN19021-004		18.2	0.51	0.49	<0.05	0.04	0.02	0.048	0.08	7.5	0.9	0.01	194	0.17	0.01	<0.05
JN19021-005		6.3	0.46	0.33	<0.05	0.02	0.02	0.027	0.07	5.8	1.0	0.01	101	0.13	0.01	<0.05
JN19021-006		15.5	0.58	0.77	<0.05	0.04	0.03	0.015	0.13	11.0	1.6	0.02	193	0.14	0.01	<0.05
JN19021-007		11.4	0.57	0.79	<0.05	0.05	0.03	0.020	0.08	12.0	1.6	0.02	164	0.11	<0.01	<0.05
JN19021-008		10.2	0.78	0.96	<0.05	0.08	0.03	0.014	0.11	14.8	1.9	0.03	136	0.15	0.01	<0.05
JN19021-009		19.1	1.03	0.51	<0.05	0.03	0.05	0.039	0.08	6.7	1.1	0.02	111	0.13	0.01	<0.05
JN19021-010		51.0	5.13	3.23	0.07	0.29	0.04	0.286	0.19	32.5	8.6	0.15	1180	0.94	0.01	<0.05
JN19021-011		54.1	12.05	3.28	0.11	0.47	0.23	3.27	0.04	43.6	5.5	0.36	4160	1.11	0.01	<0.05
JN19021-012		62.9	2.72	2.58	0.09	0.41	0.09	0.242	0.02	49.9	5.5	0.23	361	0.77	<0.01	<0.05
JN19021-013		32.4	3.01	2.29	0.07	0.38	0.04	0.230	0.02	33.4	5.1	0.10	460	0.40	0.01	<0.05
JN19021-014		40.0	3.75	1.84	0.06	0.25	0.04	0.392	0.02	26.3	4.2	0.41	771	2.40	0.01	<0.05
JN19021-015		54.1	4.17	1.92	0.08	0.38	0.04	0.330	0.02	24.9	4.2	0.66	864	2.55	0.01	<0.05
JN19021-016		34.0	2.49	1.78	0.05	0.15	0.04	0.143	0.09	20.7	4.2	0.03	146	1.25	0.01	<0.05
JN19021-017		24.2	2.25	1.58	0.06	0.12	0.08	0.154	0.09	26.1	3.8	0.02	213	0.63	0.01	<0.05
JN19021-018		24.2	0.91	1.26	<0.05	0.07	0.03	0.125	0.07	20.5	2.4	0.01	33	0.57	<0.01	<0.05
JN19021-019		55.6	2.13	1.37	0.05	0.10	0.04	0.113	0.04	21.1	2.4	0.01	156	0.54	0.01	<0.05
JN19021-020		759	13.55	1.57	0.10	0.08	0.41	0.241	0.08	16.3	3.7	0.03	81	0.75	0.01	<0.05
JN19021-020D		779	13.50	1.67	0.10	0.07	0.35	0.229	0.08	16.9	3.9	0.03	79	0.70	0.01	<0.05
JN19021-021		212	3.33	1.35	0.06	0.07	0.08	0.182	0.07	20.3	2.9	0.01	42	1.15	<0.01	<0.05
JN19021-022		202	5.67	1.42	0.06	0.11	0.19	0.299	0.05	16.6	3.4	0.01	53	1.07	<0.01	<0.05
JN19021-023		32.6	4.51	2.24	0.08	0.26	0.08	0.187	0.02	27.0	6.5	0.02	145	0.92	0.01	<0.05
JN19021-023B		1.7	0.06	0.07	<0.05	<0.02	<0.01	<0.005	0.01	1.0	0.6	0.64	60	<0.05	0.01	<0.05
JN19021-024		44.5	3.64	2.31	0.08	0.42	0.03	0.107	0.01	25.9	6.7	0.02	170	1.91	<0.01	<0.05
JN19021-025		29.8	2.32	1.84	0.12	0.20	0.01	0.036	0.01	22.5	5.8	0.06	91	1.00	<0.01	<0.05
JN19021-026		17.2	1.42	1.34	0.09	0.17	<0.01	0.019	0.01	18.5	6.9	0.12	106	0.35	0.01	<0.05
JN19021-026S		7750	3.06	3.56	0.05	0.14	0.30	0.093	0.17	7.8	5.7	0.34	575	533	0.10	0.24
JN19021-027		21.0	1.40	1.71	0.12	0.21	<0.01	0.018	0.02	31.2	7.3	0.17	133	0.36	0.01	<0.05
JN19021-028		2.9	0.29	0.33	<0.05	0.02	0.01	<0.005	0.01	3.1	1.6	0.22	63	0.10	0.01	<0.05
JN19021-029		7.8	0.83	0.77	0.11	0.05	<0.01	0.008	0.01	8.2	3.7	0.24	139	0.18	0.01	<0.05
JN19021-030		24.0	2.38	2.06	0.10	0.14	0.04	0.034	0.05	29.2	11.1	0.11	231	0.31	0.01	<0.05
JN19021-031		19.2	1.74	1.14	0.06	0.10	0.07	0.031	0.02	14.3	6.5	0.10	145	0.36	0.01	<0.05
JN19021-032		16.7	10.10	6.07	1.61	0.57	0.08	4.83	0.03	33.2	10.0	0.21	3540	0.29	0.01	0.15
JN19021-033		87.0	7.59	7.86	1.77	0.84	0.03	4.39	0.02	51.8	10.6	0.13	2680	0.37	0.01	0.32
JN19021-034		232	4.91	3.88	0.57	0.31	0.09	1.295	0.03	55.3	17.1	0.10	623	0.88	0.01	<0.05
JN19021-035		14.8	5.96	7.95	1.18	0.68	0.02	2.61	0.04	40.0	12.2	0.11	2190	0.20	0.01	0.15
JN19021-036		27.6	8.71	9.98	2.03	0.77	0.01	5.64	0.01	42.4	4.4	0.11	3250	0.10	0.01	0.37

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

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Project: Justin 2019 DDH Drill Program

CERTIFICATE OF ANALYSIS WH19153112

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
JN19021-001		8.1	230	7.8	5.3	<0.001	1.04	1.64	1.5	0.2	2.9	2.2	<0.01	0.01	7.9	<0.005
JN19021-002		6.3	210	55.8	9.9	<0.001	0.47	2.00	0.7	0.3	1.9	2.4	<0.01	0.06	6.7	<0.005
JN19021-003		8.3	170	238	10.3	<0.001	1.35	18.70	0.4	1.2	2.6	2.0	<0.01	0.40	5.3	<0.005
JN19021-003D		8.3	170	239	9.3	<0.001	1.37	18.55	0.4	1.0	2.4	2.0	<0.01	0.41	5.6	<0.005
JN19021-004		2.5	120	159.0	6.2	<0.001	0.13	0.45	0.3	<0.2	2.0	1.7	<0.01	<0.01	5.2	<0.005
JN19021-005		3.5	90	51.7	4.8	<0.001	0.13	0.39	0.2	<0.2	1.5	2.0	<0.01	<0.01	3.6	<0.005
JN19021-006		7.5	90	42.5	9.8	<0.001	0.16	0.69	0.5	<0.2	2.3	1.9	<0.01	<0.01	8.7	<0.005
JN19021-007		9.5	110	34.6	6.8	<0.001	0.18	0.73	0.5	<0.2	1.3	1.9	<0.01	<0.01	9.7	<0.005
JN19021-008		10.4	120	20.5	8.8	<0.001	0.40	0.89	0.7	<0.2	1.4	2.5	<0.01	<0.01	10.8	<0.005
JN19021-009		8.2	80	74.5	6.9	<0.001	0.70	1.21	0.4	<0.2	2.4	1.6	<0.01	0.01	4.7	<0.005
JN19021-010		39.8	2020	23.9	10.2	0.002	1.90	1.90	9.7	0.3	9.3	19.3	<0.01	0.13	14.8	<0.005
JN19021-011		34.0	310	9.5	3.1	0.001	2.38	5.43	22.4	0.3	72.1	12.5	<0.01	0.03	13.6	<0.005
JN19021-012		28.4	330	22.0	1.8	0.001	2.12	4.90	6.7	0.5	6.8	15.5	<0.01	0.05	15.1	<0.005
JN19021-013		25.7	530	16.0	1.0	0.001	2.29	3.43	5.0	0.6	5.8	13.0	<0.01	0.03	12.9	<0.005
JN19021-014		22.4	740	24.8	1.5	0.001	2.41	11.05	7.4	0.9	10.1	32.8	<0.01	0.05	10.2	<0.005
JN19021-015		32.3	1520	99.0	1.2	0.001	2.70	4.46	9.0	1.2	7.8	54.3	<0.01	0.07	12.9	<0.005
JN19021-016		11.2	770	46.1	6.3	0.001	2.39	8.82	1.9	0.7	5.9	9.9	<0.01	0.05	11.0	<0.005
JN19021-017		11.4	380	11.9	6.0	<0.001	1.93	17.70	1.3	0.3	9.4	5.4	<0.01	0.02	10.4	<0.005
JN19021-018		3.8	320	19.4	5.0	<0.001	0.83	9.07	0.4	0.3	7.9	2.5	<0.01	0.04	8.2	<0.005
JN19021-019		11.4	280	10.7	2.9	0.001	1.88	17.00	1.1	0.5	5.2	3.5	<0.01	0.81	7.7	<0.005
JN19021-020		23.5	180	17.7	7.6	<0.001	>10.0	95.4	0.7	2.9	29.4	3.3	<0.01	0.37	6.4	<0.005
JN19021-020D		22.8	190	17.6	8.2	<0.001	>10.0	93.3	0.7	3.1	31.4	3.4	<0.01	0.33	6.4	<0.005
JN19021-021		18.4	300	11.7	5.2	<0.001	3.45	34.2	0.5	0.7	16.1	3.3	<0.01	0.05	7.8	<0.005
JN19021-022		29.4	670	17.4	3.3	0.001	6.28	65.7	0.5	2.0	32.8	7.7	<0.01	0.08	7.2	<0.005
JN19021-023		30.5	890	17.7	1.3	0.002	4.44	40.3	1.6	1.7	15.4	10.3	<0.01	0.06	9.7	<0.005
JN19021-023B		0.3	90	0.4	0.5	<0.001	0.01	0.08	0.2	0.5	<0.2	86.1	<0.01	<0.01	<0.2	<0.005
JN19021-024		36.5	1350	33.7	1.1	0.005	3.50	11.75	2.2	2.7	5.1	19.3	<0.01	0.07	12.5	<0.005
JN19021-025		24.8	1500	27.1	0.7	0.005	2.35	1.74	2.0	2.3	0.9	768	<0.01	0.06	8.5	<0.005
JN19021-026		17.0	730	8.9	1.1	0.001	1.19	1.18	2.7	1.2	0.5	1760	<0.01	0.03	5.1	<0.005
JN19021-026S		25.4	580	25.1	5.5	0.361	0.64	26.3	2.0	1.3	2.6	160.0	<0.01	1.54	1.5	0.064
JN19021-027		20.1	210	10.6	1.8	0.001	1.15	1.04	3.2	0.8	0.7	1130	<0.01	0.03	7.4	<0.005
JN19021-028		2.7	150	2.5	0.6	<0.001	0.21	0.67	1.0	0.6	<0.2	1365	<0.01	0.01	0.7	<0.005
JN19021-029		8.2	120	7.3	1.4	<0.001	0.56	1.67	1.9	0.5	0.2	1345	<0.01	0.02	2.4	<0.005
JN19021-030		28.8	150	22.0	4.8	0.001	1.57	1.40	4.6	0.6	0.7	1110	<0.01	0.04	8.9	<0.005
JN19021-031		16.9	360	14.9	1.9	0.001	1.62	6.96	2.2	1.1	1.5	1515	<0.01	0.03	4.3	<0.005
JN19021-032		19.1	300	7.0	3.3	0.001	0.71	1.74	10.7	0.5	354	252	0.01	0.02	11.8	0.036
JN19021-033		25.6	460	6.8	2.1	0.001	0.69	2.74	8.5	0.4	412	51.5	0.01	0.24	16.2	0.066
JN19021-034		69.4	580	27.3	3.6	0.002	3.26	8.66	5.7	1.2	42.7	182.0	<0.01	0.06	17.4	<0.005
JN19021-035		9.7	320	5.6	4.0	<0.001	0.41	1.62	9.8	0.3	229	78.1	0.01	0.01	15.5	0.053
JN19021-036		9.2	500	3.2	1.1	<0.001	0.21	1.10	11.8	<0.2	403	16.0	0.01	0.01	13.7	0.087

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Finalized Date: 13-JUL-2019
Account: TELOEX

Project: Justin 2019 DDH Drill Program

CERTIFICATE OF ANALYSIS WH19153112

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-AA24 Au ppm 0.005
JN19021-001		0.53	0.84	7	0.24	4.47	31	2.8		<0.005
JN19021-002		0.12	0.67	2	0.16	2.12	92	1.3		0.009
JN19021-003		0.12	0.46	1	0.18	1.54	222	0.9		0.090
JN19021-003D		0.10	0.48	1	0.15	1.54	224	0.9		0.091
JN19021-004		0.05	0.45	1	0.10	1.45	288	1.1		0.012
JN19021-005		0.05	0.26	1	0.09	1.13	157	0.7		<0.005
JN19021-006		0.07	0.55	2	0.13	2.09	68	1.6		<0.005
JN19021-007		0.07	0.60	2	0.18	2.07	52	2.2		<0.005
JN19021-008		0.14	0.75	3	0.19	2.43	28	3.3		<0.005
JN19021-009		0.22	0.32	2	0.10	1.46	97	1.2		0.007
JN19021-010		0.68	4.64	37	1.55	19.30	102	11.7		0.007
JN19021-011		3.01	7.79	71	2.29	28.7	49	17.6		0.015
JN19021-012		1.06	8.40	20	1.60	17.65	70	14.6		0.028
JN19021-013		0.40	7.26	19	2.42	14.95	71	13.8		0.021
JN19021-014		0.54	8.96	21	1.40	14.65	61	9.8		0.064
JN19021-015		0.44	16.85	27	2.26	15.30	178	14.2		0.020
JN19021-016		0.53	5.38	7	0.95	9.16	54	5.6		0.056
JN19021-017		0.69	1.93	5	0.84	10.00	32	4.1		0.089
JN19021-018		0.29	1.62	2	1.33	6.98	105	2.2		0.067
JN19021-019		0.69	2.17	4	1.14	7.37	41	3.6		0.113
JN19021-020		7.80	1.80	4	2.01	5.55	41	2.2		0.593
JN19021-020D		7.48	1.81	4	2.20	5.70	39	2.3		0.579
JN19021-021		1.28	1.79	3	3.26	6.19	47	2.1		0.186
JN19021-022		3.21	2.61	3	1.95	4.73	64	3.6		0.494
JN19021-023		1.34	4.59	10	1.57	8.90	52	9.3		0.269
JN19021-023B		<0.02	0.06	<1	<0.05	1.96	<2	<0.5		<0.005
JN19021-024		0.84	10.05	13	1.59	10.70	70	18.2		0.097
JN19021-025		0.28	10.40	9	1.12	9.82	53	12.6		0.010
JN19021-026		0.19	3.75	7	1.05	8.59	26	8.8		0.006
JN19021-026S		0.05	1.53	38	7.37	5.48	52	4.2		0.523
JN19021-027		0.21	4.67	8	1.35	12.80	9	10.9		<0.005
JN19021-028		0.05	1.85	2	0.24	2.34	11	1.0		<0.005
JN19021-029		0.13	2.52	4	0.32	6.28	12	2.2		<0.005
JN19021-030		0.49	3.13	16	0.30	12.30	47	5.1		<0.005
JN19021-031		0.58	3.23	7	0.34	7.15	77	4.1		0.031
JN19021-032		0.42	2.72	44	1.20	20.4	56	24.1		0.006
JN19021-033		0.23	3.12	38	2.26	24.6	33	34.7		0.100
JN19021-034		1.27	9.50	23	0.51	18.65	46	14.1		0.009
JN19021-035		0.16	1.45	40	2.70	21.0	22	29.7		0.005
JN19021-036		0.10	0.97	42	7.87	23.4	20	37.9		0.013

***** 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: 13-JUL-2019
Account: TELOEX

Project: Justin 2019 DDH Drill Program

CERTIFICATE OF ANALYSIS WH19153112

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
JN19021-037	3.29	0.76	0.27	120.0	<0.02	<10	10	8.01	56.0	0.92	<0.01	14.75	42.7	6	0.36
JN19021-038	1.96	1.58	0.36	84.9	<0.02	<10	10	11.95	39.5	0.75	<0.01	12.35	51.8	5	0.47
JN19021-039	4.79	1.44	0.68	22.2	<0.02	<10	10	13.75	37.5	2.67	<0.01	25.2	51.5	7	4.37
JN19021-039S	0.17	>100	1.74	10.5	7.76	<10	180	0.11	0.07	0.95	0.16	15.45	9.1	23	0.80
JN19021-040	2.71	1.30	0.51	18.1	<0.02	<10	10	3.65	113.5	4.54	<0.01	7.46	58.9	7	5.78
JN19021-040B	6.53	0.01	0.02	0.3	<0.02	<10	10	<0.05	0.09	>25.0	0.01	0.83	0.7	1	<0.05
JN19021-041	5.76	2.80	0.38	6.4	0.05	10	<10	1.95	513	3.35	<0.01	14.10	55.4	5	2.32
JN19021-042	3.93	2.91	0.19	39.4	0.21	10	<10	2.37	486	1.11	0.17	7.69	38.9	20	1.31
JN19021-043	7.23	5.23	0.61	4.3	0.53	<10	<10	4.19	817	1.66	0.88	18.05	56.5	11	3.13
JN19021-044	1.92	1.64	0.62	13.2	0.52	<10	10	3.62	369	0.76	0.08	21.9	71.8	15	7.03
JN19021-045	2.03	4.89	0.76	25.9	3.13	<10	10	2.77	1505	0.86	0.95	29.8	23.2	19	14.15
JN19021-046	1.70	0.07	2.15	7.0	0.04	<10	60	1.36	7.17	0.93	0.02	47.5	10.1	45	13.40
JN19021-047	2.43	0.02	2.50	7.3	0.02	<10	150	1.36	2.01	1.55	<0.01	39.5	12.7	55	17.20
JN19021-048	2.83	0.03	1.99	5.2	<0.02	<10	80	1.23	1.67	0.72	0.01	46.0	7.9	24	13.75
JN19021-049	1.12	0.02	2.26	11.2	<0.02	<10	100	1.31	0.44	0.52	0.01	39.1	15.2	39	17.20
JN19021-050	2.26	0.03	2.35	9.5	<0.02	<10	100	1.37	1.70	0.79	<0.01	40.4	11.1	40	16.30
JN19021-051	1.39	0.04	2.05	7.6	<0.02	<10	90	1.12	4.24	0.65	0.01	32.0	9.8	43	16.40
JN19021-052	2.51	0.01	2.32	4.3	<0.02	<10	70	1.29	0.10	1.83	0.01	35.9	8.9	48	12.00
JN19021-053	3.65	0.03	1.15	2.2	0.02	<10	20	0.50	3.79	1.34	0.02	23.1	3.3	23	4.48
JN19021-054	3.77	0.06	1.21	5.9	<0.02	<10	30	0.70	2.29	1.07	0.02	25.4	9.1	22	5.51
JN19021-055	3.80	0.03	1.02	1.5	<0.02	<10	30	0.32	0.43	0.77	0.02	29.6	4.4	32	4.50
JN19021-056	4.01	0.07	1.42	3.0	<0.02	<10	60	0.60	0.42	1.05	0.01	24.6	10.9	34	7.15
JN19021-057	4.20	0.10	1.23	9.2	<0.02	10	80	0.90	1.93	0.23	0.01	35.2	15.1	24	6.94
JN19021-058	3.63	0.30	0.68	6.7	0.02	<10	40	0.79	40.9	0.43	0.06	28.8	7.9	18	1.91
JN19021-058D	<0.02	0.29	0.66	6.2	<0.02	<10	40	0.77	36.4	0.44	0.05	26.9	7.2	18	1.88
JN19021-059	4.18	0.04	0.97	3.1	<0.02	<10	40	0.53	1.34	0.72	0.01	27.6	8.3	28	4.40
JN19021-060	3.89	0.04	1.44	9.4	<0.02	10	80	0.58	0.15	0.98	0.01	30.3	10.1	32	9.10
JN19021-061	4.25	0.01	1.68	13.2	<0.02	10	100	0.93	0.10	0.93	<0.01	35.5	13.1	37	16.05
JN19021-062	3.94	0.02	1.84	5.1	<0.02	10	90	1.21	0.30	1.32	0.02	30.2	16.0	35	12.15
JN19021-063	3.80	0.01	1.83	6.5	<0.02	<10	70	0.99	0.11	0.99	0.01	37.7	10.4	39	10.80
JN19021-064	3.79	0.01	1.41	4.4	<0.02	<10	50	0.57	0.10	0.80	0.01	37.8	5.9	34	7.05
JN19021-065	3.70	0.02	0.91	2.3	<0.02	<10	20	0.35	0.04	0.70	0.03	36.6	3.9	28	4.12
JN19021-066	3.63	0.02	0.61	0.7	<0.02	<10	10	0.25	0.08	0.63	0.01	27.6	1.8	27	3.24
JN19021-067	3.77	0.04	1.42	7.4	<0.02	<10	70	0.77	0.16	0.75	0.03	33.2	11.8	29	4.50
JN19021-068	3.97	0.02	1.11	3.9	<0.02	<10	40	0.54	0.08	0.59	0.02	33.0	7.8	30	4.97
JN19021-069	3.92	0.02	0.60	0.7	<0.02	<10	10	0.25	0.04	0.74	0.04	29.1	1.9	22	2.44
JN19021-069D	<0.02	0.02	0.60	0.8	<0.02	<10	10	0.21	0.04	0.71	0.04	28.4	1.9	22	2.40
JN19021-070	4.09	0.02	0.48	0.4	<0.02	<10	10	0.12	0.06	0.47	0.04	24.4	1.9	28	2.29
JN19021-070B	6.31	<0.01	0.03	<0.1	<0.02	<10	10	<0.05	0.01	>25.0	0.01	0.84	0.8	1	<0.05
JN19021-071	4.20	0.02	1.14	3.9	<0.02	<10	40	0.54	0.10	0.57	0.02	32.8	8.7	34	5.14

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

Finalized Date: 13-JUL-2019
Account: TELOEX

Project: Justin 2019 DDH Drill Program

CERTIFICATE OF ANALYSIS WH19153112

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
JN19021-037		1935	38.1	11.35	4.28	0.14	0.01	6.20	<0.01	8.2	3.4	0.27	2040	4.25	0.01	0.09
JN19021-038		7010	44.0	19.20	9.08	0.13	0.02	4.57	0.03	7.0	3.7	0.09	1160	1.79	0.02	0.14
JN19021-039		6590	46.5	39.0	20.3	0.30	0.04	3.80	0.32	13.9	49.9	0.58	738	0.31	0.09	0.95
JN19021-039S		102.0	3.75	5.57	0.08	0.08	0.29	0.014	0.35	6.9	7.3	0.74	604	5.60	0.20	0.19
JN19021-040		4480	41.5	27.1	11.05	0.26	0.01	1.610	0.56	3.6	145.0	0.53	284	0.33	0.03	0.86
JN19021-040B		5.4	0.13	0.09	<0.05	<0.02	<0.01	0.007	0.01	1.0	0.7	0.57	80	<0.05	0.01	0.08
JN19021-041		3480	19.50	17.30	5.10	0.27	0.02	4.61	0.07	7.1	4.4	0.12	1060	0.18	0.04	0.71
JN19021-042		3860	11.85	9.57	4.31	0.08	<0.01	2.27	0.05	4.3	3.0	0.10	840	0.15	0.03	0.11
JN19021-043		7130	15.65	24.5	4.65	0.34	0.01	4.21	0.20	7.5	11.9	0.16	784	0.24	0.07	0.31
JN19021-044		1355	16.55	13.75	1.84	0.16	0.02	0.623	0.23	9.2	22.1	0.25	557	1.25	0.03	0.25
JN19021-045		5880	9.07	18.45	0.67	0.12	0.08	1.150	0.48	15.1	75.0	0.82	686	1.08	0.01	0.49
JN19021-046		47.0	2.90	8.22	0.15	0.18	0.02	0.018	1.11	25.6	106.5	0.95	223	1.76	0.04	0.22
JN19021-047		30.4	3.56	8.70	0.13	0.15	<0.01	0.021	1.34	20.3	103.0	1.10	363	0.70	0.03	0.27
JN19021-048		29.3	2.51	6.12	0.14	0.14	0.01	0.012	1.03	26.7	81.9	0.80	200	0.49	0.02	0.18
JN19021-049		27.2	3.46	6.29	0.12	0.14	<0.01	0.008	1.03	22.0	77.9	0.81	206	0.70	0.02	0.21
JN19021-050		30.7	3.27	7.02	0.11	0.13	<0.01	0.014	1.25	23.1	79.2	0.80	228	2.12	0.02	0.21
JN19021-051		28.7	2.67	6.15	0.11	0.13	<0.01	0.010	1.17	16.6	64.6	0.76	168	1.63	0.01	0.24
JN19021-052		29.9	2.74	7.86	0.13	0.12	0.01	0.017	1.16	19.3	68.6	0.91	196	0.46	0.04	0.21
JN19021-053		16.6	1.02	3.97	0.09	0.05	<0.01	0.010	0.22	12.2	26.0	0.37	110	0.70	0.07	0.10
JN19021-054		57.9	1.71	4.34	0.09	0.08	0.01	0.029	0.38	13.3	33.8	0.47	152	0.85	0.04	0.16
JN19021-055		33.5	1.31	3.57	0.08	0.05	<0.01	0.010	0.33	14.1	26.1	0.37	110	0.36	0.07	0.25
JN19021-056		149.5	2.90	5.04	0.07	0.07	<0.01	0.025	0.59	12.0	41.6	0.48	244	0.31	0.07	0.28
JN19021-057		147.5	3.28	3.82	0.08	0.11	<0.01	0.019	0.60	19.2	30.8	0.50	283	0.51	0.01	0.14
JN19021-058		23.5	3.18	2.53	0.07	0.07	<0.01	0.010	0.24	15.3	9.1	0.29	361	0.89	<0.01	<0.05
JN19021-058D		24.3	3.20	2.44	0.07	0.08	<0.01	0.010	0.23	14.5	9.0	0.30	362	0.77	<0.01	<0.05
JN19021-059		74.7	2.31	3.63	0.07	0.06	0.01	0.017	0.29	13.1	20.0	0.35	243	0.58	0.05	0.22
JN19021-060		33.1	2.60	4.97	0.10	0.08	0.01	0.011	0.64	14.9	45.1	0.64	271	0.43	0.04	0.29
JN19021-061		18.6	3.36	5.43	0.10	0.12	<0.01	0.010	0.98	18.1	63.5	0.73	314	0.40	0.02	0.27
JN19021-062		61.9	3.56	6.06	0.09	0.09	<0.01	0.022	0.81	15.7	59.7	0.67	311	0.63	0.03	0.26
JN19021-063		24.9	2.84	6.44	0.11	0.10	<0.01	0.014	0.86	19.4	65.3	0.70	227	1.21	0.03	0.25
JN19021-064		22.7	1.97	5.36	0.08	0.05	<0.01	0.008	0.52	17.7	42.8	0.50	154	0.44	0.07	0.21
JN19021-065		15.6	1.23	3.65	0.09	0.04	<0.01	0.008	0.27	16.5	20.9	0.33	105	0.74	0.07	0.20
JN19021-066		4.6	0.83	2.36	0.08	0.04	<0.01	<0.005	0.10	13.0	14.3	0.22	91	480	0.05	0.24
JN19021-067		23.4	2.49	4.42	0.08	0.07	<0.01	0.008	0.46	16.4	42.3	0.49	146	6.72	0.04	0.19
JN19021-068		15.4	1.67	4.33	0.09	0.06	<0.01	0.009	0.42	16.3	41.2	0.40	118	0.78	0.03	0.23
JN19021-069		6.0	0.94	2.34	0.06	0.03	<0.01	0.005	0.10	14.0	14.1	0.19	101	1.11	0.06	0.09
JN19021-069D		5.6	0.91	2.30	0.06	0.03	<0.01	0.006	0.10	13.5	14.2	0.19	96	0.81	0.06	0.09
JN19021-070		7.7	0.87	1.98	0.07	0.04	0.01	<0.005	0.08	12.3	12.3	0.21	92	0.63	0.05	0.24
JN19021-070B		1.6	0.09	0.11	0.05	<0.02	<0.01	<0.005	0.01	1.1	0.7	0.52	63	<0.05	<0.01	<0.05
JN19021-071		22.8	2.29	4.29	0.08	0.08	<0.01	0.009	0.54	16.3	45.8	0.50	148	0.59	0.03	0.22

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

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
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CRANBROOK BC V1C 2R7

Finalized Date: 13-JUL-2019
Account: TELOEX

Project: Justin 2019 DDH Drill Program

CERTIFICATE OF ANALYSIS WH19153112

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
JN19021-037		24.0	100	2.3	0.4	<0.001	>10.0	22.4	2.0	6.6	209	8.9	<0.01	0.01	1.2	0.005
JN19021-038		13.6	260	2.7	1.3	<0.001	>10.0	0.82	0.9	8.1	238	5.9	<0.01	0.01	1.0	0.009
JN19021-039		6.0	210	2.0	43.0	0.003	>10.0	2.16	1.6	14.4	268	5.1	<0.01	0.01	1.3	0.032
JN19021-039S		16.1	750	12.0	14.9	0.001	0.11	3.93	3.2	4.2	1.6	76.8	<0.01	0.09	2.2	0.144
JN19021-040		5.9	120	1.8	83.5	0.001	>10.0	1.59	2.1	25.5	31.8	6.0	<0.01	0.04	0.9	0.027
JN19021-040B		0.6	60	0.5	0.3	<0.001	0.02	<0.05	0.2	0.5	0.2	81.0	<0.01	<0.01	<0.2	<0.005
JN19021-041		13.2	230	1.5	5.9	0.001	6.77	1.48	0.7	10.9	368	5.6	<0.01	0.26	0.9	0.030
JN19021-042		11.1	110	1.1	3.6	<0.001	4.46	1.37	0.4	6.6	55.4	1.8	<0.01	0.99	0.7	0.011
JN19021-043		22.1	120	1.8	19.4	0.001	8.96	0.63	1.2	8.8	132.0	1.8	<0.01	2.94	1.4	0.028
JN19021-044		42.9	150	3.1	40.8	<0.001	>10.0	4.23	0.9	11.5	38.0	10.2	<0.01	2.00	2.1	0.014
JN19021-045		21.2	120	88.1	98.9	0.005	3.76	7.13	2.3	3.4	19.3	8.7	<0.01	13.10	1.1	0.017
JN19021-046		37.4	170	1.9	141.0	0.004	0.10	0.29	7.7	<0.2	1.8	26.1	<0.01	0.17	14.4	0.088
JN19021-047		39.0	510	1.6	147.5	<0.001	0.14	0.16	7.8	<0.2	1.8	31.9	<0.01	0.05	12.2	0.138
JN19021-048		33.6	410	1.0	123.0	<0.001	0.08	0.18	4.3	<0.2	1.2	22.4	<0.01	0.03	13.1	0.073
JN19021-049		41.2	410	1.5	107.5	<0.001	0.19	0.23	4.9	0.2	1.1	21.1	<0.01	0.01	14.7	0.090
JN19021-050		40.2	410	2.4	132.5	<0.001	0.18	0.25	7.2	0.2	1.6	23.2	<0.01	0.02	15.0	0.090
JN19021-051		32.2	400	2.3	130.5	<0.001	0.11	0.21	5.2	0.3	1.3	15.3	<0.01	0.02	12.4	0.095
JN19021-052		30.6	330	0.9	124.5	0.001	0.10	0.08	8.2	<0.2	1.3	26.5	<0.01	0.01	13.3	0.148
JN19021-053		13.7	180	2.8	25.5	<0.001	0.03	0.05	2.3	0.2	0.6	43.5	<0.01	0.08	6.7	0.026
JN19021-054		21.1	140	1.9	43.2	0.001	0.10	0.09	2.7	0.2	1.1	32.9	<0.01	0.03	8.3	0.032
JN19021-055		13.1	80	1.0	35.0	<0.001	0.05	<0.05	2.9	0.2	0.7	30.1	<0.01	0.01	8.9	0.053
JN19021-056		21.4	80	1.2	58.7	<0.001	0.37	0.07	4.0	0.6	1.1	33.3	<0.01	0.02	10.0	0.074
JN19021-057		40.3	280	3.3	51.1	<0.001	0.16	0.29	3.3	<0.2	1.2	11.8	<0.01	0.01	15.3	0.024
JN19021-058		27.0	540	19.4	17.3	<0.001	0.12	0.79	3.7	<0.2	0.9	18.5	<0.01	0.11	13.1	<0.005
JN19021-058D		26.6	540	19.0	16.6	<0.001	0.13	0.74	3.7	0.2	0.9	18.5	<0.01	0.11	13.4	<0.005
JN19021-059		18.4	210	1.3	31.4	<0.001	0.21	0.16	3.8	<0.2	1.1	26.9	<0.01	0.02	10.4	0.033
JN19021-060		24.4	300	1.7	68.0	0.001	0.15	0.24	3.6	0.2	1.7	39.2	<0.01	0.01	11.2	0.057
JN19021-061		35.4	440	2.0	107.0	<0.001	0.13	0.11	4.2	0.2	1.9	28.8	<0.01	0.01	14.2	0.069
JN19021-062		33.0	510	2.9	86.0	<0.001	0.32	0.15	5.4	0.5	1.7	47.4	<0.01	0.03	13.5	0.079
JN19021-063		29.4	240	1.4	89.9	<0.001	0.13	0.12	6.1	<0.2	1.5	27.2	<0.01	0.01	14.3	0.104
JN19021-064		18.6	90	1.1	49.4	<0.001	0.11	0.09	4.5	0.2	1.1	33.2	<0.01	0.01	11.4	0.073
JN19021-065		12.1	110	1.5	26.8	<0.001	0.04	0.05	3.2	0.3	1.0	30.1	<0.01	0.01	9.5	0.044
JN19021-066		7.0	70	1.7	12.9	0.013	0.05	<0.05	1.6	0.3	0.4	28.8	<0.01	0.03	8.0	0.025
JN19021-067		27.7	340	4.3	34.1	<0.001	0.18	0.17	3.1	0.2	0.5	26.9	<0.01	0.02	13.8	0.031
JN19021-068		19.5	220	1.8	38.9	<0.001	0.10	0.20	3.7	<0.2	0.4	19.8	<0.01	0.01	12.5	0.051
JN19021-069		6.8	70	1.8	10.9	<0.001	0.02	0.05	1.7	<0.2	0.5	27.0	<0.01	0.01	8.2	0.012
JN19021-069D		6.7	70	1.9	11.1	<0.001	0.02	0.05	1.7	0.2	0.5	26.7	<0.01	<0.01	7.8	0.012
JN19021-070		5.9	70	1.9	8.4	<0.001	0.03	<0.05	1.4	<0.2	0.3	19.4	<0.01	<0.01	6.5	0.028
JN19021-070B		0.4	60	0.2	0.4	<0.001	<0.01	<0.05	0.2	0.5	<0.2	87.7	<0.01	<0.01	<0.2	<0.005
JN19021-071		20.9	230	1.6	51.0	<0.001	0.15	0.08	3.6	<0.2	0.5	13.6	<0.01	0.01	12.8	0.063

***** 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: 13-JUL-2019
Account: TELOEX

Project: Justin 2019 DDH Drill Program

CERTIFICATE OF ANALYSIS WH19153112

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-AA24 Au ppm 0.005
JN19021-037	0.09	3.82	10	10.80	8.64	33	5.5		0.007
JN19021-038	0.04	3.93	8	37.7	7.91	40	5.7		0.005
JN19021-039	0.16	2.79	11	280	7.56	43	11.7		0.005
JN19021-039S	0.10	0.76	75	1.27	7.76	59	1.8	122	9.79
JN19021-040	0.21	2.34	12	74.9	10.10	32	9.4		0.016
JN19021-040B	<0.02	0.34	<1	0.15	2.14	<2	<0.5		<0.005
JN19021-041	0.04	2.45	5	104.5	8.13	51	11.3		0.051
JN19021-042	0.02	0.80	1	9.75	2.86	44	3.0		0.251
JN19021-043	0.10	3.19	7	40.5	8.27	149	12.9		0.657
JN19021-044	0.36	2.16	6	14.10	6.26	45	5.5		0.620
JN19021-045	0.65	0.68	14	540	12.15	166	3.7		3.50
JN19021-046	0.76	2.00	50	350	6.93	44	7.1		0.058
JN19021-047	0.86	1.49	56	32.9	6.24	48	5.9		0.026
JN19021-048	0.69	1.51	33	3.37	4.76	29	6.2		<0.005
JN19021-049	0.77	1.96	44	2.00	4.86	48	6.1		<0.005
JN19021-050	0.77	1.91	47	1.38	5.30	47	5.8		<0.005
JN19021-051	0.74	1.34	42	1.22	4.70	35	5.2		<0.005
JN19021-052	0.79	1.42	53	15.90	5.22	31	4.8		<0.005
JN19021-053	0.12	0.61	15	9.96	3.65	10	2.1		0.019
JN19021-054	0.25	0.90	18	33.9	3.04	21	3.0		0.008
JN19021-055	0.17	0.69	22	36.9	4.02	12	1.6		<0.005
JN19021-056	0.47	0.98	30	1.13	4.32	26	2.4		<0.005
JN19021-057	0.45	1.92	26	0.65	4.32	44	4.5		<0.005
JN19021-058	0.20	1.44	19	3.08	5.55	42	3.6		0.022
JN19021-058D	0.19	1.44	19	4.61	5.46	43	3.6		0.020
JN19021-059	0.28	1.00	22	1.67	4.60	20	2.4		<0.005
JN19021-060	0.43	1.31	28	75.9	5.22	20	3.0		<0.005
JN19021-061	0.68	1.84	35	0.31	5.19	31	4.8		<0.005
JN19021-062	0.57	1.66	37	0.28	6.03	41	3.3		<0.005
JN19021-063	0.55	1.52	42	6.50	5.37	32	3.8		<0.005
JN19021-064	0.28	1.01	30	7.91	5.13	18	1.7		<0.005
JN19021-065	0.15	0.76	21	1.04	5.17	10	1.6		<0.005
JN19021-066	0.06	0.67	12	86.4	4.59	9	1.1		<0.005
JN19021-067	0.23	1.47	23	57.1	5.44	33	3.0		<0.005
JN19021-068	0.23	1.18	25	0.24	4.08	22	2.1		<0.005
JN19021-069	0.06	0.72	10	8.08	3.92	8	0.9		<0.005
JN19021-069D	0.06	0.60	10	8.88	3.95	8	0.9		<0.005
JN19021-070	0.04	0.55	10	12.85	3.56	7	1.1		<0.005
JN19021-070B	<0.02	0.05	1	<0.05	2.04	<2	<0.5		<0.005
JN19021-071	0.31	1.37	26	4.36	4.32	27	3.2		<0.005

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

Finalized Date: 13-JUL-2019
Account: TELOEX

Project: Justin 2019 DDH Drill Program

CERTIFICATE OF ANALYSIS WH19153112

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
JN19021-072		3.85	0.02	1.66	7.1	<0.02	10	70	0.94	0.17	0.45	0.02	26.3	12.0	31	8.01
JN19021-072S		0.24	0.10	1.69	0.8	<0.02	<10	140	6.45	1.38	1.92	0.12	13.15	7.4	8	0.30
JN19021-073		2.84	0.03	2.12	1.9	<0.02	<10	110	0.79	0.11	0.62	0.01	30.0	12.3	42	8.22

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CERTIFICATE OF ANALYSIS WH19153112

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOD	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
JN19021-072		33.3	3.22	5.13	0.07	0.09	<0.01	0.015	0.73	13.8	65.3	0.66	200	0.40	0.02	0.20
JN19021-072S		61.3	2.42	5.48	0.25	0.11	0.07	0.016	0.22	6.0	7.4	0.65	497	456	0.18	1.07
JN19021-073		39.4	3.28	6.89	0.08	0.05	<0.01	0.018	0.84	14.9	69.4	0.70	258	0.29	0.06	0.22

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CERTIFICATE OF ANALYSIS WH19153112

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
JN19021-072		32.8	360	3.4	64.4	<0.001	0.24	0.20	4.3	<0.2	0.7	12.7	<0.01	0.01	14.8	0.062
JN19021-072S		4.5	520	3.7	7.9	0.057	0.05	0.20	2.6	0.2	5.2	81.5	<0.01	0.02	2.5	0.126
JN19021-073		27.1	100	2.5	69.3	<0.001	0.20	0.05	5.1	<0.2	0.8	25.2	<0.01	0.02	12.0	0.102

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Finalized Date: 13-JUL-2019
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Project: Justin 2019 DDH Drill Program

CERTIFICATE OF ANALYSIS WH19153112

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-AA24 Au ppm 0.005
JN19021-072		0.42	1.89	29	0.28	3.66	50	3.3		<0.005
JN19021-072S		0.25	2.33	76	2870	4.76	37	2.1		<0.005
JN19021-073		0.49	1.28	37	1.56	3.29	47	1.8		<0.005

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

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Finalized Date: 13-JUL-2019
Account: TELOEX

Project: Justin 2019 DDH Drill Program

CERTIFICATE OF ANALYSIS WH19153112

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	LOG-22
LOG-22d	LOG-24	OA-HSUL10	PUL-32m
PUL-32md	PUL-QC	SPL-21	SPL-21d
WEI-21			

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

Applies to Method:

Ag-OG46	Au-AA24	ME-MS41	ME-OG46

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

Finalized Date: 9-JUL-2019
This copy reported on 5-FEB-2020
Account: TELOEX

WH19153137

Project: Justin 2019 RAB Drill Program
P.O. No.: JN2019-01
This report is for 22 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 24-JUN-2019.

The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32m	Pulverize 500g - 85%<75um
BAG-01	Bulk Master for Storage
LOG-24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS41	Ultra Trace Aqua Regia ICP-MS	

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:
Saa Traxler, General Manager, North Vancouver

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Finalized Date: 9-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153137

Sample Description	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
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
JN19025-001	2.41	0.04	1.32	49.8	<0.02	<10	30	0.30	0.26	0.25	0.09	45.7	13.4	25	0.54
JN19025-002	4.14	0.09	0.45	30.8	<0.02	<10	30	0.26	0.33	0.08	0.04	52.7	9.0	14	0.76
JN19025-003	3.12	0.04	0.34	22.5	<0.02	<10	30	0.33	0.46	0.09	0.02	68.3	8.9	13	1.11
JN19025-004	3.89	0.03	0.30	16.9	<0.02	<10	40	0.22	0.43	0.03	0.01	54.4	6.4	10	1.11
JN19025-005	4.04	0.08	0.37	18.0	<0.02	<10	50	0.33	0.35	0.05	0.02	54.8	6.5	11	1.38
JN19025-006	1.78	0.15	0.22	27.4	<0.02	<10	30	0.21	0.21	0.08	0.19	27.3	5.5	10	0.83
JN19025-007	3.94	0.07	0.30	23.2	<0.02	<10	20	0.28	0.50	0.13	0.03	47.7	7.4	8	0.94
JN19025-008	4.20	0.03	0.19	12.5	<0.02	<10	10	0.13	0.10	0.06	0.02	29.0	2.4	8	0.89
JN19025-009	2.88	0.02	0.21	10.3	<0.02	<10	10	0.20	0.20	0.10	0.01	30.6	2.7	8	0.95
JN19025-010	1.45	0.04	0.19	28.6	<0.02	<10	10	0.17	0.08	0.07	0.01	26.7	1.6	6	0.85
JN19025-010D	1.77	0.04	0.16	23.9	<0.02	<10	10	0.17	0.08	0.07	0.01	23.4	1.6	5	0.80
JN19025-011	2.63	0.04	0.22	24.8	<0.02	<10	20	0.22	0.22	0.12	0.01	24.2	4.8	8	0.90
JN19025-012	2.29	0.02	0.19	18.0	<0.02	<10	10	0.21	0.22	0.12	0.01	26.5	4.1	8	0.69
JN19025-013	2.39	0.02	0.19	28.0	<0.02	<10	20	0.19	0.15	0.12	0.01	26.6	3.3	8	0.67
JN19025-014	8.46	0.02	0.18	45.2	<0.02	<10	10	0.21	0.27	0.11	0.01	27.6	3.5	8	0.73
JN19025-015	3.65	0.03	0.20	65.9	0.02	<10	20	0.22	0.57	0.12	0.02	31.0	3.3	9	0.90
JN19025-016	12.69	0.04	0.19	343	0.02	<10	20	0.19	0.39	0.10	0.02	28.0	4.8	9	0.71
JN19025-017	4.56	0.04	0.17	410	<0.02	<10	20	0.19	0.43	0.13	0.03	28.0	6.9	8	0.70
JN19025-018	7.04	0.04	0.25	235	0.02	<10	30	0.29	0.56	0.22	0.03	35.4	10.0	10	1.10
JN19025-019	10.55	0.06	0.30	213	0.04	<10	30	0.32	0.68	0.36	0.02	32.8	12.6	13	1.11
JN19025-019S	0.15	0.40	1.30	1115	0.90	20	70	0.14	20.6	3.56	0.57	13.15	41.3	20	0.62
JN19025-020	8.89	0.09	0.40	75.9	0.23	<10	30	0.34	0.56	1.04	0.02	35.7	13.5	17	1.14

***** 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: 9-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153137

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
JN19025-001		20.0	3.52	4.16	0.05	0.02	0.01	0.017	0.10	23.9	31.9	0.51	591	1.18	0.02	0.10
JN19025-002		20.2	2.11	1.45	<0.05	0.04	0.01	0.012	0.13	27.5	4.2	0.09	291	0.95	0.02	<0.05
JN19025-003		16.2	2.14	1.22	0.06	0.06	0.01	0.016	0.12	35.1	1.4	0.04	243	0.76	0.01	<0.05
JN19025-004		16.1	1.78	1.00	<0.05	0.06	<0.01	0.013	0.12	28.8	0.9	0.02	137	0.71	0.01	<0.05
JN19025-005		19.8	2.02	1.21	0.05	0.07	0.01	0.022	0.13	27.5	1.4	0.03	241	0.82	0.02	<0.05
JN19025-006		24.1	2.03	0.72	<0.05	0.07	<0.01	0.022	0.09	13.8	1.2	0.05	488	0.79	0.02	<0.05
JN19025-007		12.5	2.02	0.98	<0.05	0.07	<0.01	0.023	0.13	24.5	1.6	0.12	394	0.57	0.02	<0.05
JN19025-008		6.6	1.21	0.69	<0.05	0.06	<0.01	0.012	0.06	14.1	1.5	0.06	148	0.42	0.02	<0.05
JN19025-009		7.1	1.45	0.71	<0.05	0.07	<0.01	0.010	0.06	14.8	1.7	0.09	202	0.37	0.02	<0.05
JN19025-010		9.7	1.39	0.59	<0.05	0.04	<0.01	0.011	0.07	13.0	1.2	0.06	175	0.31	0.01	<0.05
JN19025-010D		9.0	1.24	0.46	<0.05	0.05	<0.01	0.010	0.06	11.0	1.2	0.06	160	0.41	0.01	<0.05
JN19025-011		8.8	1.39	0.68	<0.05	0.09	<0.01	0.009	0.09	12.3	1.2	0.08	182	0.54	0.01	<0.05
JN19025-012		8.3	1.61	0.62	<0.05	0.08	<0.01	0.009	0.07	13.2	1.2	0.12	208	0.43	0.01	<0.05
JN19025-013		7.2	1.56	0.63	<0.05	0.08	<0.01	0.011	0.06	13.0	1.3	0.11	207	0.42	0.01	<0.05
JN19025-014		9.1	1.55	0.61	<0.05	0.07	<0.01	0.012	0.06	13.2	1.4	0.11	201	0.43	0.01	<0.05
JN19025-015		12.3	1.68	0.73	<0.05	0.08	<0.01	0.014	0.06	15.0	1.6	0.12	221	0.46	0.02	<0.05
JN19025-016		13.3	1.70	0.65	<0.05	0.07	<0.01	0.012	0.06	13.8	1.2	0.11	237	0.55	0.02	<0.05
JN19025-017		16.8	1.80	0.64	<0.05	0.07	<0.01	0.012	0.06	13.8	1.2	0.13	228	0.56	0.02	<0.05
JN19025-018		16.2	2.06	0.89	<0.05	0.09	<0.01	0.016	0.09	17.8	2.0	0.20	267	0.75	0.02	<0.05
JN19025-019		19.0	2.72	1.19	<0.05	0.09	<0.01	0.020	0.10	17.1	5.1	0.36	317	0.66	0.02	<0.05
JN19025-019S		123.5	2.89	3.74	0.08	0.15	0.01	0.091	0.13	8.1	7.8	0.42	621	5.34	0.12	0.23
JN19025-020		19.3	3.16	1.62	<0.05	0.08	<0.01	0.019	0.11	18.4	6.1	0.64	373	0.47	0.02	<0.05

***** 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: 9-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153137

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
JN19025-001		29.2	370	16.6	5.7	<0.001	0.02	0.69	1.6	<0.2	0.2	21.3	<0.01	0.02	7.4	<0.005
JN19025-002		25.3	280	12.5	6.4	<0.001	0.02	0.59	0.9	<0.2	0.5	10.4	<0.01	0.01	10.5	<0.005
JN19025-003		22.6	310	3.2	6.1	<0.001	<0.01	0.52	1.0	<0.2	0.8	10.4	<0.01	0.02	11.6	<0.005
JN19025-004		15.7	170	2.3	6.7	<0.001	0.01	0.64	0.7	<0.2	0.7	6.1	<0.01	0.01	10.5	<0.005
JN19025-005		21.4	240	6.5	8.2	<0.001	0.05	0.75	1.2	<0.2	1.6	6.9	<0.01	0.01	11.2	<0.005
JN19025-006		19.4	100	27.6	6.1	<0.001	0.29	0.85	0.7	<0.2	1.1	5.9	<0.01	0.01	7.9	<0.005
JN19025-007		18.7	160	10.4	7.0	<0.001	0.25	0.60	0.9	<0.2	1.8	9.8	<0.01	<0.01	11.0	<0.005
JN19025-008		9.0	100	2.0	4.7	<0.001	0.10	0.32	0.7	<0.2	0.5	4.6	<0.01	0.01	8.6	<0.005
JN19025-009		8.7	130	1.9	4.2	<0.001	0.10	0.29	0.8	<0.2	0.5	6.3	<0.01	0.01	7.9	<0.005
JN19025-010		8.3	60	1.7	5.7	<0.001	0.28	0.48	0.6	<0.2	0.8	5.3	<0.01	0.01	6.7	<0.005
JN19025-010D		7.5	60	2.0	4.9	<0.001	0.24	0.58	0.6	<0.2	0.6	5.3	<0.01	<0.01	6.6	<0.005
JN19025-011		11.1	260	2.4	5.1	<0.001	0.22	0.57	0.6	<0.2	0.3	9.5	<0.01	0.01	9.3	<0.005
JN19025-012		11.1	140	1.5	3.9	<0.001	0.10	0.44	0.7	<0.2	0.3	8.9	<0.01	0.01	9.0	<0.005
JN19025-013		10.0	190	1.4	3.7	<0.001	0.11	0.42	0.8	<0.2	0.2	9.0	<0.01	<0.01	8.9	<0.005
JN19025-014		10.6	140	1.6	4.0	<0.001	0.15	0.59	0.8	<0.2	0.4	8.5	<0.01	0.01	8.9	<0.005
JN19025-015		11.0	130	2.4	4.9	<0.001	0.16	0.61	1.0	<0.2	0.5	9.4	<0.01	<0.01	9.2	<0.005
JN19025-016		12.9	130	4.0	4.3	<0.001	0.23	0.90	1.0	0.2	0.4	9.2	<0.01	0.01	9.3	<0.005
JN19025-017		15.7	230	5.8	3.9	<0.001	0.34	1.03	1.0	<0.2	0.7	11.1	<0.01	0.01	7.9	<0.005
JN19025-018		21.8	300	5.0	5.9	<0.001	0.30	0.91	1.2	<0.2	1.1	16.2	<0.01	0.02	10.1	<0.005
JN19025-019		29.5	230	5.9	5.8	<0.001	0.43	1.11	1.4	0.2	0.8	19.5	<0.01	0.04	9.2	<0.005
JN19025-019S		18.5	830	12.7	5.0	0.048	0.25	3.38	2.0	2.7	1.4	87.0	<0.01	2.35	1.7	0.079
JN19025-020		34.9	200	7.0	6.7	<0.001	0.36	1.25	1.6	0.3	0.7	49.4	<0.01	0.04	10.0	<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: 9-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153137

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.05	1	0.05	0.05	2	0.5	0.005
JN19025-001		0.05	0.86	13	1.49	3.26	67	1.0	<0.005
JN19025-002		0.05	1.03	6	1.72	3.08	43	2.7	0.008
JN19025-003		0.04	1.05	7	0.91	4.01	23	3.5	<0.005
JN19025-004		0.05	0.79	5	1.33	2.21	17	3.4	<0.005
JN19025-005		0.07	0.98	6	1.39	3.49	20	3.2	<0.005
JN19025-006		0.06	0.85	4	1.11	2.55	66	2.7	<0.005
JN19025-007		0.06	1.16	5	0.85	3.66	24	3.6	<0.005
JN19025-008		0.04	0.61	4	0.98	2.10	12	2.4	<0.005
JN19025-009		0.03	0.59	4	0.96	2.27	14	2.8	<0.005
JN19025-010		0.05	0.46	3	0.85	1.75	9	2.0	0.010
JN19025-010D		0.05	0.45	2	0.90	1.48	9	2.0	0.008
JN19025-011		0.04	0.70	3	0.83	1.97	16	3.9	<0.005
JN19025-012		0.04	0.65	4	0.68	1.97	14	3.5	<0.005
JN19025-013		0.04	0.57	4	0.97	2.06	13	3.3	<0.005
JN19025-014		0.05	0.60	4	1.22	2.03	14	3.1	0.013
JN19025-015		0.05	0.67	5	1.22	2.37	14	3.3	0.027
JN19025-016		0.05	0.65	5	1.12	2.07	17	3.0	0.056
JN19025-017		0.07	0.65	5	0.17	2.44	17	3.2	0.033
JN19025-018		0.06	0.87	7	1.08	3.41	23	4.5	0.069
JN19025-019		0.07	0.81	9	1.00	4.06	30	4.5	0.044
JN19025-019S		0.05	1.58	48	6.92	6.00	93	4.6	1.035
JN19025-020		0.07	0.87	12	0.49	5.27	42	4.6	0.023

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

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
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Finalized Date: 9-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153137

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	LOG-22
LOG-24	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-AA24	ME-MS41

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

Finalized Date: 9-JUL-2019
This copy reported on 5-FEB-2020
Account: TELOEX

WH19153147

Project: Justin 2019 RAB Drill Program

P.O. No.: JN2019-1

This report is for 22 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 24-JUN-2019.

The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS41	Ultra Trace Aqua Regia ICP-MS	

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:

Saa Traxler, General Manager, North Vancouver

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Finalized Date: 9-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153147

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
JN19026-001		0.37	0.04	1.34	81.2	<0.02	<10	40	0.30	0.33	0.19	0.08	38.5	11.7	23	0.69
JN19026-002		3.41	0.05	1.19	31.8	<0.02	<10	20	0.30	0.27	0.12	0.07	43.4	12.1	25	0.47
JN19026-003		4.46	0.08	0.45	25.6	<0.02	<10	20	0.43	0.38	0.10	0.05	51.1	10.4	13	0.78
JN19026-004		3.48	0.05	0.27	24.5	<0.02	<10	20	0.37	0.24	0.09	0.03	58.2	8.9	10	0.99
JN19026-005		3.78	0.04	0.26	16.7	<0.02	<10	20	0.21	0.38	0.06	0.01	60.8	7.8	9	0.94
JN19026-006		1.17	0.03	0.31	14.0	<0.02	<10	20	0.27	0.22	0.08	0.01	42.5	8.0	9	0.89
JN19026-007		0.90	0.03	0.19	13.4	<0.02	<10	20	0.21	0.10	0.04	0.01	23.7	5.9	9	0.64
JN19026-008		3.33	0.02	0.22	18.4	<0.02	<10	10	0.28	0.07	0.10	0.01	23.3	4.9	7	0.86
JN19026-009		2.94	0.01	0.18	7.8	<0.02	<10	10	0.17	0.07	0.10	0.01	25.8	3.4	10	0.53
JN19026-010		3.35	0.01	0.15	14.2	<0.02	<10	10	0.12	0.04	0.08	<0.01	21.9	2.7	10	0.43
JN19026-010D		2.32	0.01	0.15	14.3	<0.02	<10	10	0.09	0.04	0.08	0.01	22.0	2.6	9	0.45
JN19026-011		2.99	0.02	0.14	12.7	<0.02	<10	10	0.11	0.06	0.08	0.01	24.2	2.5	9	0.45
JN19026-012		2.92	0.02	0.14	4.8	<0.02	<10	10	0.11	0.11	0.09	0.01	29.4	3.5	9	0.42
JN19026-013		1.66	0.02	0.19	109.5	<0.02	<10	20	0.14	0.24	0.12	0.01	32.9	3.9	8	0.77
JN19026-014		2.30	0.09	0.12	4350	0.70	<10	10	0.11	0.24	0.08	0.01	20.5	3.7	6	0.44
JN19026-015		2.15	0.02	0.12	1095	0.08	<10	10	0.11	0.17	0.07	0.02	19.15	3.2	8	0.43
JN19026-016		2.20	0.03	0.14	877	0.06	<10	10	0.09	0.45	0.07	0.02	19.85	5.7	7	0.49
JN19026-017		3.24	0.06	0.22	217	0.02	<10	20	0.21	0.31	0.14	0.01	32.4	10.3	9	0.90
JN19026-018		2.69	0.02	0.17	210	0.03	<10	20	0.14	0.13	0.10	0.01	24.7	4.2	10	0.51
JN19026-019		2.63	0.03	0.13	482	<0.02	<10	20	0.09	0.11	0.07	0.01	18.10	2.9	8	0.36
JN19026-019B		6.55	<0.01	0.03	0.4	<0.02	<10	10	<0.05	0.01	>25.0	0.01	0.98	0.7	<1	<0.05
JN19026-020		2.27	0.02	0.12	235	<0.02	<10	10	0.09	0.09	0.14	0.02	21.1	2.7	8	0.38

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

ALS Canada Ltd.

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

Finalized Date: 9-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153147

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
JN19026-001		16.2	3.43	4.19	0.06	0.03	0.01	0.021	0.11	20.2	39.4	0.51	564	0.90	0.02	0.18
JN19026-002		24.6	3.53	3.67	0.07	0.03	<0.01	0.017	0.07	22.0	41.4	0.50	452	1.15	0.01	<0.05
JN19026-003		18.3	2.49	1.50	0.06	0.07	<0.01	0.020	0.09	26.6	8.1	0.12	372	0.80	0.01	<0.05
JN19026-004		10.8	1.94	1.00	0.06	0.07	<0.01	0.023	0.10	29.9	2.2	0.05	283	0.79	0.01	<0.05
JN19026-005		13.0	1.52	0.95	0.07	0.07	<0.01	0.017	0.11	31.5	1.4	0.03	194	0.69	0.01	<0.05
JN19026-006		8.7	2.07	0.99	<0.05	0.08	<0.01	0.011	0.12	21.3	1.7	0.02	311	0.51	0.01	<0.05
JN19026-007		15.4	2.05	0.67	<0.05	0.06	<0.01	0.012	0.07	11.7	0.6	0.02	347	0.43	0.01	<0.05
JN19026-008		7.1	1.88	0.69	<0.05	0.08	<0.01	0.010	0.07	11.8	1.6	0.11	311	0.38	0.01	<0.05
JN19026-009		5.9	1.53	0.69	<0.05	0.05	<0.01	0.011	0.06	12.8	1.6	0.11	181	0.55	0.02	<0.05
JN19026-010		3.7	1.32	0.59	<0.05	0.05	<0.01	0.008	0.05	10.8	1.4	0.10	164	0.57	0.02	<0.05
JN19026-010D		4.1	1.29	0.61	<0.05	0.05	<0.01	0.008	0.05	10.7	1.5	0.10	161	0.55	0.02	<0.05
JN19026-011		5.9	1.53	0.58	<0.05	0.05	<0.01	0.009	0.05	11.8	1.4	0.12	220	0.56	0.02	<0.05
JN19026-012		7.7	1.43	0.59	<0.05	0.06	<0.01	0.008	0.04	13.8	1.2	0.10	173	0.53	0.01	<0.05
JN19026-013		6.7	1.24	0.68	<0.05	0.05	<0.01	0.016	0.08	16.8	1.4	0.08	166	0.46	0.01	<0.05
JN19026-014		11.4	1.97	0.47	<0.05	0.06	<0.01	0.012	0.04	10.4	0.8	0.08	239	0.53	0.01	<0.05
JN19026-015		8.3	1.32	0.41	<0.05	0.05	<0.01	0.010	0.04	9.4	0.8	0.07	175	0.56	0.01	<0.05
JN19026-016		16.0	1.32	0.50	<0.05	0.06	<0.01	0.008	0.05	10.3	0.8	0.06	171	0.48	0.01	<0.05
JN19026-017		20.6	1.90	0.78	<0.05	0.09	<0.01	0.010	0.10	17.6	1.0	0.14	237	0.59	0.01	<0.05
JN19026-018		7.3	1.30	0.70	<0.05	0.06	<0.01	0.009	0.07	12.7	1.0	0.09	159	0.67	0.02	<0.05
JN19026-019		7.6	1.43	0.48	<0.05	0.04	<0.01	0.011	0.04	9.2	0.7	0.08	236	0.58	0.01	<0.05
JN19026-019B		4.2	0.08	0.13	<0.05	0.02	<0.01	<0.005	0.01	1.1	0.7	0.70	80	<0.05	0.01	0.08
JN19026-020		7.0	1.31	0.47	<0.05	0.05	<0.01	0.008	0.04	10.0	0.8	0.08	226	0.57	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: 9-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153147

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
JN19026-001		23.9	380	19.6	6.5	<0.001	0.03	0.88	1.6	<0.2	0.3	20.6	<0.01	0.03	6.1	<0.005
JN19026-002		30.2	350	15.3	3.7	<0.001	0.01	1.02	1.6	0.3	0.2	13.5	<0.01	0.03	8.3	<0.005
JN19026-003		28.8	270	13.8	5.2	<0.001	0.02	0.94	1.1	<0.2	0.7	11.3	<0.01	0.02	11.3	<0.005
JN19026-004		24.4	210	7.4	5.9	<0.001	0.02	0.58	0.9	<0.2	1.0	10.0	<0.01	0.01	13.4	<0.005
JN19026-005		16.9	200	3.8	5.4	<0.001	0.01	0.66	0.7	<0.2	0.8	7.7	<0.01	0.02	12.1	<0.005
JN19026-006		17.8	290	2.3	5.4	<0.001	0.01	0.76	0.8	<0.2	0.5	8.7	<0.01	0.02	9.2	<0.005
JN19026-007		17.9	80	1.6	3.2	<0.001	0.02	0.40	0.7	<0.2	0.2	5.1	<0.01	0.01	6.6	<0.005
JN19026-008		17.2	70	1.4	3.6	<0.001	0.14	0.45	0.9	<0.2	0.2	7.7	<0.01	<0.01	6.8	<0.005
JN19026-009		10.4	70	1.4	3.4	<0.001	0.11	0.36	0.8	<0.2	0.2	5.7	<0.01	<0.01	7.2	<0.005
JN19026-010		8.5	80	1.2	2.9	<0.001	0.10	0.26	0.8	0.2	<0.2	4.8	<0.01	<0.01	7.0	<0.005
JN19026-010D		8.5	70	1.2	3.0	<0.001	0.10	0.36	0.7	<0.2	<0.2	4.7	<0.01	0.01	7.1	<0.005
JN19026-011		7.8	70	1.5	3.0	<0.001	0.14	0.34	0.7	<0.2	<0.2	4.9	<0.01	<0.01	6.3	<0.005
JN19026-012		10.1	110	2.3	3.0	<0.001	0.08	0.31	0.7	0.2	0.2	7.4	<0.01	<0.01	7.7	<0.005
JN19026-013		9.1	260	1.9	6.4	<0.001	0.10	0.39	0.7	<0.2	0.6	10.9	<0.01	<0.01	9.0	<0.005
JN19026-014		11.8	130	2.5	2.6	<0.001	0.44	2.39	0.8	0.2	0.2	7.6	<0.01	0.04	6.0	<0.005
JN19026-015		8.8	90	3.7	3.0	<0.001	0.16	1.00	0.6	<0.2	0.2	7.5	<0.01	0.02	6.8	<0.005
JN19026-016		12.8	130	2.9	3.1	<0.001	0.25	0.81	0.7	0.2	0.2	7.5	<0.01	0.02	7.1	<0.005
JN19026-017		22.0	190	3.5	4.7	<0.001	0.22	1.44	0.8	<0.2	<0.2	13.9	<0.01	0.03	11.9	<0.005
JN19026-018		11.6	120	1.9	3.4	<0.001	0.11	0.68	0.7	<0.2	<0.2	7.6	<0.01	0.01	8.2	<0.005
JN19026-019		8.2	90	1.7	2.5	<0.001	0.18	0.60	0.8	0.2	<0.2	6.2	<0.01	0.01	6.5	<0.005
JN19026-019B		0.4	90	0.5	0.6	<0.001	<0.01	<0.05	0.2	0.6	<0.2	87.5	<0.01	0.01	<0.2	0.005
JN19026-020		7.8	100	1.8	2.4	<0.001	0.12	0.50	0.7	0.2	<0.2	6.8	<0.01	0.01	6.3	<0.005

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

Finalized Date: 9-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153147

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.05	1	0.05	0.05	2	0.5	0.005
JN19026-001		0.06	1.01	15	0.98	3.11	66	1.2	0.007
JN19026-002		0.04	0.76	12	1.56	3.03	67	2.4	0.005
JN19026-003		0.04	1.28	6	1.27	3.57	35	4.8	<0.005
JN19026-004		0.05	1.19	5	0.79	3.64	21	4.2	<0.005
JN19026-005		0.05	1.04	4	1.19	2.93	18	3.6	<0.005
JN19026-006		0.04	0.77	4	0.78	2.40	19	4.1	<0.005
JN19026-007		0.03	0.45	4	0.96	1.66	26	3.4	<0.005
JN19026-008		0.03	0.53	5	0.72	1.65	21	3.5	<0.005
JN19026-009		0.03	0.50	5	0.86	1.56	16	2.8	<0.005
JN19026-010		0.02	0.45	5	1.27	1.41	15	2.5	0.005
JN19026-010D		0.02	0.43	5	1.28	1.43	14	2.4	<0.005
JN19026-011		0.03	0.41	4	1.35	1.60	13	2.3	<0.005
JN19026-012		0.02	0.49	4	1.07	1.67	12	2.6	<0.005
JN19026-013		0.05	0.62	4	1.01	2.42	11	2.6	<0.005
JN19026-014		0.04	0.45	3	1.51	1.91	10	2.6	0.890
JN19026-015		0.03	0.44	3	1.25	1.46	10	2.7	0.090
JN19026-016		0.03	0.52	3	1.27	1.55	13	2.8	0.070
JN19026-017		0.04	1.00	4	0.82	1.96	25	4.5	0.042
JN19026-018		0.02	0.62	4	1.90	1.63	18	2.8	0.018
JN19026-019		0.02	0.45	4	2.09	1.56	13	2.5	0.036
JN19026-019B		<0.02	0.10	1	<0.05	2.34	<2	0.5	<0.005
JN19026-020		0.02	0.45	3	1.51	1.47	13	2.3	0.015

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Finalized Date: 9-JUL-2019
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Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153147

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	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-AA24	ME-MS41

ALS Canada Ltd.

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

Finalized Date: 9-JUL-2019
This copy reported on 5-FEB-2020
Account: TELOEX

WH19153160

Project: Justin 2019 RAB Drill Program

P.O. No.: JN2019-01

This report is for 21 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 24-JUN-2019.

The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32m	Pulverize 500g - 85%<75um
BAG-01	Bulk Master for Storage
LOG-24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS41	Ultra Trace Aqua Regia ICP-MS	

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:

Saa Traxler, General Manager, North Vancouver

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Finalized Date: 9-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153160

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
JN19027-001		2.95	0.05	1.04	56.3	<0.02	<10	30	0.22	0.23	2.24	0.07	35.8	11.3	22	0.47
JN19027-002		3.28	0.08	0.50	49.6	<0.02	<10	20	0.21	0.25	0.11	0.06	41.2	7.7	16	0.51
JN19027-003		3.58	0.13	0.27	53.2	0.04	<10	20	0.30	0.50	0.05	0.03	41.3	9.9	8	1.14
JN19027-004		3.72	0.03	0.15	16.8	<0.02	<10	10	0.16	0.15	0.03	0.02	28.9	4.3	8	0.53
JN19027-005		3.49	0.07	0.17	21.6	<0.02	<10	10	0.15	0.07	0.04	0.06	29.8	4.1	8	0.57
JN19027-006		2.20	0.11	0.21	26.3	<0.02	<10	20	0.28	0.53	0.19	0.05	32.3	5.2	8	1.13
JN19027-007		2.33	0.05	0.23	20.3	<0.02	<10	20	0.24	0.15	0.34	0.01	35.9	4.0	8	1.08
JN19027-008		2.83	0.05	0.16	15.8	<0.02	<10	10	0.12	0.12	0.43	0.03	24.5	2.6	7	0.50
JN19027-009		1.05	0.03	0.14	200	<0.02	<10	10	0.11	0.07	0.07	0.01	20.5	1.9	6	0.47
JN19027-010		2.54	0.30	0.14	2560	0.06	<10	10	0.15	3.18	0.05	0.02	23.1	56.7	7	0.63
JN19027-010D		2.36	0.26	0.15	2060	0.06	<10	10	0.14	2.53	0.06	0.02	24.4	47.3	7	0.65
JN19027-011		3.56	0.12	0.18	889	0.02	<10	10	0.16	0.97	0.09	0.01	26.0	19.9	9	0.75
JN19027-012		3.98	0.04	0.18	288	0.02	<10	10	0.18	0.27	0.11	0.02	27.3	5.8	9	0.57
JN19027-013		3.64	0.06	0.20	242	0.10	<10	20	0.21	0.35	0.14	0.01	28.6	8.2	9	0.60
JN19027-014		4.39	0.08	0.25	98.5	<0.02	<10	20	0.25	0.38	0.12	0.03	37.2	10.2	9	0.89
JN19027-015		2.59	0.10	0.26	124.0	<0.02	<10	30	0.38	0.34	0.18	0.02	37.0	11.9	10	1.15
JN19027-016		0.75	0.08	0.24	188.5	<0.02	<10	20	0.32	0.26	0.16	0.02	29.5	8.8	9	1.04
JN19027-017		1.10	0.03	0.18	463	<0.02	<10	20	0.16	0.23	0.07	0.01	23.7	3.8	10	0.62
JN19027-018		1.21	0.03	0.16	92.5	<0.02	<10	10	0.13	0.11	0.08	0.01	22.9	3.7	10	0.48
JN19027-019		0.82	0.04	0.17	190.5	<0.02	<10	10	0.12	0.23	0.07	0.01	20.7	5.3	11	0.52
JN19027-019S		0.12	15.40	1.18	474	0.50	10	150	0.18	14.40	2.92	0.42	15.00	22.0	33	0.66

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

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Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153160

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
JN19027-001		17.5	2.87	3.28	0.06	0.02	<0.01	0.016	0.08	17.6	34.1	0.43	433	1.16	0.02	0.09
JN19027-002		18.5	2.19	1.66	0.05	0.07	<0.01	0.012	0.07	20.8	12.2	0.16	290	1.05	0.01	<0.05
JN19027-003		21.6	2.17	0.97	0.05	0.09	<0.01	0.012	0.10	22.3	2.4	0.04	314	0.71	0.01	<0.05
JN19027-004		9.6	1.11	0.52	<0.05	0.05	<0.01	0.014	0.05	15.0	0.7	0.01	162	0.88	0.01	<0.05
JN19027-005		20.2	1.32	0.55	<0.05	0.06	<0.01	0.016	0.06	14.3	0.9	0.01	267	0.78	0.01	<0.05
JN19027-006		11.7	1.84	0.83	<0.05	0.08	<0.01	0.015	0.09	17.1	2.0	0.13	299	0.48	0.02	<0.05
JN19027-007		9.7	1.32	0.95	0.05	0.09	<0.01	0.015	0.10	17.4	2.6	0.12	230	0.50	0.02	<0.05
JN19027-008		7.9	1.18	0.64	<0.05	0.05	0.01	0.009	0.06	12.1	2.3	0.09	252	0.44	0.01	<0.05
JN19027-009		6.5	1.03	0.51	<0.05	0.06	<0.01	0.007	0.05	9.9	1.2	0.06	195	0.31	0.02	<0.05
JN19027-010		12.5	1.18	0.54	<0.05	0.05	<0.01	0.010	0.05	11.3	1.5	0.04	153	0.56	0.02	<0.05
JN19027-010D		11.9	1.18	0.59	<0.05	0.06	<0.01	0.010	0.05	11.4	1.7	0.04	159	0.38	0.02	<0.05
JN19027-011		12.1	1.34	0.66	<0.05	0.06	<0.01	0.012	0.07	13.0	1.7	0.08	230	0.35	0.02	<0.05
JN19027-012		9.9	1.46	0.68	<0.05	0.07	<0.01	0.011	0.07	13.2	1.3	0.10	224	0.38	0.02	<0.05
JN19027-013		12.2	1.60	0.75	<0.05	0.08	<0.01	0.012	0.08	15.4	1.3	0.12	201	0.42	0.02	<0.05
JN19027-014		17.3	1.40	0.95	0.05	0.09	0.01	0.009	0.11	19.9	1.2	0.10	182	0.89	0.02	<0.05
JN19027-015		26.9	2.09	1.02	0.05	0.11	<0.01	0.016	0.11	20.2	1.4	0.17	284	0.79	0.02	<0.05
JN19027-016		18.8	2.29	0.87	0.05	0.09	<0.01	0.014	0.10	16.4	1.2	0.17	329	0.55	0.01	<0.05
JN19027-017		7.9	1.36	0.65	<0.05	0.07	<0.01	0.011	0.06	11.4	1.1	0.07	218	0.60	0.02	<0.05
JN19027-018		7.6	1.34	0.58	<0.05	0.07	<0.01	0.010	0.05	11.6	1.1	0.07	242	0.60	0.02	<0.05
JN19027-019		7.5	1.03	0.58	<0.05	0.06	<0.01	0.009	0.05	10.0	0.9	0.05	164	0.55	0.01	<0.05
JN19027-019S		8090	3.26	3.87	0.05	0.14	0.31	0.104	0.18	8.7	5.5	0.35	622	563	0.11	0.27

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

ALS Canada Ltd.

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

Finalized Date: 9-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153160

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
JN19027-001		24.9	300	19.2	4.2	<0.001	0.03	0.86	1.4	<0.2	0.2	96.2	<0.01	0.02	7.0	<0.005
JN19027-002		19.5	360	13.1	3.5	<0.001	0.01	0.86	0.9	<0.2	0.2	12.3	<0.01	0.02	9.5	<0.005
JN19027-003		23.2	180	6.3	5.4	<0.001	0.07	1.03	0.9	<0.2	0.3	6.9	<0.01	0.02	12.7	<0.005
JN19027-004		10.1	110	1.6	3.2	<0.001	0.03	0.45	0.6	<0.2	0.4	3.7	<0.01	<0.01	8.7	<0.005
JN19027-005		12.4	190	4.8	3.1	<0.001	0.02	0.43	0.6	<0.2	0.3	4.4	<0.01	<0.01	9.9	<0.005
JN19027-006		15.9	100	9.3	6.3	<0.001	0.31	0.69	0.8	<0.2	0.6	8.3	<0.01	0.01	7.4	<0.005
JN19027-007		11.4	540	5.6	6.8	<0.001	0.25	0.53	0.8	<0.2	1.0	15.4	<0.01	<0.01	10.2	<0.005
JN19027-008		7.8	80	6.6	4.0	<0.001	0.20	0.54	0.5	<0.2	0.4	13.7	<0.01	<0.01	7.9	<0.005
JN19027-009		6.2	60	3.1	3.1	<0.001	0.16	0.56	0.4	<0.2	0.2	4.1	<0.01	<0.01	6.4	<0.005
JN19027-010		11.1	60	20.6	4.1	<0.001	0.23	2.33	0.6	0.2	0.8	5.2	<0.01	0.23	5.7	<0.005
JN19027-010D		8.4	60	17.6	4.1	<0.001	0.20	1.88	0.6	0.3	0.7	5.3	<0.01	0.20	6.2	<0.005
JN19027-011		9.2	80	7.6	5.9	<0.001	0.25	1.24	0.7	<0.2	0.8	6.7	<0.01	0.08	8.0	<0.005
JN19027-012		9.1	120	3.0	4.5	<0.001	0.18	0.63	0.7	<0.2	0.5	7.0	<0.01	0.02	7.5	<0.005
JN19027-013		16.2	160	3.0	4.4	<0.001	0.19	0.76	0.8	<0.2	0.3	8.3	<0.01	0.02	10.1	<0.005
JN19027-014		20.6	160	5.6	5.9	<0.001	0.18	1.23	0.8	<0.2	0.2	9.4	<0.01	0.03	11.8	<0.005
JN19027-015		26.0	190	4.4	5.9	<0.001	0.31	1.03	1.0	<0.2	0.2	11.5	<0.01	0.02	12.7	<0.005
JN19027-016		21.5	180	5.5	5.4	<0.001	0.30	1.07	1.1	<0.2	0.2	9.9	<0.01	0.02	10.3	<0.005
JN19027-017		8.8	70	2.0	4.0	<0.001	0.20	0.61	0.8	<0.2	0.3	6.4	<0.01	0.02	8.0	<0.005
JN19027-018		7.0	90	1.6	2.9	<0.001	0.15	0.41	0.8	<0.2	<0.2	7.3	<0.01	0.01	7.3	<0.005
JN19027-019		6.5	80	2.6	3.4	<0.001	0.10	0.43	0.5	<0.2	0.2	6.7	<0.01	0.01	6.7	<0.005
JN19027-019S		26.7	610	28.7	6.5	0.408	0.70	30.4	2.2	1.6	2.4	170.0	<0.01	1.60	1.7	0.070

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

Finalized Date: 9-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153160

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.05	1	0.05	0.05	2	0.5	0.005
JN19027-001		0.04	0.69	10	4.31	3.64	56	1.1	0.005
JN19027-002		0.04	0.82	6	2.63	2.64	36	3.5	0.014
JN19027-003		0.06	1.09	4	1.59	2.20	22	5.0	0.009
JN19027-004		0.03	0.67	2	4.87	1.93	10	2.5	<0.005
JN19027-005		0.03	0.63	3	3.29	2.09	18	2.7	<0.005
JN19027-006		0.06	0.73	5	1.61	2.52	29	3.8	<0.005
JN19027-007		0.05	0.74	5	1.91	3.42	15	4.9	<0.005
JN19027-008		0.04	0.50	3	2.65	1.76	17	2.1	<0.005
JN19027-009		0.02	0.43	3	1.17	1.30	10	1.9	<0.005
JN19027-010		0.04	0.45	3	1.77	1.63	9	1.9	0.052
JN19027-010D		0.04	0.46	3	1.74	1.65	10	2.0	0.042
JN19027-011		0.05	0.58	4	1.97	2.20	11	2.5	0.017
JN19027-012		0.04	0.56	4	1.96	2.00	14	2.7	0.054
JN19027-013		0.04	0.73	4	1.47	2.01	18	3.9	0.050
JN19027-014		0.04	0.92	4	0.67	2.11	35	4.5	0.019
JN19027-015		0.05	1.12	5	0.96	2.22	33	5.6	0.014
JN19027-016		0.05	0.93	4	0.66	2.03	24	4.8	0.020
JN19027-017		0.03	0.53	4	1.22	1.62	13	2.8	0.015
JN19027-018		0.02	0.49	3	1.20	1.62	12	2.8	0.007
JN19027-019		0.03	0.49	3	0.97	1.33	9	2.4	0.009
JN19027-019S		0.06	1.87	41	8.12	6.28	56	4.3	0.527

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Finalized Date: 9-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153160

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	LOG-22
	LOG-24	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-AA24	ME-MS41

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

Finalized Date: 9-JUL-2019
This copy reported on 5-FEB-2020
Account: TELOEX

WH19153174

Project: Justin 2019 RAB Drill Program

P.O. No.: JN2019-1

This report is for 22 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 24-JUN-2019.

The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS41	Ultra Trace Aqua Regia ICP-MS	

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:

Saa Traxler, General Manager, North Vancouver

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

Finalized Date: 9-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153174

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
JN19028-001	1.56	0.08	1.08	372	<0.02	<10	20	0.27	0.58	0.13	0.05	38.2	16.0	21	0.58
JN19028-002	2.73	0.06	1.43	67.2	<0.02	<10	30	0.30	0.33	0.49	0.13	48.7	12.1	25	0.57
JN19028-003	2.31	0.05	0.44	184.5	0.04	<10	10	0.17	0.25	0.10	0.06	30.5	6.9	15	0.46
JN19028-004	3.87	0.02	0.18	154.5	<0.02	<10	10	0.11	0.13	0.06	0.02	20.5	2.7	9	0.52
JN19028-005	1.78	0.02	0.15	69.6	<0.02	<10	10	0.10	0.08	0.03	0.02	17.20	1.9	7	0.57
JN19028-006	1.84	0.02	0.11	62.2	<0.02	<10	10	0.08	0.11	0.03	0.02	18.35	1.9	7	0.43
JN19028-007	0.46	0.04	0.16	131.5	<0.02	<10	10	0.13	0.24	0.05	0.03	27.2	3.9	6	0.67
JN19028-008	4.62	0.03	0.16	130.5	<0.02	<10	10	0.11	0.14	0.06	0.02	23.1	2.8	8	0.72
JN19028-009	6.61	0.04	0.17	107.0	0.02	<10	10	0.11	0.18	0.06	0.02	20.6	2.1	8	0.73
JN19028-010	2.96	0.03	0.10	1320	0.07	<10	10	0.06	0.29	0.02	0.01	12.05	2.3	5	0.39
JN19028-010D	2.02	0.03	0.10	1105	0.05	<10	10	0.06	0.32	0.03	0.01	12.45	2.2	6	0.40
JN19028-011	3.39	0.06	0.10	991	0.10	<10	10	0.09	0.37	0.03	0.02	13.75	3.4	6	0.46
JN19028-012	3.38	0.10	0.15	402	0.08	<10	10	0.16	0.32	0.10	0.02	15.70	3.6	7	0.59
JN19028-013	3.76	0.09	0.16	668	0.22	<10	20	0.17	0.26	0.09	0.02	17.35	6.3	7	0.58
JN19028-014	5.21	0.07	0.19	393	0.12	<10	20	0.21	0.31	0.11	0.03	22.3	9.3	9	0.78
JN19028-015	4.40	0.12	0.26	452	0.14	<10	20	0.23	0.41	0.17	0.03	23.8	8.7	10	0.85
JN19028-016	4.66	0.12	0.60	470	0.12	<10	20	0.24	0.43	0.55	0.02	21.2	10.6	16	0.86
JN19028-017	4.31	0.09	0.53	604	0.27	<10	20	0.23	0.95	0.69	0.02	24.1	8.2	13	1.09
JN19028-018	4.26	0.03	0.27	184.5	0.03	<10	10	0.14	0.25	0.53	0.01	21.1	4.0	8	0.83
JN19028-019	6.37	0.05	0.31	301	0.07	<10	20	0.15	0.24	0.87	0.01	20.4	5.8	10	0.90
JN19028-019B	5.97	<0.01	0.02	0.1	<0.02	<10	290	<0.05	0.01	>25.0	0.01	0.97	0.8	<1	<0.05
JN19028-020	3.58	0.07	0.49	210	0.34	<10	20	0.14	0.14	1.16	0.01	21.7	5.7	12	0.99

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CRANBROOK BC V1C 2R7

Finalized Date: 9-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153174

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
JN19028-001		20.9	2.91	3.42	0.06	0.03	0.01	0.016	0.08	19.8	32.4	0.41	403	1.20	0.02	<0.05
JN19028-002		21.2	3.48	4.50	0.08	0.06	<0.01	0.022	0.08	25.1	44.6	0.59	550	0.97	0.02	0.17
JN19028-003		12.9	1.78	1.50	0.05	0.04	<0.01	0.012	0.06	15.2	12.0	0.14	212	1.46	0.02	<0.05
JN19028-004		7.0	1.19	0.59	<0.05	0.05	<0.01	0.006	0.05	10.1	2.8	0.03	122	0.93	0.02	<0.05
JN19028-005		4.9	1.03	0.51	<0.05	0.05	<0.01	0.009	0.05	8.5	1.6	0.02	102	0.66	0.01	<0.05
JN19028-006		6.1	0.79	0.37	<0.05	0.04	<0.01	0.006	0.04	8.8	1.1	0.01	86	0.62	0.02	<0.05
JN19028-007		13.9	1.28	0.56	<0.05	0.06	<0.01	0.010	0.06	13.1	1.6	0.02	140	0.51	0.02	<0.05
JN19028-008		8.7	1.07	0.56	<0.05	0.05	<0.01	0.010	0.06	11.1	1.6	0.02	109	0.68	0.02	<0.05
JN19028-009		10.1	1.00	0.57	<0.05	0.05	<0.01	0.011	0.06	10.0	1.4	0.02	106	0.65	0.02	<0.05
JN19028-010		9.0	0.89	0.35	<0.05	0.05	<0.01	<0.005	0.05	6.1	0.6	0.01	81	0.36	0.01	<0.05
JN19028-010D		11.5	0.88	0.37	<0.05	0.04	<0.01	0.005	0.04	6.1	0.6	0.01	82	0.46	0.01	<0.05
JN19028-011		17.2	1.17	0.41	<0.05	0.06	<0.01	0.007	0.05	7.0	0.7	0.03	112	0.51	0.01	<0.05
JN19028-012		24.8	1.57	0.56	<0.05	0.06	<0.01	0.010	0.06	7.8	1.4	0.08	170	0.41	0.01	<0.05
JN19028-013		30.7	1.87	0.63	<0.05	0.07	0.01	0.012	0.07	8.7	1.2	0.08	178	0.49	0.01	<0.05
JN19028-014		33.6	2.15	0.77	<0.05	0.08	<0.01	0.016	0.08	11.6	1.5	0.12	233	0.53	0.01	<0.05
JN19028-015		33.2	2.35	1.09	<0.05	0.08	<0.01	0.015	0.08	12.4	4.5	0.20	243	0.48	0.01	<0.05
JN19028-016		31.7	2.96	2.18	<0.05	0.08	<0.01	0.014	0.09	10.4	16.9	0.43	292	0.42	0.02	<0.05
JN19028-017		24.7	2.48	2.05	0.05	0.08	<0.01	0.015	0.09	12.0	14.5	0.38	264	0.39	0.02	<0.05
JN19028-018		14.4	1.60	1.06	<0.05	0.06	<0.01	0.010	0.08	10.5	5.9	0.25	189	0.33	0.02	<0.05
JN19028-019		23.8	2.03	1.24	<0.05	0.07	<0.01	0.020	0.09	10.0	6.6	0.35	269	0.62	0.02	<0.05
JN19028-019B		8.6	0.07	0.07	<0.05	<0.02	<0.01	<0.005	<0.01	1.1	0.5	0.76	95	<0.05	0.01	<0.05
JN19028-020		16.3	2.02	1.99	<0.05	0.05	<0.01	0.016	0.08	10.4	12.6	0.34	298	0.30	0.02	<0.05

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

ALS Canada Ltd.

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

Finalized Date: 9-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153174

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
JN19028-001		23.5	300	17.2	5.3	<0.001	0.08	0.88	1.4	<0.2	0.3	13.7	<0.01	0.05	8.8	<0.005
JN19028-002		29.9	440	21.5	4.8	<0.001	0.02	0.86	1.9	<0.2	0.2	29.9	<0.01	0.02	8.7	0.006
JN19028-003		14.7	260	6.9	4.4	<0.001	0.04	0.73	1.0	<0.2	0.3	10.4	<0.01	0.01	7.0	<0.005
JN19028-004		7.5	140	2.3	4.1	<0.001	0.03	0.67	0.7	<0.2	0.3	7.9	<0.01	0.01	6.2	<0.005
JN19028-005		6.4	70	2.1	5.4	<0.001	0.05	0.69	0.6	<0.2	0.4	5.4	<0.01	<0.01	6.1	<0.005
JN19028-006		5.0	80	1.7	3.3	<0.001	0.03	0.51	0.4	<0.2	0.2	5.9	<0.01	<0.01	4.3	<0.005
JN19028-007		8.3	150	3.4	5.4	<0.001	0.08	1.01	0.7	<0.2	0.6	8.1	<0.01	0.01	8.0	<0.005
JN19028-008		7.0	180	3.0	5.1	<0.001	0.07	0.77	0.6	<0.2	0.6	8.2	<0.01	<0.01	7.7	<0.005
JN19028-009		6.3	170	3.1	5.8	<0.001	0.11	0.72	0.6	<0.2	0.6	7.6	<0.01	0.01	7.3	<0.005
JN19028-010		4.9	60	1.8	2.9	<0.001	0.16	0.87	0.3	<0.2	0.2	3.8	<0.01	0.03	3.8	<0.005
JN19028-010D		4.8	60	1.9	2.9	<0.001	0.14	0.83	0.3	<0.2	0.2	4.2	<0.01	0.03	3.7	<0.005
JN19028-011		8.2	70	7.4	3.0	<0.001	0.25	0.89	0.5	<0.2	<0.2	4.7	<0.01	0.02	4.3	<0.005
JN19028-012		10.9	80	7.2	4.8	<0.001	0.28	1.24	0.8	<0.2	0.3	7.2	<0.01	0.01	5.5	<0.005
JN19028-013		15.1	110	9.2	4.6	<0.001	0.41	1.55	0.9	0.2	0.2	7.4	<0.01	0.01	5.7	<0.005
JN19028-014		21.2	170	9.1	4.4	<0.001	0.31	1.69	1.1	0.2	<0.2	8.6	<0.01	0.02	7.3	<0.005
JN19028-015		21.3	190	14.4	4.4	<0.001	0.29	1.22	1.3	<0.2	0.2	10.5	<0.01	0.02	7.5	<0.005
JN19028-016		27.4	370	13.7	5.1	<0.001	0.34	0.72	1.5	<0.2	0.2	24.9	<0.01	0.01	7.7	<0.005
JN19028-017		21.9	240	7.6	6.8	<0.001	0.32	0.76	1.6	<0.2	0.4	30.3	<0.01	0.01	8.5	<0.005
JN19028-018		10.6	90	2.6	5.8	<0.001	0.18	0.50	1.1	<0.2	0.4	26.2	<0.01	0.01	7.2	<0.005
JN19028-019		16.3	220	3.1	6.9	<0.001	0.32	0.63	1.4	<0.2	0.6	48.6	<0.01	<0.01	7.3	<0.005
JN19028-019B		1.7	70	0.3	0.3	<0.001	0.02	<0.05	0.2	0.6	<0.2	86.1	<0.01	<0.01	<0.2	<0.005
JN19028-020		13.0	170	2.5	6.0	<0.001	0.28	0.46	1.7	<0.2	0.4	46.1	<0.01	<0.01	6.7	<0.005

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

Finalized Date: 9-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153174

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.05	1	0.05	0.05	2	0.5	0.005
JN19028-001		0.04	0.79	10	1.48	2.81	51	1.9	0.016
JN19028-002		0.05	0.93	14	0.79	4.10	71	3.2	0.010
JN19028-003		0.04	0.65	5	3.49	2.33	26	2.4	0.027
JN19028-004		0.03	0.49	2	3.17	1.49	10	2.2	0.014
JN19028-005		0.05	0.51	2	1.70	1.31	10	2.2	0.007
JN19028-006		0.03	0.42	1	1.69	1.06	7	1.7	<0.005
JN19028-007		0.04	0.73	2	1.28	1.91	10	2.6	0.011
JN19028-008		0.04	0.63	2	1.36	1.83	10	2.5	0.007
JN19028-009		0.04	0.52	2	1.12	1.76	10	2.4	0.023
JN19028-010		0.03	0.28	1	0.36	0.81	9	1.7	0.074
JN19028-010D		0.02	0.25	1	0.34	0.81	7	1.7	0.073
JN19028-011		0.02	0.36	1	0.55	1.10	13	2.3	0.103
JN19028-012		0.04	0.43	3	0.60	1.67	14	2.7	0.087
JN19028-013		0.03	0.50	4	0.58	1.78	22	3.3	0.367
JN19028-014		0.03	0.68	5	0.45	2.31	34	4.0	0.151
JN19028-015		0.04	0.73	6	0.99	2.39	33	4.3	0.172
JN19028-016		0.04	0.71	9	0.83	3.24	40	4.6	0.202
JN19028-017		0.05	0.67	8	0.83	3.54	28	3.9	0.174
JN19028-018		0.04	0.50	4	0.77	2.21	15	2.3	0.054
JN19028-019		0.05	0.58	5	1.08	3.36	18	2.8	0.052
JN19028-019B		<0.02	0.11	<1	0.05	2.23	<2	<0.5	<0.005
JN19028-020		0.05	0.50	8	0.96	3.21	20	2.5	0.031

***** 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: 9-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153174

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	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-AA24	ME-MS41

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

Finalized Date: 10-JUL-2019
This copy reported on 5-FEB-2020
Account: TELOEX

WH19153178

Project: Justin 2019 RAB Drill Program

P.O. No.: JN2019-1

This report is for 23 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 24-JUN-2019.

The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32m	Pulverize 500g - 85%<75um
BAG-01	Bulk Master for Storage
LOG-24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS41	Ultra Trace Aqua Regia ICP-MS	

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:

Saa Traxler, General Manager, North Vancouver

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

Finalized Date: 10-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153178

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
JN19029-001		2.61	0.05	1.46	56.7	<0.02	<10	30	0.31	0.31	0.37	0.10	44.6	12.4	26	0.52
JN19029-002		3.20	0.03	0.35	351	<0.02	<10	10	0.14	0.12	0.08	0.04	26.5	5.2	12	0.55
JN19029-003		3.62	0.02	0.17	306	<0.02	<10	20	0.12	0.17	0.09	0.02	33.8	4.4	8	0.65
JN19029-004		2.21	0.03	0.13	21.4	<0.02	<10	10	0.10	0.29	0.09	0.02	21.2	2.1	8	0.50
JN19029-005		2.07	0.08	0.15	52.7	0.02	<10	10	0.14	0.58	0.29	0.02	20.9	3.4	6	0.66
JN19029-006		1.20	0.02	0.33	37.2	<0.02	<10	30	0.34	0.19	0.49	0.01	54.2	7.6	8	1.59
JN19029-007		2.34	0.03	0.21	26.1	<0.02	<10	20	0.18	0.24	0.19	0.01	29.9	4.3	8	0.97
JN19029-008		2.85	0.06	0.39	32.2	0.04	<10	30	0.30	0.51	0.39	0.02	43.7	10.8	10	1.24
JN19029-009		2.13	0.06	0.19	373	0.60	<10	10	0.12	0.83	0.22	0.02	24.0	4.0	9	0.66
JN19029-010		1.98	0.07	0.58	48.8	0.04	<10	30	0.37	0.74	0.26	0.02	30.6	17.8	17	1.32
JN19029-010D		1.25	0.08	0.56	42.7	0.08	<10	30	0.36	0.75	0.28	0.02	29.0	18.7	18	1.33
JN19029-011		2.53	0.10	0.87	44.9	<0.02	<10	40	0.51	1.13	0.77	0.04	38.2	17.6	19	1.83
JN19029-012		2.47	0.14	0.85	24.4	0.04	<10	30	0.36	0.34	1.35	0.12	19.10	12.8	16	1.10
JN19029-013		2.52	0.08	1.39	21.1	<0.02	<10	30	0.33	0.16	0.68	0.03	29.5	10.4	21	1.24
JN19029-014		2.57	0.08	1.13	52.5	0.04	<10	30	0.39	0.47	0.84	0.05	31.8	15.8	20	1.22
JN19029-015		1.79	0.10	1.25	22.3	<0.02	<10	50	0.44	0.27	0.77	0.08	42.8	12.6	21	1.78
JN19029-016		2.53	0.08	1.21	36.7	<0.02	<10	60	0.48	0.30	0.77	0.05	42.8	13.9	20	2.16
JN19029-017		2.44	0.07	1.87	27.3	<0.02	<10	40	0.49	0.42	0.25	0.03	49.3	13.4	25	2.97
JN19029-018		2.09	0.15	2.01	50.9	<0.02	<10	40	0.44	0.48	0.26	0.07	33.7	20.8	26	1.67
JN19029-019		1.96	0.12	2.23	39.7	<0.02	<10	40	0.51	0.45	0.35	0.08	34.8	14.6	28	1.32
JN19029-020		1.62	0.13	2.00	31.5	<0.02	<10	40	0.38	0.42	0.23	0.08	23.6	18.8	27	1.23
JN19029-021		2.09	0.12	2.18	26.8	<0.02	<10	40	0.47	0.42	0.34	0.05	30.2	14.7	29	1.33
JN19029-021S		0.17	0.40	1.34	1100	0.82	20	70	0.15	20.7	3.65	0.59	14.00	40.4	21	0.67

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Finalized Date: 10-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153178

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
JN19029-001		22.3	3.68	4.55	0.08	0.05	<0.01	0.022	0.08	23.3	45.3	0.59	491	1.01	0.02	0.05
JN19029-002		8.0	1.38	1.14	0.05	0.05	0.01	0.011	0.06	13.6	8.7	0.10	158	1.20	0.02	<0.05
JN19029-003		4.3	1.03	0.69	0.05	0.08	<0.01	0.012	0.08	17.2	1.7	0.02	124	0.96	0.02	<0.05
JN19029-004		9.6	1.22	0.56	<0.05	0.04	<0.01	0.009	0.04	9.9	1.3	0.03	127	0.65	0.02	<0.05
JN19029-005		13.6	2.08	0.53	<0.05	0.06	<0.01	0.011	0.05	10.6	1.5	0.08	189	0.60	0.02	<0.05
JN19029-006		2.7	1.70	1.24	0.07	0.12	<0.01	0.027	0.14	27.9	1.7	0.14	148	0.61	0.02	<0.05
JN19029-007		10.7	1.61	0.88	0.05	0.07	<0.01	0.014	0.07	15.4	3.2	0.15	158	0.56	0.02	<0.05
JN19029-008		31.8	2.67	1.56	0.06	0.09	<0.01	0.014	0.10	24.0	10.0	0.42	225	1.11	0.01	<0.05
JN19029-009		12.1	1.57	0.79	<0.05	0.07	0.01	0.010	0.05	11.8	3.6	0.21	136	0.77	0.02	<0.05
JN19029-010		36.3	3.49	2.04	0.05	0.08	<0.01	0.012	0.14	16.3	13.5	0.48	248	0.65	0.01	<0.05
JN19029-010D		36.7	3.51	2.02	0.05	0.09	<0.01	0.014	0.14	16.3	13.4	0.48	259	0.69	0.01	<0.05
JN19029-011		31.8	3.74	2.80	0.06	0.09	<0.01	0.016	0.15	19.0	21.2	0.56	294	0.65	0.02	<0.05
JN19029-012		27.4	3.36	2.64	<0.05	0.09	<0.01	0.015	0.11	9.9	25.7	0.76	719	0.77	0.02	<0.05
JN19029-013		33.2	3.58	4.18	0.05	0.09	<0.01	0.020	0.12	16.6	44.7	0.87	401	0.42	0.01	<0.05
JN19029-014		21.8	3.55	3.32	0.05	0.09	<0.01	0.019	0.13	16.2	34.8	0.82	426	0.58	0.01	<0.05
JN19029-015		46.2	3.53	3.92	0.07	0.10	<0.01	0.024	0.14	24.2	39.5	0.90	487	0.52	0.02	<0.05
JN19029-016		42.3	3.81	3.81	0.07	0.11	<0.01	0.022	0.15	24.8	39.3	0.90	494	0.47	0.02	<0.05
JN19029-017		35.0	4.18	4.88	0.08	0.11	<0.01	0.014	0.16	28.4	63.0	0.94	261	0.41	0.02	<0.05
JN19029-018		46.6	4.64	5.16	0.06	0.12	<0.01	0.014	0.14	19.0	70.8	1.07	297	0.59	0.02	<0.05
JN19029-019		47.6	4.83	5.52	0.06	0.13	<0.01	0.017	0.15	18.6	79.8	1.13	243	0.44	0.02	<0.05
JN19029-020		44.9	4.72	5.00	0.05	0.13	0.01	0.014	0.15	13.2	71.8	0.96	215	0.74	0.03	<0.05
JN19029-021		46.1	4.74	5.54	0.06	0.14	<0.01	0.017	0.15	16.5	77.0	1.08	265	0.60	0.02	<0.05
JN19029-021S		126.5	2.97	3.88	0.09	0.15	0.01	0.089	0.13	8.8	7.7	0.43	625	6.06	0.13	0.23

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

ALS Canada Ltd.

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

Finalized Date: 10-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153178

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
JN19029-001		30.8	400	19.4	4.8	<0.001	0.06	0.81	2.0	<0.2	0.3	20.9	<0.01	0.02	9.2	<0.005
JN19029-002		12.5	230	5.3	5.4	<0.001	0.04	0.71	0.8	<0.2	0.3	8.5	<0.01	0.01	7.1	<0.005
JN19029-003		10.8	300	2.3	5.8	<0.001	0.04	1.29	0.7	<0.2	0.5	9.5	<0.01	0.01	9.5	<0.005
JN19029-004		9.4	140	2.5	3.9	<0.001	0.07	0.95	0.7	<0.2	0.3	6.7	<0.01	<0.01	5.8	<0.005
JN19029-005		12.7	210	6.7	4.1	<0.001	0.19	3.10	0.8	<0.2	0.3	16.6	<0.01	0.01	7.0	<0.005
JN19029-006		22.0	1420	2.5	11.1	<0.001	0.12	1.76	1.2	<0.2	1.8	31.5	<0.01	0.01	16.2	<0.005
JN19029-007		14.8	150	2.4	5.4	<0.001	0.23	0.71	1.0	<0.2	0.7	15.4	<0.01	0.01	8.5	<0.005
JN19029-008		29.9	170	4.4	6.3	<0.001	0.28	0.62	1.5	<0.2	0.4	24.0	<0.01	0.02	11.2	<0.005
JN19029-009		12.1	100	3.9	3.7	<0.001	0.22	0.73	1.0	<0.2	0.5	17.3	<0.01	0.01	7.8	<0.005
JN19029-010		44.3	320	9.2	7.6	0.001	0.49	1.72	1.6	0.2	0.3	21.9	<0.01	0.03	10.2	<0.005
JN19029-010D		42.7	330	9.6	7.6	<0.001	0.52	1.78	1.6	<0.2	0.2	23.8	<0.01	0.03	10.0	<0.005
JN19029-011		44.2	2550	19.7	8.5	<0.001	0.52	2.62	1.5	0.2	0.3	96.2	<0.01	0.04	10.3	<0.005
JN19029-012		29.0	760	44.7	5.4	<0.001	0.38	1.44	1.9	0.2	<0.2	75.1	<0.01	0.03	6.6	<0.005
JN19029-013		30.7	200	6.5	6.5	<0.001	0.34	0.82	2.3	<0.2	0.2	40.2	<0.01	0.01	9.4	<0.005
JN19029-014		39.9	420	9.8	6.0	<0.001	0.35	2.38	1.7	<0.2	0.3	54.0	<0.01	0.05	10.4	<0.005
JN19029-015		37.9	390	12.8	7.0	<0.001	0.11	1.08	2.2	<0.2	<0.2	69.8	<0.01	0.03	10.2	<0.005
JN19029-016		42.4	180	15.8	7.5	<0.001	0.16	1.58	2.5	<0.2	<0.2	74.6	<0.01	0.03	10.0	<0.005
JN19029-017		48.8	300	9.9	7.6	<0.001	0.30	2.39	1.7	0.2	<0.2	31.7	<0.01	0.04	12.1	<0.005
JN19029-018		51.4	260	20.8	6.6	<0.001	0.67	2.76	1.7	0.2	<0.2	35.0	<0.01	0.04	10.0	<0.005
JN19029-019		47.0	1030	20.3	6.9	<0.001	0.54	3.27	1.8	0.2	<0.2	54.9	<0.01	0.03	10.6	<0.005
JN19029-020		50.0	730	38.9	6.7	0.001	1.37	3.22	1.6	0.2	<0.2	37.4	<0.01	0.05	9.3	<0.005
JN19029-021		46.7	850	19.9	6.7	0.001	0.74	2.68	1.8	0.2	<0.2	53.1	<0.01	0.03	9.7	<0.005
JN19029-021S		19.3	850	14.1	4.7	0.047	0.26	3.37	2.2	2.6	1.6	89.0	<0.01	2.55	1.7	0.081

***** 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: 10-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153178

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-AA24 Au ppm 0.005
JN19029-001		0.05	1.04	14	1.62	3.98	70	2.3	<0.005
JN19029-002		0.05	0.58	3	5.40	2.09	21	2.4	0.014
JN19029-003		0.04	0.86	2	3.47	2.30	10	3.8	0.009
JN19029-004		0.03	0.48	3	2.12	1.68	12	1.7	0.007
JN19029-005		0.04	0.69	2	1.61	2.35	13	3.4	0.027
JN19029-006		0.08	1.40	5	0.60	5.61	14	6.5	0.007
JN19029-007		0.05	0.64	4	1.90	2.16	15	3.0	0.008
JN19029-008		0.06	1.04	7	1.39	3.40	25	5.0	0.039
JN19029-009		0.04	0.51	4	3.90	1.93	13	2.3	0.863
JN19029-010		0.06	1.00	10	0.57	2.46	56	4.3	0.106
JN19029-010D		0.06	0.99	10	0.60	2.44	55	4.4	0.154
JN19029-011		0.07	1.18	12	0.31	7.44	62	6.5	0.040
JN19029-012		0.04	0.65	9	1.04	4.26	66	5.2	0.063
JN19029-013		0.05	0.69	14	0.76	4.35	49	4.5	0.009
JN19029-014		0.05	0.80	12	0.36	4.13	58	4.7	0.056
JN19029-015		0.05	0.96	13	0.32	4.65	86	6.3	0.005
JN19029-016		0.05	1.10	13	0.16	4.24	86	6.4	0.008
JN19029-017		0.06	1.22	13	0.06	3.32	92	4.7	0.008
JN19029-018		0.07	1.22	15	0.09	2.95	99	6.3	0.023
JN19029-019		0.05	1.68	15	0.07	4.22	112	7.6	0.013
JN19029-020		0.06	1.43	14	0.07	3.15	98	6.2	0.011
JN19029-021		0.05	1.48	15	0.16	3.75	100	7.7	0.012
JN19029-021S		0.05	1.66	50	7.33	6.16	94	4.9	1.010

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

Finalized Date: 10-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153178

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	LOG-22
	LOG-24	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-AA24	ME-MS41

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

Finalized Date: 10-JUL-2019
This copy reported on 5-FEB-2020
Account: TELOEX

WH19153187

Project: Justin 2019 RAB Drill Program

P.O. No.: JN2019-1

This report is for 22 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 24-JUN-2019.

The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS41	Ultra Trace Aqua Regia ICP-MS	

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:

Saa Traxler, General Manager, North Vancouver

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

Finalized Date: 10-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153187

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
JN19030-001		3.67	0.02	0.44	10.5	<0.02	<10	10	0.10	0.11	0.46	0.02	28.3	3.4	16	0.49
JN19030-002		2.36	0.01	0.46	4.6	<0.02	<10	10	0.08	0.08	0.54	0.01	28.6	2.9	17	0.47
JN19030-003		2.81	0.01	0.54	303	<0.02	<10	10	0.09	0.07	0.67	0.01	31.4	2.3	16	0.68
JN19030-004		2.40	0.10	0.79	1040	0.16	<10	20	0.26	0.64	0.52	0.01	33.7	10.9	17	0.91
JN19030-005		2.20	0.17	1.87	86.6	0.02	<10	40	0.47	0.34	0.26	0.14	37.7	17.4	28	1.21
JN19030-006		1.51	0.10	1.69	56.9	<0.02	<10	40	0.43	0.25	0.98	0.17	26.4	15.6	24	1.14
JN19030-007		2.60	0.06	1.64	13.9	<0.02	<10	70	0.49	0.22	0.82	0.05	62.5	12.5	26	1.36
JN19030-008		2.92	0.06	1.78	18.6	<0.02	<10	60	0.43	0.32	0.71	0.06	47.6	14.8	26	1.23
JN19030-009		2.09	0.03	2.27	10.4	<0.02	<10	60	0.36	0.29	0.78	0.07	41.9	14.3	29	1.19
JN19030-010		2.50	0.04	2.70	9.9	<0.02	<10	60	0.43	0.34	0.78	0.06	42.7	15.1	33	1.22
JN19030-010D		1.98	0.03	2.67	9.4	<0.02	<10	50	0.42	0.33	0.78	0.07	42.1	14.7	33	1.23
JN19030-011		3.32	0.08	2.33	30.5	<0.02	<10	60	0.50	0.62	0.29	0.02	46.1	26.9	31	1.33
JN19030-012		2.50	0.08	2.31	15.8	<0.02	<10	50	0.47	0.47	0.09	0.05	40.8	16.0	28	1.31
JN19030-013		2.97	0.09	2.71	16.6	<0.02	<10	50	0.54	0.46	0.38	0.07	35.7	18.5	32	1.36
JN19030-014		1.91	0.16	2.31	21.2	<0.02	<10	50	0.50	0.43	0.34	0.08	28.0	21.2	29	1.68
JN19030-015		1.58	0.08	2.71	9.2	<0.02	<10	50	0.52	0.40	0.13	0.05	40.0	12.2	33	1.45
JN19030-016		2.21	0.10	2.81	10.3	<0.02	<10	60	0.51	0.47	0.21	0.05	35.6	17.8	34	1.41
JN19030-017		1.19	0.09	2.82	10.1	<0.02	<10	60	0.52	0.45	0.12	0.04	41.5	18.1	35	1.42
JN19030-018		2.14	0.07	2.88	7.8	<0.02	<10	60	0.52	0.44	0.24	0.03	37.1	15.2	35	1.39
JN19030-019		4.14	0.10	2.83	14.3	<0.02	<10	50	0.60	0.51	0.14	0.03	40.8	17.6	35	1.68
JN19030-020		2.82	0.10	2.74	29.1	<0.02	<10	60	0.54	0.36	0.36	0.03	47.6	12.9	34	2.55
JN19030-020B		7.68	<0.01	0.03	0.2	<0.02	<10	10	<0.05	0.01	>25.0	0.01	1.10	0.4	1	<0.05

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

Finalized Date: 10-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153187

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
JN19030-001		6.2	1.73	1.70	<0.05	0.06	<0.01	0.006	0.05	14.0	12.3	0.21	205	0.87	0.02	<0.05
JN19030-002		6.0	1.84	1.97	<0.05	0.07	<0.01	0.005	0.04	13.7	14.8	0.23	272	0.66	0.02	<0.05
JN19030-003		5.9	1.61	2.29	<0.05	0.08	<0.01	0.011	0.05	15.9	16.1	0.28	244	0.48	0.03	<0.05
JN19030-004		12.5	2.62	2.71	0.05	0.11	<0.01	0.017	0.08	17.0	24.9	0.37	421	0.96	0.02	<0.05
JN19030-005		41.3	4.23	5.24	0.06	0.11	<0.01	0.019	0.16	20.3	62.8	0.77	382	0.59	0.02	<0.05
JN19030-006		28.3	3.80	4.68	0.05	0.11	<0.01	0.017	0.15	14.2	57.0	0.89	678	0.82	0.02	<0.05
JN19030-007		36.3	3.80	4.97	0.08	0.13	<0.01	0.023	0.18	34.2	49.9	1.08	454	0.29	0.02	<0.05
JN19030-008		37.6	3.89	4.73	0.07	0.12	<0.01	0.023	0.19	26.9	53.7	1.09	669	0.41	0.02	<0.05
JN19030-009		35.8	3.98	5.78	0.06	0.11	<0.01	0.017	0.21	24.3	74.4	1.08	647	0.35	0.02	<0.05
JN19030-010		39.1	4.55	6.90	0.07	0.12	<0.01	0.023	0.21	25.0	91.6	1.18	550	0.37	0.02	<0.05
JN19030-010D		37.9	4.51	7.11	0.07	0.13	<0.01	0.026	0.20	24.3	90.4	1.17	529	0.35	0.02	<0.05
JN19030-011		44.5	4.00	5.81	0.07	0.14	<0.01	0.013	0.21	26.8	77.4	0.99	385	0.61	0.02	<0.05
JN19030-012		46.9	4.07	5.52	0.06	0.13	<0.01	0.014	0.18	22.7	76.1	1.00	217	0.47	0.03	<0.05
JN19030-013		48.2	4.82	6.56	0.07	0.15	<0.01	0.017	0.21	19.8	86.8	1.16	321	0.53	0.03	<0.05
JN19030-014		47.5	4.94	5.75	0.06	0.19	<0.01	0.017	0.21	15.2	79.4	1.00	260	1.08	0.03	<0.05
JN19030-015		50.6	5.03	6.63	0.06	0.17	<0.01	0.017	0.21	21.7	94.3	1.15	243	0.43	0.04	<0.05
JN19030-016		51.7	5.26	6.89	0.06	0.17	<0.01	0.016	0.22	19.4	92.2	1.17	261	0.51	0.04	<0.05
JN19030-017		51.4	5.09	7.34	0.06	0.17	<0.01	0.016	0.22	22.9	98.7	1.15	249	0.48	0.04	<0.05
JN19030-018		50.3	5.17	7.07	0.06	0.17	<0.01	0.015	0.22	20.7	94.0	1.17	259	0.44	0.04	<0.05
JN19030-019		64.2	5.41	7.24	0.06	0.18	<0.01	0.019	0.20	21.5	93.5	1.18	276	0.37	0.03	<0.05
JN19030-020		60.0	5.27	8.16	0.06	0.18	<0.01	0.027	0.23	25.7	85.3	1.15	327	0.42	0.03	<0.05
JN19030-020B		1.6	0.09	0.10	<0.05	<0.02	<0.01	<0.005	0.01	1.2	0.7	0.80	88	<0.05	<0.01	<0.05

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Finalized Date: 10-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153187

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
JN19030-001		10.5	100	3.2	3.2	<0.001	0.06	0.26	0.8	<0.2	0.3	20.9	<0.01	<0.01	7.4	<0.005
JN19030-002		8.7	80	1.5	2.7	<0.001	0.04	0.14	1.0	<0.2	<0.2	21.8	<0.01	<0.01	6.8	<0.005
JN19030-003		7.8	80	1.7	4.4	<0.001	0.07	0.28	1.1	<0.2	0.5	26.0	<0.01	0.01	7.9	<0.005
JN19030-004		20.8	230	40.4	4.5	<0.001	0.10	1.31	1.6	0.2	0.3	26.7	<0.01	0.06	8.3	<0.005
JN19030-005		41.6	1060	54.8	8.2	<0.001	0.24	3.15	1.9	<0.2	<0.2	26.8	<0.01	0.04	10.1	<0.005
JN19030-006		32.9	710	33.9	7.5	<0.001	0.48	1.92	2.1	0.2	<0.2	57.0	<0.01	0.03	8.3	<0.005
JN19030-007		40.0	440	12.3	8.8	0.001	0.08	0.66	2.4	<0.2	0.2	103.0	<0.01	0.02	12.4	<0.005
JN19030-008		40.0	180	10.2	9.0	<0.001	0.15	0.57	2.4	<0.2	0.2	71.9	<0.01	0.04	10.5	<0.005
JN19030-009		40.3	380	10.4	9.6	<0.001	0.13	0.67	2.4	<0.2	<0.2	47.1	<0.01	0.04	9.1	<0.005
JN19030-010		44.4	1250	7.1	10.0	<0.001	0.12	0.47	2.4	<0.2	<0.2	63.1	<0.01	0.07	9.4	<0.005
JN19030-010D		43.0	1420	6.4	9.6	<0.001	0.11	0.47	2.5	0.2	<0.2	64.8	<0.01	0.06	10.0	<0.005
JN19030-011		47.7	220	44.3	9.7	0.001	0.42	0.86	2.0	1.0	<0.2	27.9	<0.01	0.12	10.4	<0.005
JN19030-012		48.2	280	19.7	8.2	0.001	0.38	0.88	1.6	0.2	<0.2	18.2	<0.01	0.04	9.4	<0.005
JN19030-013		50.0	1450	22.9	9.9	<0.001	0.70	0.68	1.9	0.3	<0.2	44.8	<0.01	0.03	10.5	<0.005
JN19030-014		53.7	1430	33.7	9.6	<0.001	1.40	1.25	1.7	0.2	0.2	53.1	<0.01	0.05	8.8	<0.005
JN19030-015		46.2	420	17.7	9.3	<0.001	0.85	0.24	2.0	0.3	<0.2	26.0	<0.01	0.03	10.6	<0.005
JN19030-016		50.4	860	29.6	9.9	<0.001	1.08	0.25	2.1	<0.2	0.2	35.7	<0.01	0.04	10.0	<0.005
JN19030-017		52.3	470	24.3	10.0	<0.001	0.78	0.23	2.0	0.2	0.2	26.5	<0.01	0.04	10.0	<0.005
JN19030-018		49.4	960	17.1	9.5	<0.001	0.68	0.20	2.0	0.2	0.2	36.3	<0.01	0.03	10.4	<0.005
JN19030-019		53.2	370	23.2	9.2	<0.001	0.78	0.43	2.2	<0.2	0.2	27.1	<0.01	0.04	10.4	<0.005
JN19030-020		46.4	1320	11.6	11.5	<0.001	0.57	1.15	2.5	0.2	0.3	89.3	<0.01	0.03	11.2	<0.005
JN19030-020B		0.3	70	0.4	0.5	<0.001	<0.01	<0.05	0.2	0.7	<0.2	82.0	<0.01	<0.01	<0.2	<0.005

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

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

Finalized Date: 10-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153187

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.05	1	0.05	0.05	2	0.5	0.005
JN19030-001		0.03	0.50	6	7.35	2.20	17	2.1	<0.005
JN19030-002		0.02	0.43	7	4.04	1.89	13	2.3	<0.005
JN19030-003		0.03	0.54	8	2.84	2.49	13	2.7	<0.005
JN19030-004		0.05	0.75	8	2.93	3.83	28	4.7	0.154
JN19030-005		0.08	1.01	15	0.26	4.72	89	6.0	0.042
JN19030-006		0.08	0.74	14	0.48	3.92	86	4.9	0.016
JN19030-007		0.06	1.08	18	0.10	6.82	79	10.1	<0.005
JN19030-008		0.06	1.03	17	0.12	5.94	79	7.3	0.005
JN19030-009		0.06	0.83	18	0.07	3.87	90	4.6	<0.005
JN19030-010		0.06	0.84	21	0.06	5.34	99	5.9	<0.005
JN19030-010D		0.06	0.86	20	0.06	5.49	101	5.7	<0.005
JN19030-011		0.09	1.20	18	<0.05	4.54	74	5.1	<0.005
JN19030-012		0.05	1.47	14	<0.05	2.66	94	4.5	<0.005
JN19030-013		0.06	1.46	17	<0.05	4.86	107	6.9	<0.005
JN19030-014		0.07	1.19	16	0.05	4.31	96	8.5	0.005
JN19030-015		0.05	1.58	18	<0.05	2.70	114	6.4	<0.005
JN19030-016		0.06	1.60	18	<0.05	3.54	110	6.5	<0.005
JN19030-017		0.07	1.58	18	<0.05	2.95	106	6.2	<0.005
JN19030-018		0.06	1.69	18	<0.05	3.59	109	6.3	<0.005
JN19030-019		0.08	1.55	18	<0.05	3.10	113	6.9	<0.005
JN19030-020		0.08	1.41	19	<0.05	5.11	111	7.2	0.007
JN19030-020B		<0.02	0.16	1	<0.05	2.26	<2	<0.5	<0.005

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To: TERRALOGIC EXPLORATION SERVICES INC.
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SUITE 200
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Finalized Date: 10-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153187

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	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-AA24	ME-MS41

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

Finalized Date: 8-JUL-2019
This copy reported on 5-FEB-2020
Account: TELOEX

WH19153196

Project: Justin 2019 RAB Drill Program

P.O. No.: JN2019-1

This report is for 22 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 24-JUN-2019.

The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32m	Pulverize 500g - 85%<75um
BAG-01	Bulk Master for Storage
LOG-24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS41	Ultra Trace Aqua Regia ICP-MS	

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:
Saa Traxler, General Manager, North Vancouver

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44 - 12TH AVE SOUTH
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CRANBROOK BC V1C 2R7

Finalized Date: 8-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153196

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
JN19032-001		3.47	0.03	0.59	26.3	<0.02	<10	20	0.28	0.23	0.18	0.02	39.7	10.6	13	1.12
JN19032-002		2.32	0.02	0.52	9.7	<0.02	<10	10	0.18	0.22	0.48	0.01	33.7	4.4	13	0.88
JN19032-003		2.13	0.01	0.54	14.4	<0.02	<10	10	0.11	0.12	0.28	0.01	26.9	2.2	16	0.50
JN19032-004		2.65	0.13	1.21	165.5	0.08	<10	30	0.41	0.38	0.13	0.06	53.3	16.8	21	1.07
JN19032-005		2.59	0.09	1.78	47.2	<0.02	<10	30	0.38	0.34	0.69	0.06	32.6	18.6	26	1.16
JN19032-006		2.94	0.04	1.77	16.7	<0.02	<10	50	0.42	0.39	0.54	0.02	35.5	14.4	28	1.13
JN19032-007		2.47	0.06	1.52	23.8	<0.02	<10	50	0.44	0.31	0.88	0.08	26.5	18.9	24	1.25
JN19032-008		2.69	0.62	1.25	71.6	<0.02	<10	40	0.47	0.38	0.24	0.60	18.95	29.0	23	1.27
JN19032-009		0.92	0.34	1.54	53.6	<0.02	<10	40	0.45	0.40	0.45	0.16	21.0	24.2	24	1.58
JN19032-010		2.13	0.04	2.22	6.5	<0.02	<10	50	0.47	0.51	0.68	0.05	36.0	10.5	29	1.38
JN19032-010D		1.67	0.04	2.20	6.1	<0.02	<10	40	0.41	0.56	0.67	0.05	35.2	10.2	29	1.35
JN19032-011		2.19	0.03	2.94	9.8	<0.02	<10	40	0.46	0.41	0.40	0.02	37.9	11.2	40	1.21
JN19032-012		2.32	0.02	2.62	6.3	<0.02	<10	40	0.41	0.25	0.54	0.03	41.9	12.6	36	1.18
JN19032-013		2.13	0.04	2.19	10.4	<0.02	<10	60	0.37	0.42	0.41	0.02	33.9	13.2	31	1.21
JN19032-014		1.97	0.06	2.43	8.8	<0.02	<10	50	0.42	0.29	1.06	0.06	33.3	9.7	33	1.30
JN19032-015		1.96	0.06	1.83	5.9	<0.02	<10	50	0.41	0.22	0.54	0.05	45.4	7.1	26	1.13
JN19032-016		2.09	0.12	1.65	11.8	<0.02	<10	40	0.38	0.56	0.64	0.05	30.9	18.6	24	1.19
JN19032-017		1.57	0.09	1.60	6.5	<0.02	<10	60	0.50	0.25	1.10	0.06	34.0	9.1	24	1.24
JN19032-018		1.82	0.07	1.83	10.8	<0.02	<10	50	0.48	0.24	0.87	0.04	39.5	9.9	30	1.36
JN19032-019		2.16	0.13	1.83	31.1	<0.02	<10	60	0.53	0.49	1.00	0.07	32.5	18.5	28	1.47
JN19032-020		4.23	0.19	2.03	45.8	<0.02	<10	50	0.53	0.42	0.85	0.24	23.5	28.7	29	1.29
JN19032-020S		0.12	14.00	1.14	471	0.45	10	150	0.16	13.90	2.95	0.44	14.00	20.1	33	0.64

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

Finalized Date: 8-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153196

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
JN19032-001		14.0	1.89	2.23	<0.05	0.08	<0.01	0.008	0.10	22.0	18.8	0.21	155	0.95	0.01	<0.05
JN19032-002		11.0	2.01	2.25	<0.05	0.07	<0.01	0.010	0.06	16.6	17.2	0.27	222	0.55	0.01	<0.05
JN19032-003		10.2	1.95	2.80	<0.05	0.05	<0.01	0.011	0.03	13.6	19.3	0.28	218	0.59	0.01	<0.05
JN19032-004		33.4	3.76	4.19	0.06	0.11	<0.01	0.019	0.10	28.6	41.1	0.53	382	0.72	<0.01	<0.05
JN19032-005		37.4	4.00	5.30	<0.05	0.10	<0.01	0.016	0.12	17.9	58.1	0.93	566	0.66	0.01	<0.05
JN19032-006		39.0	4.17	5.39	<0.05	0.11	<0.01	0.016	0.15	21.0	58.1	1.02	407	0.39	0.01	<0.05
JN19032-007		34.8	3.89	4.91	<0.05	0.12	<0.01	0.019	0.15	15.6	50.1	1.01	574	0.59	0.01	<0.05
JN19032-008		48.9	5.86	3.54	<0.05	0.16	0.01	0.036	0.14	12.2	37.7	0.72	498	2.35	0.01	<0.05
JN19032-009		45.3	5.06	4.44	<0.05	0.14	<0.01	0.023	0.13	13.2	50.7	0.86	620	1.37	0.01	<0.05
JN19032-010		40.8	3.93	6.34	0.05	0.12	<0.01	0.020	0.18	21.6	76.3	1.04	414	0.24	0.01	<0.05
JN19032-010D		40.8	3.96	6.28	0.05	0.11	<0.01	0.021	0.17	21.4	78.2	1.06	417	0.21	0.01	<0.05
JN19032-011		38.9	5.40	8.75	0.05	0.14	<0.01	0.019	0.16	23.1	108.0	1.41	504	0.24	0.01	<0.05
JN19032-012		42.2	5.07	8.07	0.05	0.12	<0.01	0.019	0.13	25.3	95.5	1.32	506	0.26	0.01	<0.05
JN19032-013		35.7	4.36	6.03	<0.05	0.12	<0.01	0.018	0.15	20.2	77.9	1.11	498	0.41	0.01	<0.05
JN19032-014		36.8	4.88	6.80	<0.05	0.13	<0.01	0.022	0.14	19.7	81.8	1.42	958	0.38	0.01	<0.05
JN19032-015		44.4	3.56	5.25	0.05	0.12	<0.01	0.020	0.16	26.8	62.1	0.98	479	0.25	0.01	<0.05
JN19032-016		34.1	3.43	4.72	<0.05	0.12	<0.01	0.015	0.14	18.8	55.6	0.94	502	0.61	0.01	<0.05
JN19032-017		35.8	3.81	4.67	<0.05	0.13	<0.01	0.023	0.15	20.0	53.2	1.19	747	0.38	0.01	<0.05
JN19032-018		38.5	4.17	5.48	0.05	0.12	<0.01	0.022	0.14	23.6	62.5	1.13	647	0.26	0.01	<0.05
JN19032-019		47.4	4.30	5.48	0.05	0.15	<0.01	0.028	0.16	19.4	61.9	1.16	688	0.77	0.01	<0.05
JN19032-020		46.6	4.80	5.94	<0.05	0.13	<0.01	0.030	0.14	14.3	73.3	1.19	679	1.52	0.01	<0.05
JN19032-020S		8100	3.29	3.85	<0.05	0.14	0.29	0.092	0.18	8.1	5.7	0.36	618	561	0.11	0.31

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To: TERRALOGIC EXPLORATION SERVICES INC.
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SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 8-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153196

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
JN19032-001	21.2	310	4.3	6.3	<0.001	0.04	0.66	1.0	<0.2	<0.2	10.6	<0.01	0.01	11.0	<0.005
JN19032-002	13.8	210	2.5	4.9	<0.001	0.06	0.63	1.1	<0.2	0.3	22.0	<0.01	<0.01	8.1	<0.005
JN19032-003	10.6	110	1.2	3.4	<0.001	0.04	0.26	1.2	<0.2	0.5	12.9	<0.01	<0.01	8.8	<0.005
JN19032-004	35.3	480	27.8	5.7	<0.001	0.02	2.45	1.8	<0.2	<0.2	15.5	<0.01	0.03	11.2	<0.005
JN19032-005	38.1	550	17.2	6.2	<0.001	0.23	1.99	1.9	0.2	<0.2	34.1	<0.01	0.04	9.0	<0.005
JN19032-006	41.1	170	5.8	7.5	<0.001	0.10	1.05	2.0	0.2	<0.2	39.6	<0.01	0.04	9.8	<0.005
JN19032-007	39.0	790	10.7	7.8	<0.001	0.38	1.20	2.1	0.3	<0.2	91.9	<0.01	0.03	8.9	<0.005
JN19032-008	62.4	170	124.0	7.2	0.003	3.21	11.85	1.6	1.1	<0.2	18.6	<0.01	0.06	9.8	<0.005
JN19032-009	50.0	160	65.9	6.6	0.001	1.62	7.07	1.7	0.7	<0.2	28.7	<0.01	0.08	9.5	<0.005
JN19032-010	36.8	1590	5.6	8.8	<0.001	0.11	0.51	1.9	0.2	<0.2	56.4	<0.01	0.05	9.6	<0.005
JN19032-010D	37.7	1530	5.2	8.2	<0.001	0.10	0.53	1.8	<0.2	<0.2	55.5	<0.01	0.05	9.8	<0.005
JN19032-011	49.7	230	3.7	8.2	<0.001	0.09	0.48	2.5	<0.2	<0.2	26.8	<0.01	0.05	10.9	<0.005
JN19032-012	47.6	220	2.5	6.8	<0.001	0.08	0.42	2.3	<0.2	<0.2	39.9	<0.01	0.04	10.8	<0.005
JN19032-013	39.3	160	3.6	6.9	<0.001	0.16	0.74	2.0	<0.2	0.2	38.1	<0.01	0.03	9.6	<0.005
JN19032-014	42.7	140	5.7	6.8	<0.001	0.14	0.50	2.6	<0.2	0.2	78.6	<0.01	0.03	9.6	<0.005
JN19032-015	33.2	180	5.5	7.5	<0.001	0.09	0.42	1.7	<0.2	<0.2	45.0	<0.01	0.02	9.7	<0.005
JN19032-016	38.4	160	15.9	6.7	0.001	0.20	0.76	1.9	<0.2	<0.2	51.4	<0.01	0.06	8.5	<0.005
JN19032-017	35.6	140	9.1	7.3	<0.001	0.13	0.51	2.2	0.2	0.2	104.5	<0.01	0.02	8.9	<0.005
JN19032-018	37.7	140	4.4	7.0	<0.001	0.09	0.62	2.1	<0.2	0.2	71.1	<0.01	0.01	9.6	<0.005
JN19032-019	42.1	140	17.7	7.9	<0.001	0.32	1.84	2.3	<0.2	0.2	83.8	<0.01	0.08	9.8	<0.005
JN19032-020	50.5	160	107.0	6.9	0.001	0.64	3.53	2.3	0.4	0.2	64.9	<0.01	0.10	9.2	<0.005
JN19032-020S	23.8	620	25.6	6.0	0.377	0.69	28.9	1.9	1.5	2.3	166.5	<0.01	1.57	1.6	0.071

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

ALS Canada Ltd.

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

Finalized Date: 8-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153196

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.05	1	0.05	0.05	2	0.5	0.005
JN19032-001		0.05	1.10	6	2.12	2.56	23	4.9	0.007
JN19032-002		0.04	0.60	7	2.19	2.89	17	3.7	0.009
JN19032-003		0.03	0.51	10	1.66	2.62	15	3.0	0.005
JN19032-004		0.07	1.23	11	0.35	4.60	65	6.8	0.142
JN19032-005		0.06	0.85	14	0.28	3.82	81	5.5	0.012
JN19032-006		0.05	0.99	17	0.07	3.21	89	8.4	<0.005
JN19032-007		0.06	1.09	15	0.07	4.59	83	7.8	<0.005
JN19032-008		0.12	1.45	14	0.10	3.20	164	9.4	0.020
JN19032-009		0.09	1.20	15	0.07	2.74	104	7.7	0.010
JN19032-010		0.07	0.94	16	0.06	4.43	94	5.9	<0.005
JN19032-010D		0.07	0.95	16	0.05	4.39	95	6.1	<0.005
JN19032-011		0.05	0.90	24	<0.05	3.17	115	5.7	<0.005
JN19032-012		0.05	0.92	21	<0.05	3.84	110	6.4	<0.005
JN19032-013		0.05	0.90	18	0.13	3.07	86	7.2	<0.005
JN19032-014		0.05	1.07	20	0.06	3.84	103	8.3	<0.005
JN19032-015		0.05	0.92	14	<0.05	3.72	81	7.5	<0.005
JN19032-016		0.04	1.08	13	<0.05	2.99	77	8.1	<0.005
JN19032-017		0.05	0.96	15	<0.05	4.09	81	10.3	<0.005
JN19032-018		0.05	1.02	17	<0.05	4.11	86	8.3	<0.005
JN19032-019		0.07	1.24	17	0.05	4.37	90	10.5	0.008
JN19032-020		0.07	1.16	18	<0.05	3.74	114	9.3	0.011
JN19032-020S		0.06	1.61	40	7.61	5.75	55	4.6	0.515

***** 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: 8-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19153196

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	LOG-22
LOG-24	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-AA24	ME-MS41

ALS Canada Ltd.

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

Finalized Date: 14-JUL-2019
This copy reported on 5-FEB-2020
Account: TELOEX

WH19156781

Project: Justin 2019 RAB Drill Program

P.O. No.: JN2019-1

This report is for 22 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 27-JUN-2019.

The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS41	Ultra Trace Aqua Regia ICP-MS	

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:

Saa Traxler, General Manager, North Vancouver

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

Finalized Date: 14-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156781

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
JN19033-001		2.52	0.12	0.60	140.0	0.02	<10	20	0.22	0.32	0.18	0.06	30.7	9.3	13	0.64
JN19033-002		4.12	0.22	1.03	65.5	0.03	<10	30	0.30	0.41	0.07	0.04	50.7	16.2	21	0.97
JN19033-003		2.27	0.14	1.73	46.3	<0.02	<10	40	0.42	0.41	0.35	0.04	68.4	17.1	27	1.26
JN19033-004		2.32	0.15	1.46	118.5	0.17	<10	40	0.71	0.64	0.14	0.08	57.6	23.2	23	1.65
JN19033-005		2.07	0.06	2.30	75.5	0.02	<10	60	0.65	0.13	1.92	0.06	83.2	17.4	30	2.09
JN19033-006		2.69	0.06	2.51	55.2	0.02	<10	60	0.61	0.22	1.32	0.05	55.6	16.9	33	1.60
JN19033-007		3.94	0.04	2.34	30.3	<0.02	<10	50	0.52	0.43	0.57	0.04	40.1	15.0	32	1.16
JN19033-008		3.24	0.06	2.41	27.6	<0.02	<10	40	0.54	0.27	0.42	0.02	38.6	17.2	33	1.10
JN19033-009		3.71	0.08	2.43	30.3	<0.02	<10	40	0.52	0.46	0.13	0.03	35.9	16.9	30	1.19
JN19033-010		3.37	0.15	2.22	42.1	0.05	<10	50	0.53	0.50	0.49	0.11	27.3	18.3	28	1.52
JN19033-010D		2.59	0.17	2.26	41.7	0.06	<10	50	0.50	0.50	0.54	0.12	27.4	17.9	29	1.53
JN19033-011		1.86	0.13	2.74	23.6	0.02	<10	40	0.61	0.41	0.16	0.03	40.7	14.5	33	1.47
JN19033-012		2.04	0.28	2.86	27.7	0.03	<10	40	0.61	0.61	0.27	0.03	41.0	18.3	34	1.69
JN19033-013		2.07	0.11	3.03	23.7	0.03	<10	50	0.58	0.42	0.18	0.02	41.5	18.6	40	1.58
JN19033-014		2.44	0.10	2.94	19.3	<0.02	<10	50	0.71	0.45	0.19	0.03	51.4	16.8	38	2.59
JN19033-015		1.85	0.11	2.43	21.4	<0.02	<10	50	0.61	0.49	0.16	0.02	35.3	20.6	34	2.19
JN19033-016		4.59	0.09	2.65	14.9	<0.02	<10	50	0.48	0.41	0.13	0.02	40.5	19.0	35	1.60
JN19033-017		1.77	0.06	2.78	8.6	<0.02	<10	50	0.54	0.40	0.13	0.03	48.0	11.6	36	1.66
JN19033-018		1.80	0.18	2.37	21.0	<0.02	<10	50	0.52	0.31	1.16	0.17	20.5	19.4	35	1.47
JN19033-019		2.88	0.14	2.48	24.5	<0.02	<10	50	0.57	0.45	0.18	0.09	35.7	18.8	34	1.83
JN19033-020		2.60	0.16	2.38	27.5	<0.02	<10	40	0.48	0.45	0.17	0.10	26.4	21.0	34	1.66
JN19033-020B		3.88	<0.01	0.03	<0.1	<0.02	<10	10	<0.05	0.01	>25.0	0.01	1.07	0.8	1	<0.05

***** 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: 14-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156781

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOD	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
JN19033-001		9.9	2.34	1.83	<0.05	0.05	<0.01	0.012	0.06	15.1	15.8	0.24	513	1.38	0.01	<0.05
JN19033-002		29.0	3.96	3.11	<0.05	0.07	<0.01	0.012	0.09	25.2	31.2	0.41	317	0.98	0.01	<0.05
JN19033-003		43.2	4.44	4.83	0.08	0.06	<0.01	0.014	0.15	35.4	54.5	0.73	275	0.73	0.01	<0.05
JN19033-004		35.5	5.12	4.45	0.06	0.11	<0.01	0.026	0.14	33.5	46.5	0.58	783	0.74	0.01	<0.05
JN19033-005		27.7	5.39	7.28	0.09	0.18	<0.01	0.039	0.21	47.6	74.3	1.25	1180	0.29	0.01	<0.05
JN19033-006		31.8	5.43	7.03	0.08	0.12	<0.01	0.029	0.19	32.4	86.5	1.34	881	0.25	0.01	<0.05
JN19033-007		41.2	4.46	6.23	0.05	0.10	<0.01	0.019	0.17	23.5	82.6	1.13	612	0.29	0.01	<0.05
JN19033-008		51.8	4.57	6.52	0.05	0.11	<0.01	0.020	0.18	22.6	88.7	1.14	567	0.41	0.01	<0.05
JN19033-009		47.5	4.88	5.64	0.05	0.09	<0.01	0.015	0.18	20.6	82.1	1.11	240	0.48	0.02	<0.05
JN19033-010		47.5	5.36	5.66	<0.05	0.13	<0.01	0.018	0.20	14.5	78.5	1.04	241	0.57	0.02	<0.05
JN19033-010D		46.7	5.48	5.75	<0.05	0.14	<0.01	0.018	0.20	14.5	77.3	1.06	241	0.58	0.02	<0.05
JN19033-011		41.7	5.72	6.86	0.06	0.14	<0.01	0.015	0.17	22.6	100.0	1.27	293	0.62	0.02	<0.05
JN19033-012		88.6	5.79	7.66	0.05	0.15	<0.01	0.024	0.17	22.0	108.5	1.29	281	0.60	0.02	<0.05
JN19033-013		52.3	5.72	7.81	0.05	0.16	<0.01	0.020	0.19	22.3	104.0	1.29	300	0.83	0.02	<0.05
JN19033-014		50.8	5.76	7.50	0.05	0.15	<0.01	0.018	0.20	27.9	90.9	1.28	319	0.51	0.03	<0.05
JN19033-015		55.4	5.29	6.18	0.05	0.13	<0.01	0.016	0.16	19.9	80.1	1.15	316	0.59	0.02	<0.05
JN19033-016		51.7	5.08	6.73	0.05	0.12	<0.01	0.017	0.17	22.6	86.7	1.19	287	0.47	0.02	<0.05
JN19033-017		49.0	5.00	6.89	0.06	0.12	<0.01	0.015	0.18	26.0	87.8	1.20	285	0.43	0.03	<0.05
JN19033-018		43.1	5.99	6.13	<0.05	0.18	0.01	0.022	0.16	11.4	77.2	1.46	1660	1.05	0.02	<0.05
JN19033-019		48.8	5.17	6.31	0.06	0.16	<0.01	0.019	0.19	19.9	78.0	1.15	421	0.97	0.02	<0.05
JN19033-020		47.8	5.39	5.91	<0.05	0.15	<0.01	0.019	0.16	14.9	77.2	1.16	419	0.81	0.02	<0.05
JN19033-020B		2.7	0.08	0.11	<0.05	<0.02	<0.01	<0.005	0.01	1.2	0.8	0.51	72	0.06	<0.01	0.08

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

Finalized Date: 14-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156781

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
JN19033-001		17.9	140	44.0	2.8	<0.001	0.04	1.13	1.3	<0.2	<0.2	12.7	<0.01	0.02	8.1	<0.005
JN19033-002		34.3	360	72.3	4.0	<0.001	0.02	2.49	1.4	0.2	<0.2	8.9	<0.01	0.03	10.6	<0.005
JN19033-003		35.8	1880	66.9	6.3	<0.001	0.03	3.63	1.5	0.2	<0.2	36.5	<0.01	0.03	14.5	<0.005
JN19033-004		54.6	490	26.2	6.3	<0.001	0.10	1.93	2.9	<0.2	<0.2	18.2	<0.01	0.01	13.2	<0.005
JN19033-005		50.5	160	13.8	10.7	<0.001	0.02	0.53	5.0	0.3	0.3	72.4	<0.01	0.01	16.3	0.010
JN19033-006		51.7	200	11.2	8.8	<0.001	0.04	0.73	3.5	<0.2	0.2	67.9	<0.01	0.02	13.1	<0.005
JN19033-007		43.8	170	13.4	7.3	<0.001	0.08	0.51	2.2	0.2	<0.2	31.3	<0.01	0.07	9.8	<0.005
JN19033-008		53.8	180	23.0	7.6	0.001	0.22	0.76	2.1	0.4	<0.2	28.2	<0.01	0.03	10.0	<0.005
JN19033-009		49.1	300	21.6	6.9	<0.001	0.46	1.51	1.5	<0.2	<0.2	17.1	<0.01	0.04	9.7	<0.005
JN19033-010		50.0	1990	33.2	8.4	<0.001	1.78	3.29	1.6	0.5	0.2	66.0	<0.01	0.05	10.0	<0.005
JN19033-010D		50.3	2300	31.5	8.4	0.001	1.83	3.37	1.6	0.3	0.2	77.6	<0.01	0.03	10.1	<0.005
JN19033-011		49.6	540	43.1	7.1	<0.001	0.56	2.03	1.9	0.4	<0.2	29.5	<0.01	0.03	11.6	<0.005
JN19033-012		54.2	1140	133.5	7.4	0.001	0.60	1.86	2.0	0.6	0.2	43.2	<0.01	0.03	11.8	<0.005
JN19033-013		54.4	750	23.7	7.9	<0.001	0.52	1.78	1.9	0.2	0.2	30.5	<0.01	0.04	10.5	<0.005
JN19033-014		51.7	710	14.2	8.5	<0.001	0.42	1.20	2.1	0.4	0.2	36.7	<0.01	0.03	12.2	<0.005
JN19033-015		53.1	450	12.8	6.8	<0.001	0.70	1.27	1.9	0.2	<0.2	33.2	<0.01	0.04	10.8	<0.005
JN19033-016		51.9	460	20.8	7.0	0.001	0.43	0.72	1.8	0.2	<0.2	25.4	<0.01	0.03	10.8	<0.005
JN19033-017		46.6	510	11.4	7.6	<0.001	0.31	0.38	1.7	0.2	<0.2	25.5	<0.01	0.03	11.3	<0.005
JN19033-018		50.2	220	46.0	6.8	0.001	1.45	0.88	2.7	0.3	<0.2	73.3	<0.01	0.03	9.4	<0.005
JN19033-019		48.7	360	38.3	7.8	0.001	0.92	1.11	1.8	0.5	<0.2	28.0	<0.01	0.04	10.7	<0.005
JN19033-020		50.6	310	55.5	6.6	0.002	1.28	1.84	1.7	0.6	<0.2	23.0	<0.01	0.05	8.9	<0.005
JN19033-020B		<0.2	70	0.5	0.5	<0.001	<0.01	0.05	0.2	<0.2	<0.2	94.7	<0.01	<0.01	<0.2	<0.005

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

ALS

ALS Canada Ltd.

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

Finalized Date: 14-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156781

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-AA24 Au ppm 0.005
JN19033-001		0.04	0.64	8	4.53	2.51	37	2.7	0.033
JN19033-002		0.07	0.78	12	1.50	3.15	67	5.2	0.093
JN19033-003		0.07	1.14	15	0.17	5.33	83	4.6	0.033
JN19033-004		0.10	2.33	16	0.19	8.65	90	6.7	0.122
JN19033-005		0.08	1.39	24	0.11	14.35	104	8.1	0.038
JN19033-006		0.08	1.18	22	0.10	7.82	114	6.6	0.050
JN19033-007		0.06	0.93	19	0.06	3.11	98	4.9	0.005
JN19033-008		0.06	1.01	19	0.11	2.52	97	4.9	0.005
JN19033-009		0.07	1.41	16	<0.05	2.25	109	4.2	0.031
JN19033-010		0.07	1.83	15	0.07	4.22	112	6.1	0.083
JN19033-010D		0.06	1.79	15	0.07	4.47	115	6.1	0.085
JN19033-011		0.06	1.63	18	0.27	2.80	116	6.6	0.053
JN19033-012		0.06	1.92	18	0.20	3.82	115	5.4	0.070
JN19033-013		0.06	1.54	21	0.13	2.93	118	5.0	0.069
JN19033-014		0.07	1.59	20	0.08	3.12	118	6.2	0.025
JN19033-015		0.08	1.31	18	0.06	2.56	96	7.5	0.009
JN19033-016		0.05	1.44	18	<0.05	2.44	106	4.8	<0.005
JN19033-017		0.06	1.50	18	<0.05	2.64	107	4.5	0.008
JN19033-018		0.07	1.18	20	0.10	3.14	106	8.7	0.007
JN19033-019		0.07	1.45	19	0.09	2.72	109	6.5	0.015
JN19033-020		0.07	1.23	19	0.05	2.43	110	6.4	0.023
JN19033-020B		<0.02	0.12	<1	<0.05	2.24	2	<0.5	<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: 14-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156781

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	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-AA24 ME-MS41

ALS Canada Ltd.

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

Finalized Date: 14-JUL-2019
This copy reported on 5-FEB-2020
Account: TELOEX

WH19156782

Project: Justin2019 RAB Drill Program

P.O. No.: JN2019-1

This report is for 15 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 27-JUN-2019.

The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS41	Ultra Trace Aqua Regia ICP-MS	

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:

Saa Traxler, General Manager, North Vancouver

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

Finalized Date: 14-JUL-2019
Account: TELOEX

Project: Justin2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156782

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
JN19034-001		0.13	0.03	1.07	281	<0.02	<10	70	0.36	0.13	0.06	0.04	47.0	4.9	24	0.91
JN19034-002		4.21	0.02	0.23	90.6	<0.02	<10	10	0.17	0.06	0.08	0.04	31.1	3.1	13	0.39
JN19034-003		2.37	0.03	0.25	22.7	<0.02	<10	20	0.18	0.08	0.11	0.02	29.4	2.0	12	0.54
JN19034-004		2.16	0.07	1.25	44.6	0.03	<10	30	0.40	0.93	0.13	0.01	59.9	14.1	22	1.76
JN19034-005		2.33	0.19	1.56	73.4	0.02	<10	40	0.56	0.38	0.38	0.04	66.5	26.6	23	1.72
JN19034-006		1.98	0.24	1.44	103.0	0.04	<10	40	0.78	0.58	0.48	0.04	54.5	31.7	21	2.47
JN19034-007		2.26	0.15	1.56	76.9	0.07	<10	20	0.46	0.48	0.37	0.03	36.6	27.7	21	1.47
JN19034-008		2.29	0.07	1.76	32.9	<0.02	<10	40	0.45	0.21	1.03	0.03	34.1	19.8	23	1.23
JN19034-009		2.68	0.10	1.71	55.1	<0.02	<10	40	0.52	0.24	0.57	0.05	35.1	19.9	22	1.73
JN19034-010		2.69	0.12	1.57	72.4	<0.02	<10	40	0.54	0.46	0.51	0.06	35.0	17.7	23	1.99
JN19034-010D		2.18	0.14	1.51	79.9	0.02	<10	40	0.52	0.45	0.63	0.08	31.6	17.8	22	1.95
JN19034-011		1.01	0.08	1.84	39.3	<0.02	<10	40	0.46	0.44	0.49	0.05	40.3	17.0	28	1.43
JN19034-012		2.65	0.07	1.88	37.8	<0.02	<10	40	0.41	0.45	0.47	0.06	36.1	16.1	28	1.32
JN19034-013		1.46	0.07	1.98	25.6	<0.02	<10	40	0.41	0.39	0.62	0.03	31.8	12.9	27	1.10
JN19034-014		2.74	0.10	2.16	40.5	<0.02	<10	40	0.42	0.39	0.40	0.02	29.5	21.4	30	1.16

***** 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: 14-JUL-2019
Account: TELOEX

Project: Justin2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156782

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
JN19034-001		10.7	2.40	3.00	<0.05	0.07	<0.01	0.011	0.26	22.6	14.5	0.20	357	1.76	0.06	<0.05
JN19034-002		4.7	1.60	0.79	<0.05	0.05	<0.01	0.008	0.04	14.6	4.0	0.06	445	1.11	0.01	<0.05
JN19034-003		4.6	1.72	1.00	<0.05	0.07	<0.01	0.010	0.03	14.1	6.1	0.08	450	1.12	0.02	<0.05
JN19034-004		28.0	3.84	4.13	0.05	0.10	0.01	0.018	0.13	31.6	43.3	0.50	295	1.45	0.02	<0.05
JN19034-005		45.0	3.78	4.47	0.07	0.10	<0.01	0.018	0.16	43.1	51.9	0.61	286	0.70	0.02	<0.05
JN19034-006		46.2	4.31	4.39	0.06	0.09	<0.01	0.019	0.15	29.0	50.0	0.54	390	1.02	0.02	<0.05
JN19034-007		44.0	4.15	4.39	0.05	0.08	<0.01	0.013	0.08	21.2	62.9	0.68	337	0.70	0.01	<0.05
JN19034-008		35.0	4.39	5.03	<0.05	0.08	<0.01	0.019	0.15	20.1	66.0	1.11	690	0.31	0.02	<0.05
JN19034-009		43.2	4.13	4.98	0.05	0.08	<0.01	0.021	0.16	20.6	60.7	0.96	470	0.64	0.02	<0.05
JN19034-010		40.8	4.39	4.53	<0.05	0.09	<0.01	0.023	0.14	20.3	58.8	0.87	502	0.49	0.02	<0.05
JN19034-010D		38.5	4.37	4.43	<0.05	0.08	<0.01	0.022	0.13	18.4	57.3	0.88	508	0.54	0.02	<0.05
JN19034-011		41.5	4.31	5.35	0.05	0.09	<0.01	0.020	0.13	23.6	73.2	0.98	651	0.46	0.02	<0.05
JN19034-012		43.7	4.30	5.43	0.05	0.08	<0.01	0.020	0.13	21.8	73.0	0.98	618	0.55	0.02	<0.05
JN19034-013		48.8	4.47	5.49	0.05	0.08	<0.01	0.023	0.13	19.0	82.5	1.09	672	0.25	0.02	<0.05
JN19034-014		48.9	4.57	5.93	0.05	0.10	<0.01	0.016	0.14	17.6	84.6	1.08	566	0.48	0.02	<0.05

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

ALS Canada Ltd.

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

Finalized Date: 14-JUL-2019
Account: TELOEX

Project: Justin2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156782

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
JN19034-001		16.2	150	7.2	11.6	<0.001	0.10	0.50	1.6	0.2	0.2	15.8	<0.01	0.02	9.8	<0.005
JN19034-002		9.6	120	5.8	2.3	<0.001	0.02	0.31	1.1	<0.2	<0.2	5.0	<0.01	<0.01	8.1	<0.005
JN19034-003		7.1	130	9.3	2.5	<0.001	0.01	0.22	1.4	<0.2	0.4	7.2	<0.01	<0.01	7.3	<0.005
JN19034-004		34.0	550	13.7	8.5	<0.001	0.01	1.48	2.0	<0.2	0.9	15.1	<0.01	0.03	12.9	<0.005
JN19034-005		45.3	1620	75.5	7.6	<0.001	0.03	2.53	1.7	<0.2	<0.2	38.0	<0.01	0.04	13.7	<0.005
JN19034-006		46.4	2060	95.7	7.6	<0.001	0.06	3.59	2.1	<0.2	0.2	67.7	<0.01	0.08	13.2	<0.005
JN19034-007		45.3	1600	54.9	3.9	<0.001	0.07	2.41	1.6	<0.2	<0.2	40.7	<0.01	0.09	10.8	<0.005
JN19034-008		41.6	200	17.3	7.0	<0.001	0.10	0.53	2.4	<0.2	<0.2	66.0	<0.01	0.01	8.9	<0.005
JN19034-009		41.4	230	27.6	7.2	<0.001	0.19	0.57	2.0	<0.2	<0.2	43.4	<0.01	0.03	9.3	<0.005
JN19034-010		40.4	350	39.2	6.4	<0.001	0.14	1.13	2.2	<0.2	0.2	54.5	<0.01	0.06	9.8	<0.005
JN19034-010D		39.5	400	37.3	6.3	<0.001	0.18	1.15	2.1	<0.2	0.2	67.6	<0.01	0.05	8.7	<0.005
JN19034-011		42.8	210	18.2	6.4	<0.001	0.07	0.74	2.3	<0.2	0.2	39.6	<0.01	0.07	10.4	<0.005
JN19034-012		42.2	240	17.8	6.2	0.001	0.09	0.78	2.2	<0.2	<0.2	37.5	<0.01	0.06	9.8	<0.005
JN19034-013		41.6	190	11.7	5.9	<0.001	0.10	0.77	2.1	<0.2	<0.2	43.5	<0.01	0.05	9.0	<0.005
JN19034-014		47.0	170	32.9	6.3	0.001	0.32	1.34	2.1	<0.2	<0.2	32.0	<0.01	0.06	9.1	<0.005

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

ALS Canada Ltd.

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

Finalized Date: 14-JUL-2019
Account: TELOEX

Project: Justin2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156782

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-AA24 Au ppm 0.005
JN19034-001		0.09	0.76	12	0.87	2.29	31	4.4	0.015
JN19034-002		0.03	0.53	6	3.97	1.94	19	3.2	0.010
JN19034-003		0.04	0.48	7	1.35	2.87	15	3.1	0.009
JN19034-004		0.11	0.84	14	0.46	4.58	45	5.3	0.042
JN19034-005		0.07	1.39	14	0.12	8.60	73	5.5	0.029
JN19034-006		0.09	1.94	14	0.19	8.31	79	7.6	0.093
JN19034-007		0.05	1.54	13	0.17	5.37	80	5.1	0.067
JN19034-008		0.05	0.78	16	0.12	4.43	89	4.9	<0.005
JN19034-009		0.07	0.85	16	0.15	3.58	96	4.3	0.017
JN19034-010		0.06	0.98	15	0.10	3.97	92	5.6	0.030
JN19034-010D		0.06	0.87	15	0.12	4.21	97	5.3	0.046
JN19034-011		0.05	0.89	17	<0.05	4.12	90	4.7	0.016
JN19034-012		0.05	0.92	17	0.77	3.74	91	4.6	0.014
JN19034-013		0.05	0.79	17	0.05	3.40	92	4.9	0.009
JN19034-014		0.06	0.81	18	<0.05	3.05	93	5.0	0.009

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

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Finalized Date: 14-JUL-2019
Account: TELOEX

Project: Justin2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156782

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	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-AA24, ME-MS41

ALS Canada Ltd.

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
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Finalized Date: 14-JUL-2019
This copy reported on 5-FEB-2020
Account: TELOEX

WH19156785

Project: Justin 2019 RAB Drill Program
P.O. No.: JN2019-1
This report is for 22 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 27-JUN-2019.

The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32m	Pulverize 500g - 85%<75um
BAG-01	Bulk Master for Storage
LOG-24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS41	Ultra Trace Aqua Regia ICP-MS	

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:
Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.

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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

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

Finalized Date: 14-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156785

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
JN19035-001		2.86	<0.01	0.57	357	<0.02	<10	20	0.13	0.31	0.67	0.02	29.3	3.2	14	3.15
JN19035-002		3.23	<0.01	0.47	10.6	<0.02	<10	20	0.15	0.13	0.75	0.01	31.5	3.6	16	1.50
JN19035-003		3.40	0.09	0.89	77.2	0.07	<10	20	0.30	0.46	0.70	0.03	38.7	14.8	19	1.36
JN19035-004		2.58	0.07	1.95	87.4	0.03	<10	40	0.49	0.34	0.20	0.03	46.8	24.8	26	1.57
JN19035-005		2.53	0.06	1.56	52.5	<0.02	<10	50	0.52	0.34	0.50	0.06	40.8	16.3	25	1.56
JN19035-006		3.53	0.05	1.75	45.6	<0.02	<10	40	0.49	0.24	0.34	0.04	43.9	13.1	26	1.32
JN19035-007		2.94	0.06	1.93	22.7	<0.02	<10	40	0.57	0.42	0.13	0.05	37.8	14.2	25	1.37
JN19035-008		2.32	0.13	1.93	40.3	0.06	<10	50	0.58	0.58	0.36	0.08	23.2	18.4	26	1.45
JN19035-009		2.26	0.08	2.50	25.7	<0.02	<10	40	0.53	0.42	0.15	0.07	34.0	16.2	32	1.55
JN19035-010		2.38	0.08	1.97	29.2	<0.02	<10	60	0.81	0.40	0.40	0.02	33.4	17.0	30	1.97
JN19035-010D		8.16	0.09	1.99	29.3	<0.02	<10	60	0.78	0.42	0.36	0.03	34.0	17.1	30	1.98
JN19035-011		2.17	0.09	2.46	18.3	<0.02	<10	50	0.64	0.37	0.27	0.02	32.2	20.7	34	1.75
JN19035-012		1.53	0.06	2.69	12.5	<0.02	<10	40	0.55	0.40	0.16	0.02	42.8	15.0	35	1.71
JN19035-013		3.18	0.07	2.38	21.2	<0.02	<10	50	0.55	0.44	0.20	0.03	36.8	19.4	33	1.71
JN19035-014		2.60	0.08	2.68	14.0	<0.02	<10	40	0.55	0.43	0.19	0.04	36.7	14.9	36	1.56
JN19035-015		2.42	0.19	2.27	30.4	<0.02	<10	40	0.53	0.43	0.43	0.12	20.7	25.0	34	1.37
JN19035-016		2.32	0.19	2.23	26.2	<0.02	<10	40	0.50	0.46	0.15	0.13	20.4	21.0	33	1.39
JN19035-017		2.42	0.09	2.71	16.3	<0.02	<10	50	0.62	0.43	0.36	0.07	32.0	19.0	37	1.59
JN19035-018		2.66	0.10	2.72	14.1	<0.02	<10	70	0.69	0.36	0.63	0.04	26.2	19.1	38	1.55
JN19035-019		1.46	0.11	2.48	13.3	<0.02	<10	40	0.60	0.37	0.68	0.08	26.3	20.5	34	1.57
JN19035-020		2.14	0.11	2.75	13.4	<0.02	<10	40	0.62	0.48	0.35	0.07	30.4	21.2	37	1.69
JN19035-020S		0.12	14.15	1.16	484	0.47	10	150	0.17	13.90	3.01	0.40	14.00	20.1	34	0.60

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

ALS Canada Ltd.

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

Finalized Date: 14-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156785

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
JN19035-001		8.1	1.55	2.74	<0.05	0.06	<0.01	0.013	0.12	13.7	22.1	0.29	231	0.63	0.02	<0.05
JN19035-002		4.6	1.57	2.17	<0.05	0.07	<0.01	0.011	0.07	15.3	19.6	0.28	230	1.29	0.01	<0.05
JN19035-003		21.2	2.89	2.97	<0.05	0.09	<0.01	0.014	0.08	20.5	33.0	0.44	358	1.31	0.01	<0.05
JN19035-004		45.6	4.84	5.98	0.06	0.09	<0.01	0.020	0.16	26.8	73.4	0.84	486	0.76	0.01	<0.05
JN19035-005		40.8	4.42	5.00	0.05	0.07	<0.01	0.018	0.15	23.9	59.5	0.98	571	0.63	0.01	<0.05
JN19035-006		48.2	4.27	5.15	0.06	0.10	<0.01	0.018	0.15	25.2	65.6	0.92	460	1.61	0.01	<0.05
JN19035-007		48.4	4.11	5.25	0.05	0.10	<0.01	0.014	0.16	20.9	71.7	0.93	241	0.60	0.01	<0.05
JN19035-008		47.0	5.13	5.29	<0.05	0.11	<0.01	0.018	0.16	12.5	71.2	1.00	267	0.76	0.02	<0.05
JN19035-009		52.7	5.25	6.90	0.05	0.12	<0.01	0.019	0.17	18.5	92.1	1.12	264	0.67	0.02	<0.05
JN19035-010		46.5	5.46	5.79	0.05	0.15	<0.01	0.020	0.16	17.7	68.0	1.14	279	0.57	0.02	<0.05
JN19035-010D		48.4	5.43	5.69	0.05	0.16	<0.01	0.019	0.17	18.5	68.5	1.12	279	0.57	0.02	<0.05
JN19035-011		49.6	5.49	6.74	0.05	0.13	<0.01	0.016	0.17	17.7	83.3	1.16	295	0.87	0.02	<0.05
JN19035-012		55.7	5.42	7.35	0.05	0.12	<0.01	0.019	0.17	23.0	93.6	1.22	292	0.56	0.02	<0.05
JN19035-013		55.3	5.22	6.74	0.05	0.11	<0.01	0.016	0.14	20.2	86.4	1.15	321	0.99	0.02	<0.05
JN19035-014		52.2	5.36	6.44	<0.05	0.12	<0.01	0.016	0.15	19.5	88.6	1.23	316	0.76	0.02	<0.05
JN19035-015		47.3	5.98	5.60	<0.05	0.17	<0.01	0.020	0.13	11.2	77.3	1.27	888	1.06	0.02	<0.05
JN19035-016		51.4	5.41	5.37	<0.05	0.14	<0.01	0.018	0.15	11.8	76.1	1.13	396	0.85	0.02	<0.05
JN19035-017		50.8	5.57	6.85	0.05	0.19	<0.01	0.015	0.16	17.9	91.0	1.34	475	0.43	0.02	<0.05
JN19035-018		46.3	5.92	7.21	0.06	0.11	<0.01	0.016	0.14	13.5	89.7	1.34	509	0.35	0.02	<0.05
JN19035-019		51.8	5.41	6.36	0.05	0.19	<0.01	0.016	0.14	13.7	78.1	1.19	833	0.61	0.02	<0.05
JN19035-020		58.3	5.47	6.91	<0.05	0.17	<0.01	0.017	0.16	16.4	90.5	1.22	409	0.48	0.03	<0.05
JN19035-020S		8160	3.34	3.52	<0.05	0.15	0.28	0.097	0.18	8.0	5.2	0.37	619	567	0.11	0.24

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

ALS Canada Ltd.

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

Finalized Date: 14-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156785

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
JN19035-001		10.2	100	1.6	14.0	<0.001	0.07	0.37	1.4	<0.2	1.9	31.4	<0.01	0.01	8.8	0.009
JN19035-002		11.2	110	2.0	6.6	<0.001	0.05	0.29	1.1	<0.2	0.7	44.2	<0.01	0.01	8.2	<0.005
JN19035-003		27.5	340	31.5	4.4	<0.001	0.08	1.34	1.6	<0.2	0.3	32.2	<0.01	0.04	9.7	<0.005
JN19035-004		53.1	550	24.8	7.5	<0.001	0.10	1.57	2.2	0.2	<0.2	25.6	<0.01	0.05	11.5	<0.005
JN19035-005		47.5	150	16.6	6.7	<0.001	0.08	0.74	2.1	<0.2	<0.2	43.1	<0.01	0.05	10.2	<0.005
JN19035-006		46.5	180	17.9	6.3	0.001	0.11	0.72	1.8	<0.2	<0.2	36.1	<0.01	0.04	10.2	<0.005
JN19035-007		47.1	280	27.3	6.9	<0.001	0.31	1.27	1.5	0.2	<0.2	21.9	<0.01	0.04	10.2	<0.005
JN19035-008		53.5	1330	36.6	7.6	0.001	1.45	2.94	1.6	0.2	<0.2	78.6	<0.01	0.09	9.0	<0.005
JN19035-009		50.2	530	26.7	7.8	0.001	0.72	1.93	1.8	0.3	<0.2	29.2	<0.01	0.05	10.0	<0.005
JN19035-010		51.6	340	15.1	7.8	<0.001	0.64	1.06	1.9	0.3	0.2	79.2	<0.01	0.04	10.9	<0.005
JN19035-010D		52.8	350	16.0	7.7	<0.001	0.66	1.08	1.9	0.2	0.2	71.6	<0.01	0.04	10.8	<0.005
JN19035-011		53.7	810	32.0	7.7	<0.001	0.63	1.06	1.9	0.3	<0.2	59.0	<0.01	0.04	9.7	<0.005
JN19035-012		54.1	490	17.3	7.5	<0.001	0.40	0.79	1.9	0.2	<0.2	33.4	<0.01	0.03	10.7	<0.005
JN19035-013		53.6	500	24.3	5.9	<0.001	0.49	0.95	1.8	0.2	<0.2	36.0	<0.01	0.04	10.1	<0.005
JN19035-014		49.7	580	16.7	6.3	0.001	0.51	0.96	1.7	<0.2	<0.2	27.1	<0.01	0.03	9.9	<0.005
JN19035-015		55.6	230	55.4	5.5	0.002	1.70	2.89	1.9	0.6	<0.2	35.8	<0.01	0.06	8.6	<0.005
JN19035-016		50.7	240	61.8	6.0	0.002	1.67	1.53	1.6	0.5	<0.2	21.1	<0.01	0.05	8.2	<0.005
JN19035-017		51.3	290	24.3	6.8	<0.001	0.66	0.65	2.0	0.2	<0.2	39.4	<0.01	0.05	10.2	<0.005
JN19035-018		49.4	1530	23.9	6.0	<0.001	0.68	0.84	2.2	0.2	<0.2	56.6	<0.01	0.02	9.4	<0.005
JN19035-019		45.8	950	32.8	6.1	<0.001	0.82	0.67	2.1	0.3	<0.2	48.5	<0.01	0.03	9.3	<0.005
JN19035-020		53.8	920	32.2	6.8	<0.001	0.72	0.91	1.9	0.3	<0.2	36.1	<0.01	0.03	9.6	<0.005
JN19035-020S		23.9	630	27.1	5.4	0.380	0.70	26.6	1.8	1.8	2.2	169.0	<0.01	1.46	1.5	0.067

***** 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: 14-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156785

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.05	1	0.05	0.05	2	0.5	0.005
JN19035-001		0.12	0.47	9	4.52	2.90	12	2.1	0.025
JN19035-002		0.06	0.52	7	9.84	2.36	12	2.7	0.009
JN19035-003		0.05	1.08	10	4.50	3.83	45	3.9	0.075
JN19035-004		0.06	1.32	17	0.31	4.36	106	5.0	0.045
JN19035-005		0.06	0.93	16	0.25	3.30	108	5.4	0.008
JN19035-006		0.05	1.04	15	0.43	3.04	97	5.0	0.009
JN19035-007		0.06	1.48	12	0.11	2.47	89	4.6	0.028
JN19035-008		0.07	1.53	13	0.15	3.68	102	6.2	0.098
JN19035-009		0.07	1.25	17	<0.05	2.48	110	4.2	0.012
JN19035-010		0.06	1.59	16	<0.05	2.89	94	15.8	<0.005
JN19035-010D		0.06	1.55	16	<0.05	2.79	97	15.0	0.005
JN19035-011		0.07	1.42	19	<0.05	3.08	110	9.6	<0.005
JN19035-012		0.06	1.56	18	<0.05	2.63	113	6.2	<0.005
JN19035-013		0.06	1.44	17	0.07	2.80	107	7.5	<0.005
JN19035-014		0.06	1.36	18	<0.05	2.54	114	6.2	<0.005
JN19035-015		0.07	1.16	19	<0.05	2.37	109	8.8	0.005
JN19035-016		0.07	1.11	19	<0.05	2.28	109	7.5	<0.005
JN19035-017		0.06	1.27	19	<0.05	2.55	111	10.4	<0.005
JN19035-018		0.05	1.26	20	<0.05	3.92	107	8.6	<0.005
JN19035-019		0.05	1.20	17	0.08	3.34	103	10.3	<0.005
JN19035-020		0.05	1.46	18	0.05	3.01	111	7.9	<0.005
JN19035-020S		0.06	1.69	41	7.82	5.38	54	4.2	0.538

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

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To: TERRALOGIC EXPLORATION SERVICES INC.
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SUITE 200
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Finalized Date: 14-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156785

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	LOG-22
LOG-24	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-AA24	ME-MS41

ALS Canada Ltd.

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

Finalized Date: 14-JUL-2019
This copy reported on 5-FEB-2020
Account: TELOEX

WH19156788

Project: Justin 2019 RAB Drill Program

P.O. No.: JN2019-1

This report is for 22 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 27-JUN-2019.

The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS41	Ultra Trace Aqua Regia ICP-MS	

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:

Saa Traxler, General Manager, North Vancouver

ALS

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Finalized Date: 14-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156788

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
JN19036-001		3.10	0.03	0.60	238	0.10	<10	10	0.11	0.24	0.39	0.02	32.4	4.5	19	1.06
JN19036-002		3.50	0.02	0.50	36.4	<0.02	<10	10	0.12	0.06	0.51	0.02	28.6	5.1	17	0.67
JN19036-003		3.28	0.02	0.44	8.9	<0.02	<10	10	0.17	0.10	0.87	0.02	35.3	5.6	17	0.99
JN19036-004		2.60	0.06	0.67	207	0.03	<10	20	0.22	0.22	0.92	0.03	23.3	8.5	17	0.80
JN19036-005		4.44	0.10	1.35	95.9	<0.02	<10	40	0.37	0.42	0.40	0.04	35.2	16.7	23	1.13
JN19036-006		1.83	0.06	1.39	23.8	<0.02	<10	40	0.46	0.22	0.59	0.04	37.3	13.6	23	1.50
JN19036-007		1.91	0.04	1.82	21.0	<0.02	<10	50	0.47	0.47	0.58	0.06	36.0	17.3	28	1.19
JN19036-008		1.63	0.11	1.66	47.2	<0.02	<10	50	0.43	0.42	0.17	0.05	31.1	19.4	26	1.50
JN19036-009		1.98	0.10	1.79	37.6	<0.02	<10	50	0.49	0.41	0.14	0.04	42.9	11.1	24	1.50
JN19036-010		2.04	0.08	2.27	25.5	<0.02	<10	50	0.62	0.48	0.16	0.05	42.5	16.6	27	1.48
JN19036-010D		1.12	0.09	2.25	26.0	<0.02	<10	50	0.56	0.47	0.16	0.04	42.0	16.2	27	1.43
JN19036-011		2.24	0.12	1.92	34.0	<0.02	<10	50	0.59	0.46	0.21	0.05	30.4	18.8	25	1.45
JN19036-012		1.88	0.15	2.08	33.1	<0.02	<10	60	0.53	0.45	0.63	0.45	22.2	21.3	26	1.50
JN19036-013		4.25	0.13	2.08	25.3	<0.02	<10	60	0.58	0.41	0.59	0.11	23.3	17.6	25	1.59
JN19036-014		2.77	0.12	2.39	23.1	<0.02	<10	50	0.55	0.42	0.25	0.09	32.0	18.3	29	1.50
JN19036-015		2.29	0.12	2.50	21.9	<0.02	<10	50	0.54	0.43	0.29	0.05	32.1	17.4	31	1.46
JN19036-016		4.12	0.15	2.48	32.1	<0.02	<10	50	0.59	0.51	0.50	0.08	32.8	22.7	31	1.41
JN19036-017		1.82	0.09	2.58	19.2	<0.02	<10	40	0.53	0.46	0.20	0.03	36.7	18.2	32	1.29
JN19036-018		1.39	0.10	2.74	15.4	<0.02	<10	40	0.60	0.49	0.16	0.04	37.6	19.0	35	1.34
JN19036-019		1.96	0.19	2.29	28.0	<0.02	<10	40	0.54	0.44	0.30	0.10	21.0	24.8	32	1.32
JN19036-020		1.54	0.08	2.77	19.2	<0.02	<10	50	0.56	0.37	0.13	0.07	39.8	12.9	35	1.40
JN19036-020B		3.31	<0.01	0.02	<0.1	<0.02	<10	10	<0.05	0.01	>25.0	0.01	1.19	0.8	1	<0.05

***** 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: 14-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156788

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
JN19036-001		14.0	1.86	2.76	<0.05	0.05	<0.01	0.012	0.05	15.9	23.1	0.30	267	1.44	0.02	<0.05
JN19036-002		5.1	1.67	2.25	<0.05	0.06	0.01	0.008	0.05	14.3	17.7	0.24	220	1.25	0.02	<0.05
JN19036-003		4.9	1.45	2.07	<0.05	0.13	<0.01	0.010	0.08	16.6	13.8	0.25	181	1.45	0.02	<0.05
JN19036-004		14.7	2.30	2.19	<0.05	0.07	<0.01	0.015	0.06	12.5	23.7	0.38	422	1.52	0.02	<0.05
JN19036-005		35.1	3.72	4.13	<0.05	0.08	<0.01	0.017	0.10	20.8	54.2	0.68	535	1.43	0.02	<0.05
JN19036-006		38.4	3.97	4.32	0.05	0.09	<0.01	0.020	0.12	22.1	55.2	0.95	525	0.38	0.02	<0.05
JN19036-007		43.2	4.41	5.32	<0.05	0.08	<0.01	0.018	0.15	21.5	70.2	1.07	689	0.37	0.02	<0.05
JN19036-008		46.0	4.16	4.79	<0.05	0.08	<0.01	0.016	0.16	18.5	60.8	0.80	371	0.60	0.02	<0.05
JN19036-009		46.1	3.71	4.70	0.05	0.09	<0.01	0.016	0.20	24.9	61.4	0.79	261	0.47	0.02	<0.05
JN19036-010		49.9	4.58	5.94	0.06	0.09	<0.01	0.014	0.20	24.2	81.0	1.01	248	0.53	0.03	<0.05
JN19036-010D		49.8	4.52	5.78	0.05	0.09	<0.01	0.016	0.20	23.9	77.2	1.00	250	0.48	0.03	<0.05
JN19036-011		48.1	4.55	4.90	0.05	0.10	<0.01	0.014	0.19	17.2	68.9	0.94	245	0.56	0.03	<0.05
JN19036-012		48.9	5.16	5.32	<0.05	0.11	0.01	0.020	0.17	12.1	75.3	1.02	258	0.73	0.03	<0.05
JN19036-013		48.1	5.26	5.30	<0.05	0.12	<0.01	0.017	0.19	12.3	73.6	1.04	238	0.61	0.03	<0.05
JN19036-014		52.4	5.25	6.13	0.05	0.11	<0.01	0.017	0.17	17.5	86.8	1.13	264	0.62	0.03	<0.05
JN19036-015		52.3	5.27	6.47	0.05	0.11	<0.01	0.015	0.17	17.7	91.1	1.15	264	0.52	0.03	<0.05
JN19036-016		57.0	5.68	6.67	0.06	0.14	<0.01	0.018	0.17	17.3	92.3	1.17	316	0.60	0.03	<0.05
JN19036-017		54.1	5.18	6.82	<0.05	0.12	<0.01	0.015	0.15	20.2	96.2	1.15	294	0.44	0.02	<0.05
JN19036-018		58.8	5.29	7.03	0.05	0.13	<0.01	0.017	0.17	20.4	100.5	1.19	284	0.43	0.03	<0.05
JN19036-019		49.5	5.23	6.29	<0.05	0.15	<0.01	0.020	0.15	12.2	87.0	1.12	611	1.07	0.02	<0.05
JN19036-020		52.0	5.08	7.39	0.06	0.14	<0.01	0.017	0.17	21.3	101.5	1.19	340	0.35	0.03	<0.05
JN19036-020B		1.7	0.07	0.09	<0.05	<0.02	<0.01	0.006	0.01	1.3	0.7	0.49	71	<0.05	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: 14-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156788

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
JN19036-001		12.2	110	1.7	4.5	0.001	0.09	0.29	1.4	<0.2	0.6	19.1	<0.01	0.01	8.9	<0.005
JN19036-002		10.6	80	1.8	3.8	<0.001	0.09	0.48	0.9	<0.2	0.3	21.7	<0.01	<0.01	7.9	<0.005
JN19036-003		10.4	780	2.3	5.3	0.001	0.10	0.40	1.0	<0.2	0.5	39.1	<0.01	<0.01	8.0	<0.005
JN19036-004		18.6	150	15.0	3.7	<0.001	0.15	0.80	1.5	<0.2	0.2	39.9	<0.01	0.02	8.5	<0.005
JN19036-005		41.1	210	27.8	5.0	<0.001	0.08	0.99	1.8	<0.2	<0.2	30.7	<0.01	0.04	9.7	<0.005
JN19036-006		37.8	140	11.8	5.7	<0.001	0.04	0.50	2.1	<0.2	<0.2	52.5	<0.01	0.02	9.5	<0.005
JN19036-007		45.1	150	17.0	6.8	<0.001	0.06	0.70	2.4	<0.2	<0.2	46.7	<0.01	0.08	9.7	<0.005
JN19036-008		47.0	200	28.0	7.0	<0.001	0.39	1.30	1.8	<0.2	<0.2	33.0	<0.01	0.07	9.5	<0.005
JN19036-009		42.0	190	10.6	8.5	0.001	0.40	1.06	1.4	<0.2	<0.2	22.7	<0.01	0.03	10.3	<0.005
JN19036-010		51.6	460	22.4	8.4	<0.001	0.41	1.65	1.8	<0.2	<0.2	34.4	<0.01	0.04	11.1	<0.005
JN19036-010D		49.0	440	22.4	8.5	0.001	0.40	1.53	1.7	<0.2	<0.2	34.7	<0.01	0.05	10.9	<0.005
JN19036-011		49.9	460	27.3	8.0	<0.001	1.02	2.17	1.6	<0.2	<0.2	34.2	<0.01	0.06	9.6	<0.005
JN19036-012		54.9	2360	41.0	7.7	0.001	1.43	2.69	1.6	<0.2	<0.2	153.5	<0.01	0.04	9.1	<0.005
JN19036-013		49.0	2410	33.0	8.1	<0.001	1.55	2.44	1.6	0.3	<0.2	131.5	<0.01	0.04	9.3	<0.005
JN19036-014		52.0	870	30.2	7.3	<0.001	0.79	1.65	1.8	<0.2	<0.2	56.8	<0.01	0.03	9.9	<0.005
JN19036-015		50.9	1050	25.0	7.3	<0.001	0.71	1.55	1.8	<0.2	<0.2	65.1	<0.01	0.03	10.0	<0.005
JN19036-016		55.0	1880	31.7	7.6	<0.001	1.10	2.25	1.9	0.4	<0.2	110.5	<0.01	0.05	9.9	<0.005
JN19036-017		51.8	610	18.1	6.8	<0.001	0.52	1.30	1.9	<0.2	<0.2	37.2	<0.01	0.04	10.1	<0.005
JN19036-018		52.1	550	22.2	7.2	<0.001	0.57	1.05	1.9	0.2	<0.2	25.2	<0.01	0.03	10.4	<0.005
JN19036-019		53.4	230	67.2	7.0	0.002	1.46	2.50	2.0	0.6	<0.2	27.2	<0.01	0.05	8.8	<0.005
JN19036-020		46.6	280	16.6	7.7	0.001	0.55	1.00	1.8	<0.2	<0.2	21.6	<0.01	0.04	9.4	<0.005
JN19036-020B		0.3	70	0.3	0.5	<0.001	<0.01	<0.05	0.2	<0.2	<0.2	93.9	<0.01	<0.01	<0.2	<0.005

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

Finalized Date: 14-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156788

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-AA24 Au ppm 0.005
JN19036-001	0.05	0.45	9	14.60	3.01	13	1.9	0.105
JN19036-002	0.03	0.42	7	28.0	2.27	11	2.2	0.006
JN19036-003	0.05	0.97	7	30.7	4.25	9	6.8	0.005
JN19036-004	0.04	0.71	7	6.90	3.01	29	3.2	0.035
JN19036-005	0.05	0.96	12	4.22	3.25	71	4.7	0.031
JN19036-006	0.04	0.89	15	0.40	3.17	83	6.1	<0.005
JN19036-007	0.05	0.89	17	0.12	2.90	95	4.8	0.006
JN19036-008	0.06	0.88	16	0.11	2.46	94	5.1	0.010
JN19036-009	0.06	1.20	13	0.08	2.37	77	4.6	0.008
JN19036-010	0.08	1.49	15	0.05	2.99	94	4.3	0.017
JN19036-010D	0.07	1.46	15	0.07	2.86	94	4.2	0.017
JN19036-011	0.06	1.50	13	0.23	2.64	91	5.0	0.022
JN19036-012	0.07	1.55	14	0.08	4.82	110	6.1	0.014
JN19036-013	0.06	1.59	14	0.09	4.87	101	6.5	0.006
JN19036-014	0.07	1.49	16	0.05	3.01	108	5.5	0.005
JN19036-015	0.06	1.50	16	0.07	3.20	108	5.3	<0.005
JN19036-016	0.07	1.49	17	<0.05	4.71	111	6.4	0.008
JN19036-017	0.06	1.48	17	<0.05	2.73	105	4.8	0.005
JN19036-018	0.06	1.67	17	<0.05	2.65	114	5.1	<0.005
JN19036-019	0.07	1.16	18	<0.05	2.28	103	6.6	0.006
JN19036-020	0.07	1.04	19	0.05	2.22	111	5.1	<0.005
JN19036-020B	<0.02	<0.05	<1	<0.05	2.10	<2	<0.5	<0.005

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

Finalized Date: 14-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156788

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	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-AA24	ME-MS41

ALS Canada Ltd.

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

Finalized Date: 14-JUL-2019
This copy reported on 5-FEB-2020
Account: TELOEX

WH19156793

Project: Justin 2019 RAB Drill Program

P.O. No.: JN2019-1

This report is for 9 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 27-JUN-2019.

The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS41	Ultra Trace Aqua Regia ICP-MS	

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:

Saa Traxler, General Manager, North Vancouver

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Finalized Date: 14-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156793

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
JN19037-001		1.63	0.08	2.45	119.0	<0.02	<10	40	0.45	0.36	0.15	0.06	75.1	15.6	34	0.99
JN19037-002		2.51	0.09	2.11	267	<0.02	<10	30	0.47	0.35	0.18	0.05	64.4	15.9	29	1.31
JN19037-003		2.94	0.07	1.39	137.5	<0.02	<10	30	0.40	0.20	0.11	0.03	60.0	11.2	20	1.64
JN19037-004		6.52	0.07	1.33	132.0	0.15	<10	30	0.44	0.21	0.39	0.04	39.7	11.2	23	1.90
JN19037-005		4.74	0.09	0.81	797	0.19	<10	30	0.32	0.44	0.56	0.03	29.1	14.3	18	1.53
JN19037-006		4.46	0.07	1.28	249	0.03	<10	30	0.38	0.28	0.58	0.06	27.8	14.5	21	1.64
JN19037-007		2.50	0.08	2.13	26.7	<0.02	<10	40	0.44	0.47	0.13	0.05	35.3	17.0	26	1.38
JN19037-008		3.10	0.07	1.88	38.8	<0.02	<10	40	0.36	0.44	0.40	0.05	23.7	20.5	28	1.24
JN19037-009		3.18	0.14	1.96	34.3	<0.02	<10	50	0.51	0.46	0.40	0.10	20.5	17.4	24	1.56

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Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156793

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOD	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
JN19037-001		36.7	4.91	6.81	0.07	0.07	<0.01	0.024	0.11	41.1	83.8	0.95	853	1.27	0.02	<0.05
JN19037-002		40.7	4.79	5.99	0.08	0.12	0.01	0.020	0.11	36.0	78.4	0.80	663	1.17	0.02	<0.05
JN19037-003		36.9	3.48	4.29	0.08	0.11	<0.01	0.017	0.13	33.0	49.2	0.49	323	0.78	0.01	<0.05
JN19037-004		26.5	4.01	4.06	0.06	0.11	0.01	0.024	0.09	20.7	45.8	0.53	606	1.17	0.01	<0.05
JN19037-005		22.4	3.00	2.59	0.05	0.09	<0.01	0.014	0.09	15.3	28.7	0.50	350	1.18	0.02	<0.05
JN19037-006		31.5	3.63	3.91	0.05	0.09	<0.01	0.022	0.11	15.4	49.0	0.74	460	0.69	0.01	<0.05
JN19037-007		49.7	4.31	5.59	0.06	0.09	<0.01	0.014	0.16	19.9	84.0	1.00	278	0.48	0.02	<0.05
JN19037-008		42.9	4.40	5.16	0.05	0.08	<0.01	0.016	0.13	14.3	76.7	1.04	592	0.66	0.02	<0.05
JN19037-009		47.4	4.99	4.97	0.05	0.12	0.01	0.018	0.16	11.2	74.8	0.96	248	0.59	0.03	<0.05

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

ALS Canada Ltd.

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

Finalized Date: 14-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156793

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
JN19037-001		44.5	390	22.6	5.7	<0.001	0.01	0.68	2.4	<0.2	0.2	16.3	<0.01	0.02	13.1	<0.005
JN19037-002		47.6	640	22.1	5.9	<0.001	0.01	1.25	2.3	<0.2	<0.2	18.8	<0.01	0.02	11.7	<0.005
JN19037-003		34.6	370	5.5	6.6	<0.001	0.01	1.06	1.7	<0.2	<0.2	14.7	<0.01	0.02	11.2	<0.005
JN19037-004		35.7	270	15.1	5.1	<0.001	0.04	1.19	2.9	<0.2	<0.2	26.6	<0.01	0.02	8.9	<0.005
JN19037-005		30.5	1170	25.6	5.1	<0.001	0.25	1.74	1.5	0.2	0.2	66.7	<0.01	0.04	7.8	<0.005
JN19037-006		35.6	440	16.9	5.9	<0.001	0.14	1.40	2.1	<0.2	0.2	48.6	<0.01	0.03	8.2	<0.005
JN19037-007		49.4	270	27.6	7.6	0.001	0.33	1.35	1.6	<0.2	<0.2	21.4	<0.01	0.05	9.6	<0.005
JN19037-008		46.6	170	42.4	6.5	<0.001	0.24	1.44	2.1	0.2	<0.2	37.5	<0.01	0.09	8.3	<0.005
JN19037-009		50.5	1560	34.8	7.6	<0.001	1.49	3.29	1.6	0.2	<0.2	95.8	<0.01	0.05	8.1	<0.005

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

Finalized Date: 14-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156793

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-AA24 Au ppm 0.005
JN19037-001		0.04	1.18	18	0.26	4.64	101	3.2	0.016
JN19037-002		0.05	1.28	15	0.69	5.56	98	5.9	0.020
JN19037-003		0.05	1.12	11	0.44	4.90	60	5.8	0.037
JN19037-004		0.05	1.06	12	1.05	5.91	71	6.3	0.084
JN19037-005		0.05	0.78	10	3.09	4.75	44	4.9	0.335
JN19037-006		0.05	0.85	13	0.72	4.09	77	4.9	0.053
JN19037-007		0.06	1.39	14	<0.05	2.26	95	4.1	<0.005
JN19037-008		0.05	0.91	18	0.05	2.40	93	4.9	0.006
JN19037-009		0.06	1.44	13	0.07	3.59	98	5.9	0.017

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CERTIFICATE OF ANALYSIS WH19156793

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	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-AA24	ME-MS41

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
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SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 12-JUL-2019
This copy reported on 5-FEB-2020
Account: TELOEX

WH19156794

Project: Justin 2019 RAB Drill Program

P.O. No.: JN2019-1

This report is for 22 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 27-JUN-2019.

The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32m	Pulverize 500g - 85%<75um
BAG-01	Bulk Master for Storage
LOG-24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS41	Ultra Trace Aqua Regia ICP-MS	

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:
Saa Traxler, General Manager, North Vancouver

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Finalized Date: 12-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156794

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
JN19038-001		2.63	0.04	1.96	23.7	<0.02	<10	30	0.41	0.42	0.15	0.06	62.1	17.1	30	1.13
JN19038-002		1.97	0.06	2.54	69.8	<0.02	<10	30	0.47	0.37	0.18	0.05	75.9	16.2	33	2.21
JN19038-003		5.35	0.12	2.59	40.1	<0.02	<10	30	0.43	0.44	0.15	0.04	76.4	18.2	35	2.09
JN19038-004		5.74	0.14	2.57	13.6	<0.02	<10	30	0.42	0.46	0.30	0.05	53.8	18.2	34	1.68
JN19038-005		3.15	0.09	2.50	14.0	<0.02	<10	30	0.42	0.34	0.75	0.05	43.6	15.8	34	2.12
JN19038-006		3.39	0.08	2.45	18.2	<0.02	<10	30	0.41	0.37	0.61	0.03	38.2	17.2	32	1.58
JN19038-007		4.67	0.08	1.81	59.9	<0.02	<10	30	0.47	0.44	0.41	0.02	30.0	16.3	26	1.60
JN19038-008		3.45	0.09	1.21	57.3	<0.02	<10	30	0.56	0.50	0.87	0.02	25.7	14.5	22	1.10
JN19038-009		3.31	0.05	0.32	390	0.07	<10	20	0.22	0.25	0.59	0.03	21.2	6.1	12	0.84
JN19038-010		2.95	0.04	0.24	854	0.04	<10	10	0.15	0.12	0.42	0.03	21.8	4.3	9	0.64
JN19038-010D		3.14	0.04	0.24	501	0.12	<10	10	0.16	0.13	0.42	0.03	20.9	4.3	8	0.62
JN19038-011		2.87	0.05	0.66	610	0.02	<10	20	0.23	0.10	0.60	0.02	18.90	8.6	14	0.78
JN19038-012		3.41	0.02	0.14	1760	<0.02	<10	10	0.09	0.11	0.11	0.01	11.65	2.7	6	0.39
JN19038-013		3.29	0.03	0.14	456	<0.02	<10	10	0.12	0.17	0.08	0.01	17.20	4.3	5	0.66
JN19038-014		3.29	0.04	0.14	366	<0.02	<10	10	0.11	0.36	0.06	<0.01	17.70	4.3	6	0.85
JN19038-015		3.15	0.02	0.13	329	<0.02	<10	10	0.09	0.19	0.06	0.01	17.55	2.4	6	0.53
JN19038-016		2.70	0.03	0.16	269	0.02	<10	10	0.16	0.54	0.11	0.01	22.5	4.7	8	0.67
JN19038-017		3.02	0.15	0.63	77.2	<0.02	<10	30	0.37	0.34	0.68	0.08	20.8	16.3	20	1.20
JN19038-018		3.22	0.16	0.64	72.2	<0.02	<10	30	0.39	0.36	1.35	0.07	13.20	24.4	17	0.93
JN19038-019		3.64	0.12	0.69	98.1	0.02	<10	40	0.43	0.39	1.00	0.12	29.0	15.8	21	1.18
JN19038-020		2.56	0.08	0.76	15.3	<0.02	<10	50	0.39	0.35	0.95	0.06	31.5	14.0	26	1.11
JN19038-020S		0.12	13.85	1.09	462	0.51	10	150	0.15	13.35	2.83	0.44	13.60	20.0	32	0.60

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

Finalized Date: 12-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156794

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
JN19038-001		45.0	4.92	5.57	0.08	0.07	<0.01	0.019	0.10	33.2	70.0	0.74	591	0.41	0.02	<0.05
JN19038-002		43.9	5.18	6.97	0.09	0.10	0.01	0.018	0.10	41.3	84.7	0.96	667	0.39	0.02	<0.05
JN19038-003		48.1	5.10	7.36	0.10	0.12	<0.01	0.018	0.10	42.0	87.3	1.01	591	0.60	0.02	<0.05
JN19038-004		49.6	5.02	7.11	0.08	0.14	<0.01	0.018	0.11	29.9	86.2	1.05	779	0.50	0.02	<0.05
JN19038-005		44.0	5.05	7.11	0.08	0.13	<0.01	0.019	0.10	23.5	89.7	1.13	871	0.33	0.02	<0.05
JN19038-006		44.9	4.97	6.73	0.06	0.11	0.01	0.017	0.12	21.2	89.9	1.12	613	0.31	0.02	<0.05
JN19038-007		35.6	4.68	4.99	0.06	0.11	<0.01	0.021	0.13	16.6	65.5	0.93	598	0.39	0.02	<0.05
JN19038-008		36.8	4.93	3.77	0.05	0.12	<0.01	0.025	0.10	13.5	44.6	0.93	636	0.47	0.02	<0.05
JN19038-009		17.8	2.25	1.10	<0.05	0.09	<0.01	0.018	0.06	10.3	7.0	0.31	319	0.78	0.01	<0.05
JN19038-010		11.6	1.63	0.87	<0.05	0.07	<0.01	0.011	0.05	10.9	5.1	0.21	236	0.42	0.02	<0.05
JN19038-010D		13.8	1.61	0.88	<0.05	0.07	<0.01	0.011	0.05	10.5	5.6	0.22	236	0.38	0.01	<0.05
JN19038-011		21.1	2.62	2.42	<0.05	0.08	0.01	0.017	0.07	9.6	23.5	0.41	326	0.38	0.02	<0.05
JN19038-012		9.2	1.31	0.50	<0.05	0.05	<0.01	0.006	0.04	5.7	2.5	0.08	178	0.32	0.01	<0.05
JN19038-013		12.3	1.21	0.51	<0.05	0.07	<0.01	0.009	0.07	8.4	1.3	0.07	163	0.35	0.01	<0.05
JN19038-014		9.1	1.22	0.50	<0.05	0.06	<0.01	0.005	0.07	8.6	1.0	0.04	130	0.53	0.01	<0.05
JN19038-015		7.6	1.51	0.49	<0.05	0.04	<0.01	0.008	0.05	9.0	1.4	0.07	191	0.33	0.01	<0.05
JN19038-016		15.4	1.68	0.65	<0.05	0.06	<0.01	0.010	0.05	11.2	1.8	0.10	198	0.55	0.01	<0.05
JN19038-017		40.8	4.10	2.38	<0.05	0.07	<0.01	0.015	0.10	11.4	20.0	0.60	433	0.53	0.02	<0.05
JN19038-018		32.2	3.88	2.22	<0.05	0.08	<0.01	0.017	0.09	7.2	21.8	0.82	609	1.47	0.02	<0.05
JN19038-019		45.3	4.21	2.89	0.05	0.09	<0.01	0.021	0.12	16.3	22.1	0.99	504	0.50	0.02	<0.05
JN19038-020		40.6	4.19	3.47	0.05	0.10	<0.01	0.019	0.12	17.9	24.2	1.10	525	0.24	0.03	<0.05
JN19038-020S		7810	3.16	3.53	0.05	0.14	0.29	0.098	0.17	7.9	5.1	0.35	585	536	0.10	0.25

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Finalized Date: 12-JUL-2019
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CERTIFICATE OF ANALYSIS WH19156794

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
JN19038-001		47.4	740	24.1	5.1	<0.001	0.01	0.74	2.0	0.2	<0.2	16.7	<0.01	0.04	12.2	<0.005
JN19038-002		50.9	640	20.5	5.4	<0.001	<0.01	0.81	2.2	<0.2	<0.2	19.4	<0.01	0.03	13.4	<0.005
JN19038-003		52.6	520	15.8	5.6	<0.001	0.01	1.00	2.3	0.2	<0.2	21.9	0.01	0.03	13.3	<0.005
JN19038-004		51.4	470	27.5	5.8	<0.001	0.07	0.90	2.2	0.3	<0.2	24.3	<0.01	0.04	11.0	<0.005
JN19038-005		49.3	380	18.8	5.6	<0.001	0.10	0.73	2.5	<0.2	<0.2	38.8	<0.01	0.04	10.2	<0.005
JN19038-006		48.5	530	24.7	6.3	<0.001	0.17	0.76	2.2	<0.2	<0.2	37.0	<0.01	0.02	9.9	<0.005
JN19038-007		47.9	420	11.4	6.6	<0.001	0.42	1.30	1.8	<0.2	0.3	27.5	<0.01	0.03	9.8	<0.005
JN19038-008		40.3	420	4.6	5.5	<0.001	0.61	1.18	2.1	<0.2	0.3	42.8	<0.01	0.02	10.3	<0.005
JN19038-009		16.8	590	4.0	3.4	<0.001	0.33	0.91	1.3	<0.2	0.3	29.8	<0.01	0.02	7.6	<0.005
JN19038-010		11.5	190	3.7	3.1	<0.001	0.22	0.74	0.8	<0.2	<0.2	19.4	<0.01	0.02	7.6	<0.005
JN19038-010D		12.0	200	3.8	3.0	<0.001	0.22	0.65	0.8	<0.2	<0.2	20.1	<0.01	0.01	7.7	<0.005
JN19038-011		22.3	150	2.6	4.2	<0.001	0.22	0.67	1.6	<0.2	<0.2	26.8	<0.01	0.01	7.6	<0.005
JN19038-012		8.2	90	1.7	2.5	<0.001	0.26	1.01	0.5	<0.2	<0.2	6.7	<0.01	0.01	4.1	<0.005
JN19038-013		11.3	140	2.0	5.1	<0.001	0.22	1.05	0.6	<0.2	0.3	7.6	<0.01	0.01	8.3	<0.005
JN19038-014		8.5	120	2.0	4.6	<0.001	0.29	0.78	0.4	<0.2	0.3	8.0	<0.01	0.02	7.3	<0.005
JN19038-015		6.3	40	1.8	4.2	<0.001	0.25	0.57	0.6	<0.2	0.5	6.5	<0.01	0.02	6.7	<0.005
JN19038-016		12.6	140	4.1	4.0	<0.001	0.35	1.45	0.8	<0.2	0.7	9.2	<0.01	0.02	6.7	<0.005
JN19038-017		43.0	330	42.9	5.7	<0.001	0.58	2.40	1.5	<0.2	<0.2	36.0	<0.01	0.04	8.6	<0.005
JN19038-018		38.5	290	48.9	4.7	<0.001	0.79	3.49	1.8	<0.2	<0.2	61.9	<0.01	0.07	7.1	<0.005
JN19038-019		40.8	460	28.0	6.1	<0.001	0.48	1.45	1.8	<0.2	0.2	69.2	<0.01	0.06	9.6	<0.005
JN19038-020		41.8	150	14.7	5.9	<0.001	0.17	0.56	2.2	<0.2	0.2	89.2	<0.01	0.04	10.0	<0.005
JN19038-020S		25.5	600	24.9	5.9	0.377	0.68	27.9	1.9	1.9	2.2	163.0	<0.01	1.49	1.6	0.066

***** 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: 12-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156794

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-AA24 Au ppm 0.005
JN19038-001		0.04	1.10	16	0.08	3.21	106	4.6	0.005
JN19038-002		0.04	1.36	17	0.05	4.37	102	4.4	<0.005
JN19038-003		0.04	1.39	17	0.07	3.93	101	5.1	0.005
JN19038-004		0.05	1.13	17	0.07	3.25	106	5.1	<0.005
JN19038-005		0.04	0.97	17	0.05	3.06	104	6.1	<0.005
JN19038-006		0.04	1.10	17	<0.05	3.08	103	5.2	<0.005
JN19038-007		0.05	1.35	14	0.10	3.46	86	6.3	0.005
JN19038-008		0.06	1.27	14	0.41	5.00	64	8.5	0.011
JN19038-009		0.04	0.70	6	1.29	3.22	37	5.2	0.084
JN19038-010		0.03	0.53	4	1.52	1.94	29	3.3	0.085
JN19038-010D		0.02	0.58	4	1.53	1.99	28	3.3	0.087
JN19038-011		0.04	0.59	8	1.11	2.33	40	4.1	0.040
JN19038-012		0.03	0.27	2	0.46	1.12	10	1.8	0.028
JN19038-013		0.05	0.65	2	0.49	1.61	9	3.3	0.013
JN19038-014		0.04	0.63	2	0.45	1.44	7	3.1	0.009
JN19038-015		0.04	0.46	3	0.27	1.42	8	2.0	0.010
JN19038-016		0.12	0.55	4	0.29	1.82	14	2.8	0.025
JN19038-017		0.07	0.94	12	0.06	2.52	83	4.0	0.012
JN19038-018		0.09	0.88	10	0.11	3.20	68	5.1	0.031
JN19038-019		0.07	0.97	14	0.07	5.12	94	6.9	0.013
JN19038-020		0.05	1.02	17	<0.05	3.90	93	6.4	<0.005
JN19038-020S		0.06	1.52	38	7.73	5.72	52	4.0	0.569

***** 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: 12-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156794

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	LOG-22
	LOG-24	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-AA24	ME-MS41

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

Finalized Date: 14-JUL-2019
This copy reported on 5-FEB-2020
Account: TELOEX

WH19156796

Project: Justin 2019 RAB Drill Program

P.O. No.: JN2019-1

This report is for 23 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 27-JUN-2019.

The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS41	Ultra Trace Aqua Regia ICP-MS	

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:

Saa Traxler, General Manager, North Vancouver

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Finalized Date: 14-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156796

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
JN19040-001		3.43	0.06	1.69	30.2	<0.02	<10	30	0.35	0.40	0.18	0.13	42.0	10.8	30	1.34
JN19040-002		4.95	0.09	0.76	34.8	<0.02	<10	40	0.54	0.56	0.07	0.35	59.1	18.6	15	2.27
JN19040-003		4.79	0.47	0.35	25.4	<0.02	<10	20	0.36	0.73	0.04	0.81	31.0	11.6	13	1.79
JN19040-004		4.26	0.21	0.38	63.7	<0.02	10	30	0.37	0.70	0.03	0.58	31.3	15.6	11	2.64
JN19040-005		4.84	0.51	0.33	41.3	<0.02	10	20	0.27	0.75	0.06	0.52	20.8	10.1	9	1.58
JN19040-006		4.21	0.21	0.26	20.9	<0.02	<10	20	0.30	0.38	0.11	0.45	22.5	9.9	8	1.22
JN19040-007		3.66	0.35	0.43	21.4	<0.02	10	40	0.35	0.80	0.13	0.74	26.1	16.3	10	1.96
JN19040-008		8.84	0.08	0.39	31.1	<0.02	<10	30	0.33	0.24	0.13	0.16	30.8	9.1	12	1.60
JN19040-009		2.79	0.10	0.25	18.9	<0.02	<10	10	0.28	1.08	0.14	0.15	25.5	5.6	9	0.65
JN19040-010		3.40	0.10	0.19	102.0	<0.02	<10	10	0.15	0.22	0.08	0.25	17.45	4.2	6	0.71
JN19040-010D		2.48	0.11	0.20	113.0	<0.02	<10	10	0.18	0.23	0.09	0.25	20.5	4.2	8	0.70
JN19040-011		3.43	0.08	0.16	15.7	<0.02	<10	<10	0.12	0.36	0.06	0.07	18.25	4.3	6	0.61
JN19040-012		3.03	0.04	0.17	16.2	<0.02	<10	10	0.09	0.07	0.04	0.03	16.15	3.4	5	0.42
JN19040-013		3.07	0.03	0.16	3.8	<0.02	<10	10	0.08	0.04	0.04	0.04	16.15	1.8	4	0.52
JN19040-014		2.56	0.03	0.22	4.7	<0.02	<10	10	0.12	0.03	0.05	0.05	17.60	2.3	6	0.53
JN19040-015		3.02	0.05	0.16	2.3	<0.02	<10	<10	0.11	0.21	0.07	0.05	15.20	3.1	7	0.36
JN19040-016		2.71	0.03	0.20	6.8	<0.02	<10	10	0.11	0.05	0.08	0.05	20.7	2.9	5	0.45
JN19040-017		2.01	0.06	0.27	11.7	<0.02	<10	20	0.14	0.13	0.12	0.05	21.1	6.3	6	0.70
JN19040-018		2.27	0.03	0.20	4.1	<0.02	<10	10	0.11	0.05	0.06	0.06	20.1	2.5	6	0.49
JN19040-019		2.36	0.03	0.17	7.3	<0.02	<10	<10	0.12	0.04	0.07	0.03	22.1	3.0	7	0.49
JN19040-020		2.12	0.07	0.60	6.7	<0.02	<10	60	0.89	0.41	0.32	0.03	31.9	17.5	13	1.57
JN19040-020B		2.13	<0.01	0.02	0.2	<0.02	<10	10	<0.05	<0.01	>25.0	0.01	0.95	0.6	<1	<0.05
JN19040-021		1.66	0.07	0.86	6.2	<0.02	<10	50	1.44	0.32	0.37	0.03	34.3	16.9	24	2.34

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

Finalized Date: 14-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156796

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOD	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
JN19040-001		25.4	3.63	5.17	0.06	0.04	<0.01	0.020	0.14	22.4	52.6	0.70	374	1.07	0.02	0.22
JN19040-002		62.6	4.53	2.40	0.07	0.09	0.01	0.023	0.17	32.4	16.0	0.18	501	0.75	0.01	0.11
JN19040-003		52.6	3.84	1.16	0.05	0.09	0.01	0.082	0.13	16.1	3.2	0.04	460	0.79	0.01	<0.05
JN19040-004		70.0	4.05	1.08	0.05	0.09	0.01	0.043	0.18	16.3	3.7	0.18	515	0.81	0.01	<0.05
JN19040-005		76.9	3.14	0.96	<0.05	0.09	0.01	0.038	0.18	10.7	2.6	0.12	359	0.57	0.01	<0.05
JN19040-006		47.5	3.20	0.82	<0.05	0.09	0.02	0.025	0.12	11.4	2.3	0.25	604	0.93	0.01	<0.05
JN19040-007		60.5	3.65	1.36	<0.05	0.12	0.01	0.024	0.24	14.4	3.6	0.36	644	0.49	0.01	<0.05
JN19040-008		35.7	2.60	1.28	<0.05	0.14	0.01	0.020	0.15	15.5	2.8	0.22	485	0.56	0.01	<0.05
JN19040-009		42.5	2.43	0.89	<0.05	0.12	0.01	0.151	0.05	12.7	1.5	0.08	693	1.28	0.01	<0.05
JN19040-010		19.2	1.82	0.57	<0.05	0.05	0.02	0.058	0.09	8.4	1.1	0.04	668	0.55	0.01	<0.05
JN19040-010D		18.4	1.95	0.62	<0.05	0.06	0.01	0.068	0.08	10.2	1.1	0.05	731	0.65	0.01	<0.05
JN19040-011		20.1	1.16	0.52	<0.05	0.06	0.01	0.037	0.02	8.9	0.9	0.02	250	0.37	0.01	<0.05
JN19040-012		9.2	0.74	0.53	<0.05	0.05	0.01	0.006	0.04	7.7	0.8	0.02	119	0.27	0.01	<0.05
JN19040-013		5.4	0.86	0.44	<0.05	0.04	0.01	0.005	0.05	8.1	1.0	0.05	192	0.22	0.01	<0.05
JN19040-014		5.9	1.21	0.63	<0.05	0.05	0.01	0.006	0.06	9.0	1.5	0.09	306	0.24	0.01	<0.05
JN19040-015		8.4	1.21	0.49	<0.05	0.05	<0.01	0.044	0.03	7.5	0.7	0.04	255	0.29	0.01	<0.05
JN19040-016		6.7	0.95	0.61	<0.05	0.06	<0.01	0.009	0.05	10.4	0.8	0.03	207	0.23	0.01	<0.05
JN19040-017		16.5	1.36	0.80	<0.05	0.09	0.02	0.009	0.10	10.7	1.2	0.06	207	0.30	0.01	<0.05
JN19040-018		9.3	1.11	0.55	<0.05	0.04	0.01	0.018	0.06	10.1	0.8	0.04	270	0.27	0.01	<0.05
JN19040-019		7.4	1.24	0.57	<0.05	0.04	0.01	0.030	0.02	10.7	0.8	0.03	273	0.23	0.01	<0.05
JN19040-020		45.6	3.91	1.99	<0.05	0.11	<0.01	0.014	0.24	16.9	5.6	0.17	424	0.29	0.02	<0.05
JN19040-020B		1.2	0.06	0.08	<0.05	<0.02	<0.01	<0.005	0.01	1.1	0.6	0.59	66	<0.05	0.01	<0.05
JN19040-021		40.3	5.15	2.67	<0.05	0.11	<0.01	0.013	0.24	18.1	14.2	0.35	470	0.25	0.03	<0.05

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Finalized Date: 14-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156796

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
JN19040-001		31.9	660	18.2	10.0	<0.001	0.02	0.64	1.6	<0.2	0.4	18.3	<0.01	0.04	10.5	0.020
JN19040-002		47.7	580	17.7	11.6	<0.001	0.07	1.68	1.9	<0.2	0.4	11.9	<0.01	0.04	16.4	<0.005
JN19040-003		28.4	290	55.9	9.4	<0.001	0.19	2.76	2.4	<0.2	1.1	4.6	<0.01	0.01	11.3	<0.005
JN19040-004		35.8	290	29.7	12.2	<0.001	0.48	4.96	2.0	<0.2	1.1	7.1	<0.01	0.01	13.7	<0.005
JN19040-005		27.2	230	141.0	12.7	<0.001	1.51	3.62	1.5	<0.2	2.5	5.3	<0.01	0.01	10.8	<0.005
JN19040-006		27.5	160	32.2	8.0	<0.001	0.92	2.64	1.7	<0.2	1.0	4.9	<0.01	0.01	9.9	<0.005
JN19040-007		42.6	380	51.0	13.6	<0.001	1.16	1.48	1.7	<0.2	0.8	9.8	<0.01	0.02	15.4	<0.005
JN19040-008		30.8	430	10.6	9.0	<0.001	0.69	0.91	1.7	<0.2	0.9	6.6	<0.01	0.01	13.6	<0.005
JN19040-009		10.6	200	10.7	3.0	<0.001	0.58	0.92	1.8	<0.2	2.2	3.1	<0.01	0.02	7.5	<0.005
JN19040-010		8.7	150	20.4	6.2	<0.001	0.67	1.73	1.3	<0.2	0.8	2.4	<0.01	0.01	5.4	<0.005
JN19040-010D		8.6	160	20.5	5.6	<0.001	0.62	1.73	1.5	<0.2	0.9	2.5	<0.01	0.01	5.3	<0.005
JN19040-011		6.9	100	6.7	2.0	<0.001	0.40	0.73	1.0	<0.2	0.8	1.7	<0.01	0.01	4.1	<0.005
JN19040-012		8.6	90	4.1	2.4	<0.001	0.22	0.32	0.5	<0.2	0.4	1.3	<0.01	0.01	4.9	<0.005
JN19040-013		5.1	100	4.9	3.4	<0.001	0.20	0.40	0.5	<0.2	0.2	1.4	<0.01	<0.01	4.7	<0.005
JN19040-014		6.6	120	5.4	3.7	<0.001	0.20	0.38	0.9	<0.2	0.2	1.8	<0.01	<0.01	4.9	<0.005
JN19040-015		6.7	110	3.8	2.2	<0.001	0.28	0.35	1.1	<0.2	0.6	1.9	<0.01	0.01	3.4	<0.005
JN19040-016		7.6	230	5.5	3.3	<0.001	0.26	0.37	0.9	<0.2	0.3	2.4	<0.01	<0.01	6.0	<0.005
JN19040-017		13.1	430	8.6	5.0	<0.001	0.55	0.64	1.0	<0.2	0.4	6.0	<0.01	0.01	8.1	<0.005
JN19040-018		7.3	100	4.5	3.7	<0.001	0.28	0.41	1.0	<0.2	0.3	1.7	<0.01	<0.01	7.2	<0.005
JN19040-019		9.1	80	3.3	1.6	<0.001	0.21	0.35	1.5	<0.2	0.6	1.4	<0.01	0.01	5.6	<0.005
JN19040-020		43.1	620	8.2	11.9	<0.001	0.48	0.42	1.7	<0.2	0.4	13.3	<0.01	0.02	13.8	<0.005
JN19040-020B		0.5	70	0.2	0.5	<0.001	0.01	<0.05	0.2	0.5	<0.2	87.8	<0.01	0.01	<0.2	<0.005
JN19040-021		43.0	430	11.4	13.9	<0.001	0.35	0.26	2.5	<0.2	0.3	13.1	<0.01	0.02	15.2	0.009

***** 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: 14-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156796

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-AA24 Au ppm 0.005
JN19040-001		0.09	0.88	17	0.52	4.19	72	2.4	<0.005
JN19040-002		0.18	1.86	10	0.45	5.62	144	4.5	0.010
JN19040-003		0.16	1.26	10	0.77	3.61	211	4.2	<0.005
JN19040-004		0.13	1.63	7	0.74	3.53	113	3.1	0.015
JN19040-005		0.16	1.00	7	2.27	2.50	80	2.7	0.011
JN19040-006		0.14	0.97	6	1.60	3.23	65	3.1	0.006
JN19040-007		0.19	1.42	8	0.70	4.11	122	3.7	0.007
JN19040-008		0.26	1.04	8	0.85	4.70	47	4.0	0.005
JN19040-009		0.17	0.73	9	0.92	5.93	36	3.4	0.013
JN19040-010		0.10	0.59	4	1.00	3.01	51	1.5	0.008
JN19040-010D		0.10	0.67	5	0.86	3.46	53	1.7	0.008
JN19040-011		0.47	0.57	4	0.46	2.87	18	2.0	0.008
JN19040-012		0.84	0.41	3	0.76	1.56	9	1.8	<0.005
JN19040-013		0.13	0.36	2	0.45	1.25	11	1.2	<0.005
JN19040-014		0.09	0.43	3	0.93	1.57	16	1.6	<0.005
JN19040-015		0.12	0.47	5	0.44	2.44	14	1.9	0.005
JN19040-016		0.11	0.61	4	0.53	2.30	13	2.2	<0.005
JN19040-017		0.21	0.94	4	0.37	3.01	16	3.5	<0.005
JN19040-018		0.20	0.58	4	0.68	2.38	15	1.6	<0.005
JN19040-019		0.36	0.42	7	0.38	3.38	11	1.4	<0.005
JN19040-020		0.25	2.27	11	0.33	6.24	73	5.0	0.006
JN19040-020B		<0.02	0.08	<1	<0.05	2.18	<2	<0.5	<0.005
JN19040-021		0.19	1.88	22	<0.05	5.29	93	4.5	0.006

***** 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: 14-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156796

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	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-AA24	ME-MS41

ALS Canada Ltd.

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

Finalized Date: 16-JUL-2019
This copy reported on 5-FEB-2020
Account: TELOEX

WH19156797

Project: Justin 2019 RAB Drill Program

P.O. No.: JN2019-1

This report is for 28 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 27-JUN-2019.

The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32m	Pulverize 500g - 85%<75um
BAG-01	Bulk Master for Storage
LOG-24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS41	Ultra Trace Aqua Regia ICP-MS	
Ag-OG46	Ore Grade Ag - Aqua Regia	
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES

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:

Saa Traxler, General Manager, North Vancouver

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44 - 12TH AVE SOUTH
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Finalized Date: 16-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156797

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
JN19041-001		1.92	0.07	1.98	23.6	<0.02	<10	40	0.36	0.25	0.13	0.13	48.6	11.2	32	0.75
JN19041-002		4.14	0.14	1.21	76.8	<0.02	10	40	0.35	0.57	0.11	0.26	59.3	12.0	20	1.55
JN19041-003		4.70	0.58	0.35	38.5	<0.02	20	30	0.25	1.32	0.03	0.09	91.9	2.4	5	2.04
JN19041-004		4.30	0.56	0.40	68.5	0.02	20	40	0.37	0.91	0.04	0.17	73.5	6.0	9	2.74
JN19041-005		4.15	0.67	0.41	67.7	<0.02	10	40	0.50	0.90	0.03	0.44	61.0	10.2	8	2.47
JN19041-006		3.72	0.22	0.45	31.1	<0.02	20	40	0.34	0.43	0.09	0.56	37.5	12.6	13	1.53
JN19041-007		2.16	0.21	0.54	35.3	<0.02	10	50	0.40	0.40	0.11	0.93	35.6	13.9	12	2.41
JN19041-008		2.91	0.32	0.35	34.9	<0.02	30	30	0.29	0.42	0.11	1.73	35.3	6.7	7	1.62
JN19041-009		4.61	0.34	0.45	47.0	<0.02	20	30	0.34	0.48	0.12	0.55	34.7	10.0	10	1.88
JN19041-010		3.87	0.37	0.49	50.9	<0.02	20	30	0.41	0.54	0.12	0.64	36.7	10.7	12	1.95
JN19041-010D		4.06	0.36	0.50	46.4	<0.02	20	30	0.38	0.53	0.12	0.62	37.5	10.7	11	2.00
JN19041-011		3.06	0.15	0.30	22.9	<0.02	10	20	0.21	0.44	0.07	0.28	25.2	5.2	7	1.12
JN19041-012		2.34	0.07	0.21	16.1	<0.02	10	10	0.12	0.09	0.04	0.15	23.5	2.0	5	0.77
JN19041-013		2.18	0.15	0.18	41.9	<0.02	10	10	0.11	0.13	0.04	0.26	16.95	2.6	4	0.77
JN19041-014		3.65	0.12	0.25	70.1	<0.02	10	10	0.15	0.20	0.14	0.21	22.7	3.9	6	0.79
JN19041-015		3.12	0.06	0.20	29.3	<0.02	10	10	0.11	0.09	0.07	0.11	22.2	2.6	6	0.60
JN19041-016		3.58	0.07	0.18	24.6	<0.02	10	10	0.09	0.09	0.05	0.13	17.75	3.2	6	0.49
JN19041-017		2.75	0.07	0.20	24.8	<0.02	10	10	0.10	0.11	0.07	0.11	17.05	3.5	6	0.59
JN19041-018		2.77	0.11	0.22	27.4	<0.02	10	10	0.13	0.18	0.04	0.11	17.75	3.3	5	0.90
JN19041-019		3.57	0.14	0.25	44.7	<0.02	10	20	0.16	0.22	0.04	0.29	17.95	2.1	5	0.97
JN19041-020		3.92	0.66	0.19	91.1	0.02	10	10	0.14	0.65	0.04	4.04	15.75	2.0	5	0.86
JN19041-020S		0.17	>100	1.80	10.9	7.23	<10	180	0.12	0.08	0.96	0.17	15.85	8.4	23	0.75
JN19041-021		2.58	0.15	0.23	14.5	<0.02	10	10	0.15	0.14	0.06	0.39	21.9	1.9	8	0.68
JN19041-022		3.22	0.11	0.16	14.1	<0.02	10	10	0.16	0.68	0.11	0.12	16.70	2.7	5	0.60
JN19041-023		2.03	0.19	0.16	14.3	<0.02	20	10	0.18	0.51	0.08	0.29	20.5	3.4	6	0.65
JN19041-024		2.48	0.16	0.19	16.7	<0.02	10	10	0.25	0.34	0.10	0.24	23.2	4.8	7	0.73
JN19041-025		2.76	0.12	0.27	61.3	<0.02	10	20	0.44	0.31	0.19	0.31	28.9	6.8	9	1.09
JN19041-026		Listed, NR														

***** 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: 16-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156797

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOD	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
JN19041-001		22.0	4.12	5.96	0.05	0.09	<0.01	0.022	0.15	26.2	56.5	0.89	391	0.52	0.02	0.13
JN19041-002		29.6	3.59	3.54	0.05	0.05	<0.01	0.034	0.17	31.5	31.2	0.45	388	0.76	0.01	0.19
JN19041-003		14.5	1.12	1.19	0.07	0.08	<0.01	0.053	0.18	48.6	4.0	0.04	78	0.52	0.01	0.05
JN19041-004		39.2	3.00	1.19	0.07	0.09	0.01	0.042	0.20	43.3	3.3	0.03	164	0.93	0.02	0.05
JN19041-005		50.3	3.25	1.24	0.05	0.10	0.02	0.045	0.23	38.1	3.6	0.03	447	0.58	0.02	<0.05
JN19041-006		70.2	3.30	1.36	<0.05	0.12	0.01	0.030	0.19	19.9	3.8	0.14	493	0.68	0.01	<0.05
JN19041-007		58.8	3.96	1.53	<0.05	0.11	0.01	0.025	0.27	19.0	6.0	0.39	689	0.61	0.02	<0.05
JN19041-008		51.4	1.69	1.12	<0.05	0.10	0.01	0.060	0.15	18.9	3.9	0.12	231	0.65	0.01	<0.05
JN19041-009		59.4	2.72	1.45	<0.05	0.11	0.01	0.039	0.20	18.0	4.6	0.17	526	0.67	0.01	<0.05
JN19041-010		68.0	3.06	1.52	<0.05	0.13	0.01	0.049	0.20	18.7	4.8	0.18	572	0.80	0.01	<0.05
JN19041-010D		66.3	2.92	1.55	<0.05	0.14	0.01	0.051	0.21	19.6	4.8	0.18	568	0.76	0.01	<0.05
JN19041-011		35.7	1.61	0.88	<0.05	0.13	<0.01	0.046	0.10	12.5	2.5	0.10	287	0.46	0.01	<0.05
JN19041-012		14.0	0.86	0.64	<0.05	0.06	0.02	0.013	0.08	11.6	1.7	0.04	140	0.28	0.01	<0.05
JN19041-013		21.9	0.98	0.59	<0.05	0.05	0.02	0.017	0.09	8.6	1.4	0.03	186	0.29	0.01	<0.05
JN19041-014		25.3	1.14	0.76	<0.05	0.08	0.02	0.019	0.09	10.6	1.6	0.05	198	0.35	0.01	<0.05
JN19041-015		15.0	0.89	0.62	<0.05	0.06	0.02	0.011	0.06	10.8	1.3	0.04	156	0.37	0.01	<0.05
JN19041-016		16.6	1.01	0.54	<0.05	0.05	0.02	0.013	0.05	8.9	1.1	0.03	143	0.33	0.01	<0.05
JN19041-017		18.2	1.55	0.57	<0.05	0.06	0.09	0.037	0.06	8.6	1.1	0.04	123	0.36	0.01	<0.05
JN19041-018		17.4	1.29	0.64	<0.05	0.07	0.06	0.022	0.09	8.9	1.5	0.03	97	0.31	0.01	<0.05
JN19041-019		18.3	0.82	0.67	<0.05	0.08	0.01	0.017	0.11	8.8	2.3	0.03	130	0.33	<0.01	<0.05
JN19041-020		41.0	1.13	0.62	<0.05	0.06	0.04	0.111	0.09	7.6	1.6	0.02	209	0.47	<0.01	<0.05
JN19041-020S		103.0	3.80	5.81	0.07	0.10	0.28	0.012	0.36	7.2	7.1	0.74	605	6.20	0.21	0.23
JN19041-021		20.3	0.88	0.71	<0.05	0.05	0.02	0.031	0.07	10.8	1.6	0.04	148	0.68	<0.01	<0.05
JN19041-022		31.8	1.61	0.52	<0.05	0.04	<0.01	0.158	0.06	8.2	1.1	0.05	371	0.36	<0.01	<0.05
JN19041-023		40.9	1.49	0.60	<0.05	0.06	0.01	0.104	0.06	10.4	1.3	0.05	235	0.50	<0.01	<0.05
JN19041-024		31.5	1.68	0.73	<0.05	0.08	0.01	0.064	0.08	11.8	1.4	0.05	224	0.41	<0.01	<0.05
JN19041-025		23.3	2.15	1.07	<0.05	0.10	<0.01	0.041	0.10	14.2	2.5	0.09	328	0.42	<0.01	<0.05
JN19041-026																

***** 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: 16-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156797

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
JN19041-001		35.1	510	29.1	9.3	<0.001	0.03	0.49	1.8	<0.2	0.3	15.9	<0.01	0.03	10.5	0.028
JN19041-002		29.4	470	29.8	11.0	<0.001	0.05	2.66	1.5	<0.2	2.2	11.5	<0.01	0.02	11.4	0.007
JN19041-003		6.9	280	105.5	12.9	<0.001	0.04	4.30	0.7	<0.2	8.2	12.9	<0.01	0.01	10.3	<0.005
JN19041-004		18.0	500	130.5	12.1	<0.001	0.08	4.68	1.3	<0.2	2.4	14.6	<0.01	0.02	13.2	<0.005
JN19041-005		30.4	500	243	13.4	<0.001	0.18	4.30	1.1	<0.2	1.2	15.4	<0.01	0.02	15.1	<0.005
JN19041-006		31.1	470	33.9	11.6	<0.001	0.95	2.74	2.5	<0.2	1.2	9.3	<0.01	0.01	15.8	<0.005
JN19041-007		38.8	420	31.1	16.1	<0.001	1.29	2.05	2.0	<0.2	1.3	9.5	<0.01	0.01	15.1	<0.005
JN19041-008		20.2	480	81.4	10.0	<0.001	0.52	1.91	1.0	<0.2	6.2	12.8	<0.01	0.01	14.3	<0.005
JN19041-009		29.5	420	76.1	13.3	<0.001	0.85	2.03	1.7	<0.2	5.6	8.7	<0.01	0.01	15.1	<0.005
JN19041-010		32.4	440	93.2	12.8	<0.001	0.97	2.20	1.8	<0.2	5.6	9.2	<0.01	0.01	16.4	<0.005
JN19041-010D		31.5	430	90.0	13.7	<0.001	0.94	2.28	1.8	<0.2	5.8	9.1	<0.01	0.01	16.1	<0.005
JN19041-011		15.0	200	45.1	6.7	<0.001	0.51	1.27	0.9	<0.2	2.7	4.4	<0.01	0.01	9.8	<0.005
JN19041-012		7.5	160	21.2	5.6	<0.001	0.27	0.68	0.5	<0.2	1.3	2.8	<0.01	<0.01	7.9	<0.005
JN19041-013		9.5	140	41.9	6.5	<0.001	0.43	0.95	0.5	<0.2	1.4	2.6	<0.01	0.01	6.5	<0.005
JN19041-014		11.1	570	33.5	6.4	<0.001	0.47	0.87	0.7	<0.2	1.5	6.3	<0.01	0.01	8.1	<0.005
JN19041-015		7.1	270	16.6	4.5	<0.001	0.29	0.57	0.7	<0.2	0.9	3.4	<0.01	<0.01	6.1	<0.005
JN19041-016		7.2	170	16.2	3.7	<0.001	0.40	0.62	0.7	<0.2	1.0	2.8	<0.01	0.01	5.7	<0.005
JN19041-017		9.7	250	15.7	4.1	<0.001	1.04	1.42	0.6	<0.2	1.3	2.6	<0.01	<0.01	5.6	<0.005
JN19041-018		10.3	170	16.2	6.1	<0.001	0.82	1.29	0.5	<0.2	1.2	2.4	<0.01	0.01	7.4	<0.005
JN19041-019		7.9	130	29.2	7.6	<0.001	0.36	1.14	0.5	<0.2	1.7	2.4	<0.01	<0.01	8.3	<0.005
JN19041-020		8.6	140	306	6.4	<0.001	0.76	2.08	0.6	<0.2	3.1	3.2	<0.01	0.01	6.8	<0.005
JN19041-020S		15.5	740	11.5	13.5	<0.001	0.12	4.17	3.3	4.8	1.6	81.7	<0.01	0.13	2.7	0.149
JN19041-021		7.1	130	37.3	5.4	<0.001	0.30	0.78	0.8	0.2	1.8	3.3	<0.01	<0.01	8.2	<0.005
JN19041-022		6.8	90	13.0	4.6	<0.001	0.43	0.88	1.2	<0.2	1.9	4.0	<0.01	<0.01	5.6	<0.005
JN19041-023		10.1	160	28.0	4.5	<0.001	0.57	1.09	1.0	<0.2	3.2	4.8	<0.01	<0.01	7.2	<0.005
JN19041-024		13.7	220	28.8	4.8	<0.001	0.64	1.13	1.1	<0.2	2.6	5.3	<0.01	0.01	8.6	<0.005
JN19041-025		18.7	410	29.3	6.0	<0.001	0.41	0.97	1.7	0.2	2.0	8.7	<0.01	0.01	11.5	<0.005
JN19041-026																

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

ALS Canada Ltd.

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

Finalized Date: 16-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156797

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Ag-OG46	Au-AA24
	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	0.005
JN19041-001		0.07	0.89	19	0.17	4.20	90	4.3		<0.005
JN19041-002		0.09	0.99	11	0.51	4.06	110	2.7		0.006
JN19041-003		0.10	0.97	3	0.34	3.50	112	2.7		0.010
JN19041-004		0.11	1.52	6	0.41	5.25	130	3.2		0.018
JN19041-005		0.16	1.93	5	0.42	6.24	112	3.0		0.010
JN19041-006		0.20	1.58	11	0.92	5.49	97	4.5		<0.005
JN19041-007		0.20	1.70	9	0.51	5.26	93	3.7		<0.005
JN19041-008		0.09	1.36	4	0.33	4.65	223	3.4		<0.005
JN19041-009		0.13	1.49	8	0.41	5.15	97	4.1		0.007
JN19041-010		0.13	1.65	9	0.88	5.59	122	4.6		0.007
JN19041-010D		0.13	1.61	8	0.92	5.61	120	4.6		0.007
JN19041-011		0.17	0.82	4	0.92	2.91	62	2.8		0.005
JN19041-012		0.12	0.54	2	0.48	2.21	30	1.9		<0.005
JN19041-013		0.11	0.47	2	0.57	1.86	40	1.6		<0.005
JN19041-014		0.23	0.69	3	0.97	3.89	37	2.6		<0.005
JN19041-015		0.13	0.42	3	1.01	2.56	23	2.0		<0.005
JN19041-016		0.31	0.38	3	0.87	2.00	25	1.8		<0.005
JN19041-017		0.61	0.52	3	1.03	2.04	23	1.9		<0.005
JN19041-018		0.32	0.62	2	0.72	1.96	21	2.1		<0.005
JN19041-019		0.10	0.52	2	0.33	2.01	49	2.5		<0.005
JN19041-020		0.17	0.54	2	0.75	2.37	605	2.0		0.019
JN19041-020S		0.12	0.84	76	1.16	8.07	60	1.8	128	9.70
JN19041-021		0.14	0.51	4	0.46	2.68	72	2.0		0.005
JN19041-022		0.20	0.41	3	0.33	3.00	26	1.6		0.005
JN19041-023		0.17	0.57	3	0.25	3.19	47	2.1		<0.005
JN19041-024		0.17	0.72	5	0.18	3.72	44	2.8		<0.005
JN19041-025		0.16	1.07	7	0.22	5.75	56	4.3		<0.005
JN19041-026										

***** 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: 16-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156797

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	LOG-22
LOG-24	PUL-32m	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-AA24	ME-MS41	ME-OG46

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

Finalized Date: 14-JUL-2019
This copy reported on 5-FEB-2020
Account: TELOEX

WH19156803

Project: Justin 2019 RAB Drill Program

P.O. No.: JN2019-1

This report is for 28 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 27-JUN-2019.

The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS41	Ultra Trace Aqua Regia ICP-MS	

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:

Saa Traxler, General Manager, North Vancouver

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

Finalized Date: 14-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156803

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
JN19042-001		2.17	0.07	1.96	27.4	<0.02	<10	50	0.39	0.29	0.13	0.15	44.6	11.7	30	0.69
JN19042-002		2.00	0.13	1.68	27.9	<0.02	<10	40	0.40	0.43	0.09	0.13	31.7	11.7	27	0.88
JN19042-003		5.99	0.08	1.68	47.3	<0.02	<10	100	0.59	0.35	0.26	0.22	42.3	14.5	29	1.99
JN19042-004		2.33	1.09	0.33	41.6	<0.02	20	20	0.26	1.86	0.03	0.10	63.0	2.7	8	0.96
JN19042-005		3.83	1.47	0.18	27.9	<0.02	40	10	0.16	2.31	0.02	0.07	50.2	2.0	8	0.81
JN19042-006		6.10	1.42	0.16	20.2	<0.02	40	20	0.15	1.86	0.02	0.08	66.3	3.3	7	0.81
JN19042-007		1.96	0.89	0.24	45.3	<0.02	30	30	0.20	1.21	0.02	0.32	62.8	2.8	5	1.06
JN19042-008		3.18	0.73	0.30	57.1	<0.02	20	30	0.25	1.06	0.06	0.44	39.6	6.9	7	1.61
JN19042-009		3.24	0.33	0.47	43.5	<0.02	10	40	0.39	0.66	0.17	0.95	37.4	12.3	8	2.54
JN19042-010		2.36	0.22	0.41	41.9	<0.02	20	40	0.33	0.42	0.12	0.68	35.8	13.8	6	2.61
JN19042-010D		2.32	0.20	0.41	37.6	<0.02	20	40	0.33	0.43	0.12	0.62	35.6	11.8	6	2.50
JN19042-011		2.69	0.17	0.50	55.9	<0.02	10	40	0.53	0.56	0.12	0.88	34.6	16.3	17	4.40
JN19042-012		3.28	0.42	0.27	201	0.02	20	20	0.27	0.97	0.05	0.40	33.6	9.5	7	2.21
JN19042-013		2.75	0.27	0.39	41.7	<0.02	10	20	0.40	0.69	0.10	0.87	34.0	10.9	15	2.75
JN19042-014		3.12	0.75	0.36	56.0	<0.02	20	30	0.34	1.23	0.12	2.89	30.7	12.1	8	2.61
JN19042-015		3.43	1.30	0.30	61.7	<0.02	30	30	0.26	1.48	0.16	3.71	26.5	8.6	6	1.69
JN19042-016		2.87	0.55	0.42	86.8	<0.02	20	40	0.32	0.81	0.33	1.67	33.7	12.9	7	2.28
JN19042-017		4.54	0.79	0.43	78.0	<0.02	10	50	0.29	1.31	0.30	2.14	28.9	14.2	7	2.18
JN19042-018		3.77	0.61	0.43	74.7	<0.02	10	40	0.30	0.95	0.43	1.99	31.7	13.4	6	2.24
JN19042-019		3.40	1.93	0.40	182.5	0.07	10	40	0.27	4.09	0.25	6.74	27.2	9.7	5	1.94
JN19042-020		3.14	4.14	0.31	453	0.22	20	30	0.20	8.87	0.13	13.10	19.00	6.2	5	1.70
JN19042-020B		2.77	0.01	0.03	0.2	<0.02	<10	10	<0.05	0.02	>25.0	0.03	0.97	0.8	<1	<0.05
JN19042-021		3.05	2.41	0.29	228	0.07	20	30	0.27	4.11	0.15	5.58	25.4	6.9	7	1.93
JN19042-022		3.44	0.99	0.20	134.5	0.04	10	20	0.15	1.86	0.11	2.64	20.6	3.4	6	1.13
JN19042-023		2.53	1.00	0.20	151.0	0.04	10	10	0.15	1.71	0.08	2.82	19.10	4.5	7	1.21
JN19042-024		4.50	0.79	0.18	114.0	0.04	10	10	0.15	1.33	0.11	2.10	17.60	3.7	5	1.04
JN19042-025		4.03	0.62	0.18	120.0	0.03	10	10	0.11	1.17	0.06	1.19	17.55	3.6	6	0.95
JN19042-026		4.06	0.76	0.27	154.0	0.04	10	20	0.24	1.67	0.10	1.83	25.4	7.0	8	1.55

***** 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: 14-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156803

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
JN19042-001		25.9	3.98	6.11	0.06	0.06	<0.01	0.019	0.16	24.1	62.5	0.86	407	0.52	0.01	0.18
JN19042-002		32.4	3.90	5.21	0.05	0.03	<0.01	0.026	0.12	17.4	50.7	0.73	396	0.68	0.01	0.26
JN19042-003		28.1	3.76	5.33	0.05	0.09	<0.01	0.026	0.18	22.7	44.9	0.62	524	1.27	0.08	1.05
JN19042-004		19.3	1.52	1.21	0.05	0.05	0.01	0.099	0.12	32.6	5.3	0.07	94	0.76	<0.01	0.08
JN19042-005		14.7	1.13	0.79	<0.05	0.06	0.01	0.082	0.05	26.9	2.7	0.03	84	1.18	<0.01	0.06
JN19042-006		12.4	0.96	0.79	0.05	0.08	0.02	0.086	0.07	36.0	1.9	0.02	176	0.95	<0.01	0.05
JN19042-007		12.3	1.20	0.98	0.05	0.09	<0.01	0.031	0.14	33.9	2.4	0.03	330	0.64	<0.01	<0.05
JN19042-008		29.6	1.91	1.03	<0.05	0.10	0.01	0.060	0.17	22.1	3.4	0.08	437	0.85	<0.01	<0.05
JN19042-009		47.6	3.02	1.31	<0.05	0.16	<0.01	0.040	0.28	19.9	4.8	0.27	887	0.49	<0.01	<0.05
JN19042-010		39.0	2.49	1.15	<0.05	0.14	0.01	0.023	0.24	19.1	3.9	0.23	504	0.48	<0.01	<0.05
JN19042-010D		37.4	2.42	1.12	<0.05	0.15	<0.01	0.020	0.25	18.9	3.8	0.22	491	0.43	<0.01	<0.05
JN19042-011		53.4	4.16	1.94	<0.05	0.18	<0.01	0.026	0.25	17.7	4.8	0.38	800	0.46	<0.01	<0.05
JN19042-012		54.3	2.37	0.92	<0.05	0.11	<0.01	0.024	0.14	17.2	3.1	0.08	169	0.56	<0.01	<0.05
JN19042-013		76.4	4.79	1.33	<0.05	0.13	0.01	0.037	0.17	16.9	5.5	0.40	1040	0.45	<0.01	<0.05
JN19042-014		66.2	3.30	1.11	<0.05	0.14	0.01	0.090	0.20	16.8	4.7	0.31	606	0.47	0.01	<0.05
JN19042-015		74.4	2.24	0.96	<0.05	0.12	0.02	0.140	0.18	13.8	3.2	0.12	459	0.65	<0.01	<0.05
JN19042-016		52.0	2.70	1.27	<0.05	0.12	0.01	0.064	0.25	17.3	3.9	0.28	487	0.65	<0.01	<0.05
JN19042-017		50.1	3.42	1.16	<0.05	0.13	0.01	0.069	0.28	15.1	3.6	0.39	500	0.64	0.01	<0.05
JN19042-018		56.5	3.29	1.18	<0.05	0.12	0.01	0.076	0.28	16.6	4.1	0.37	560	0.51	<0.01	<0.05
JN19042-019		71.9	3.43	1.16	<0.05	0.13	0.02	0.246	0.26	14.5	4.5	0.19	516	0.52	<0.01	<0.05
JN19042-020		126.5	4.86	1.04	<0.05	0.11	0.04	0.517	0.21	9.7	3.8	0.09	543	0.51	<0.01	<0.05
JN19042-020B		2.5	0.07	0.09	<0.05	<0.02	<0.01	<0.005	0.01	1.1	0.6	0.58	72	<0.05	<0.01	<0.05
JN19042-021		94.3	3.18	0.98	<0.05	0.11	0.02	0.230	0.18	13.3	3.1	0.11	451	0.71	<0.01	<0.05
JN19042-022		43.5	1.72	0.63	<0.05	0.06	0.01	0.106	0.11	10.4	2.1	0.07	271	0.49	<0.01	<0.05
JN19042-023		45.3	1.70	0.62	<0.05	0.06	0.01	0.111	0.11	9.9	1.9	0.06	205	0.85	<0.01	<0.05
JN19042-024		31.6	1.58	0.60	<0.05	0.05	0.01	0.087	0.09	8.8	1.9	0.07	178	0.43	<0.01	<0.05
JN19042-025		30.6	1.60	0.58	<0.05	0.06	0.01	0.050	0.08	8.9	1.5	0.06	179	0.47	<0.01	<0.05
JN19042-026		50.3	2.48	0.90	<0.05	0.09	0.02	0.093	0.14	12.8	2.5	0.13	307	0.73	<0.01	<0.05

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

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Finalized Date: 14-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156803

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
JN19042-001	35.3	470	21.4	8.5	<0.001	0.03	0.54	1.8	<0.2	0.3	16.7	<0.01	0.02	11.8	0.026
JN19042-002	30.4	410	24.5	7.3	<0.001	0.12	0.65	1.5	<0.2	0.4	12.1	<0.01	0.04	9.6	0.013
JN19042-003	35.9	640	24.9	10.0	<0.001	0.07	1.01	1.8	<0.2	0.5	47.0	<0.01	0.02	11.8	0.049
JN19042-004	8.5	270	297	6.9	<0.001	0.08	3.55	0.6	<0.2	11.5	10.2	<0.01	0.02	9.0	<0.005
JN19042-005	6.9	180	494	3.4	<0.001	0.08	3.35	0.4	<0.2	8.0	10.5	<0.01	0.02	7.7	<0.005
JN19042-006	6.2	180	500	3.9	<0.001	0.07	3.36	0.4	<0.2	9.8	10.7	<0.01	0.01	8.7	<0.005
JN19042-007	7.4	240	226	8.3	<0.001	0.05	3.53	0.4	0.2	5.0	7.6	<0.01	0.01	10.0	<0.005
JN19042-008	17.4	430	179.5	10.0	<0.001	0.40	3.61	0.7	0.2	4.2	9.7	<0.01	0.02	13.3	<0.005
JN19042-009	36.9	680	55.7	18.9	<0.001	1.03	2.58	1.3	0.2	2.1	17.4	<0.01	0.01	17.7	<0.005
JN19042-010	32.2	470	31.3	14.5	<0.001	0.82	2.62	1.2	0.2	1.4	14.6	<0.01	0.01	16.4	<0.005
JN19042-010D	30.9	470	30.7	14.7	<0.001	0.82	2.59	1.1	<0.2	1.4	14.7	<0.01	<0.01	16.8	<0.005
JN19042-011	40.2	380	15.9	18.3	<0.001	0.88	3.62	3.4	<0.2	1.6	13.7	<0.01	0.01	15.6	<0.005
JN19042-012	23.2	180	50.5	10.0	<0.001	1.56	5.34	1.1	0.3	1.6	11.2	<0.01	0.01	9.9	<0.005
JN19042-013	32.6	160	45.3	11.3	<0.001	1.39	5.27	3.9	0.4	1.2	8.1	<0.01	0.01	13.6	<0.005
JN19042-014	33.2	470	144.5	11.8	<0.001	1.17	12.00	1.8	0.5	2.3	14.9	<0.01	0.01	14.4	<0.005
JN19042-015	30.5	330	189.5	11.1	<0.001	0.94	18.15	1.2	<0.2	5.7	13.3	<0.01	0.01	14.0	<0.005
JN19042-016	33.3	650	92.3	15.9	<0.001	1.08	10.10	1.4	<0.2	2.6	19.3	<0.01	<0.01	15.2	<0.005
JN19042-017	37.9	480	131.5	15.2	<0.001	1.56	9.51	1.2	<0.2	1.9	18.3	<0.01	0.01	16.1	<0.005
JN19042-018	38.5	660	90.5	15.7	<0.001	1.43	8.86	1.3	<0.2	2.4	24.2	<0.01	<0.01	16.1	<0.005
JN19042-019	39.3	640	311	16.3	<0.001	2.33	14.50	1.2	0.4	3.5	13.6	<0.01	<0.01	14.9	<0.005
JN19042-020	42.0	380	624	14.5	<0.001	4.55	30.6	1.1	0.6	8.7	6.4	<0.01	0.03	11.2	<0.005
JN19042-020B	0.2	70	1.5	0.4	<0.001	0.02	0.12	0.2	0.4	<0.2	91.2	<0.01	0.01	<0.2	<0.005
JN19042-021	30.0	370	280	12.1	<0.001	2.12	27.0	1.4	0.2	9.7	10.0	<0.01	0.02	12.2	<0.005
JN19042-022	16.0	170	118.5	8.0	<0.001	1.08	9.67	0.7	0.2	4.5	6.6	<0.01	<0.01	7.1	<0.005
JN19042-023	15.4	160	126.0	7.8	<0.001	1.04	11.00	0.8	<0.2	4.4	6.0	<0.01	<0.01	8.3	<0.005
JN19042-024	14.5	110	91.7	7.1	<0.001	0.98	7.89	0.8	<0.2	2.5	7.3	<0.01	0.02	6.5	<0.005
JN19042-025	12.9	110	80.7	5.8	<0.001	0.90	7.84	0.8	0.2	2.3	4.5	<0.01	0.01	5.7	<0.005
JN19042-026	24.5	330	113.0	9.1	0.001	1.29	10.75	1.3	<0.2	3.5	6.5	<0.01	<0.01	10.9	<0.005

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

Finalized Date: 14-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156803

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.05	1	0.05	0.05	2	0.5	0.005
JN19042-001		0.08	0.93	18	0.12	4.17	87	3.6	<0.005
JN19042-002		0.09	0.92	16	0.23	3.70	73	1.2	<0.005
JN19042-003		0.11	1.05	20	0.74	4.55	88	6.3	<0.005
JN19042-004		0.07	0.71	4	0.36	2.85	150	2.0	0.009
JN19042-005		0.05	0.63	3	0.60	2.34	95	2.8	0.010
JN19042-006		0.07	0.69	2	0.53	2.59	79	3.4	0.008
JN19042-007		0.07	0.92	2	0.39	2.78	83	3.2	0.006
JN19042-008		0.11	1.28	3	0.51	3.12	106	3.6	0.007
JN19042-009		0.17	2.01	6	0.28	5.63	94	4.8	<0.005
JN19042-010		0.12	1.78	5	0.24	4.52	68	4.5	0.006
JN19042-010D		0.12	1.78	5	0.25	4.50	63	4.5	<0.005
JN19042-011		0.16	1.76	16	0.32	4.98	132	6.2	<0.005
JN19042-012		0.10	0.94	4	0.27	3.07	76	3.4	0.022
JN19042-013		0.25	1.29	15	0.34	5.66	146	4.4	0.006
JN19042-014		0.13	1.62	6	0.32	4.68	388	4.4	0.010
JN19042-015		0.10	1.31	4	0.33	3.54	509	3.5	0.009
JN19042-016		0.14	1.47	5	0.33	5.07	228	3.9	0.007
JN19042-017		0.14	1.56	4	0.28	4.74	271	3.7	0.007
JN19042-018		0.15	1.58	4	0.31	5.91	263	4.1	0.007
JN19042-019		0.16	1.50	4	0.31	5.54	812	4.2	0.079
JN19042-020		0.19	1.10	3	0.43	4.44	1590	3.3	0.234
JN19042-020B		<0.02	0.07	<1	<0.05	2.12	4	<0.5	<0.005
JN19042-021		0.12	1.23	5	0.38	4.52	729	3.3	0.081
JN19042-022		0.08	0.68	3	0.71	2.39	340	2.2	0.039
JN19042-023		0.07	0.72	3	0.74	2.32	365	1.9	0.042
JN19042-024		0.07	0.56	3	0.42	1.97	264	2.0	0.038
JN19042-025		0.17	0.49	3	0.41	2.07	170	2.1	0.037
JN19042-026		0.21	1.09	5	0.38	3.91	258	3.1	0.047

***** 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: 14-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19156803

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	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-AA24	ME-MS41

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CRANBROOK BC V1C 2R7

Finalized Date: 18-JUL-2019
This copy reported on 5-FEB-2020
Account: TELOEX

WH19161494

Project: Justin 2019 RAB Drill Program

P.O. No.: JN2019-1

This report is for 14 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 2-JUL-2019.

The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS41	Ultra Trace Aqua Regia ICP-MS	

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:

Saa Traxler, General Manager, North Vancouver

ALS

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Finalized Date: 18-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19161494

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
JN19043-001		1.99	0.05	1.89	34.1	<0.02	<10	50	0.42	0.28	0.11	0.16	53.6	11.7	32	0.80
JN19043-002		9.30	0.07	2.04	20.4	<0.02	<10	60	0.46	0.24	0.21	0.19	48.2	11.5	30	0.87
JN19043-003		3.44	0.12	2.10	32.3	<0.02	<10	60	0.49	0.49	0.17	0.23	50.5	12.7	32	0.94
JN19043-004		3.54	0.12	2.07	46.4	<0.02	<10	60	0.51	0.46	0.15	0.88	47.6	17.2	32	1.19
JN19043-005		2.48	0.30	2.21	92.3	<0.02	<10	70	0.59	1.85	0.12	0.47	50.2	22.6	32	2.10
JN19043-006		3.13	0.15	1.01	71.6	<0.02	10	70	0.99	1.42	0.18	0.22	50.9	17.6	17	5.15
JN19043-007		4.00	0.86	0.55	1110	<0.02	10	40	0.43	10.10	0.11	0.18	41.1	11.8	12	3.55
JN19043-008		5.99	0.60	0.47	1090	<0.02	10	40	0.29	5.62	0.09	0.57	30.8	6.8	10	2.45
JN19043-009		4.91	0.63	0.39	5230	<0.02	10	30	0.23	6.56	0.17	0.42	25.4	12.8	11	1.75
JN19043-010		2.75	0.08	0.57	239	<0.02	<10	30	0.43	0.76	0.12	0.06	30.5	11.1	16	2.24
JN19043-010D		3.48	0.11	0.59	319	<0.02	<10	30	0.44	1.00	0.12	0.09	30.8	10.0	17	2.24
JN19043-011		4.85	0.14	0.42	48.7	<0.02	<10	20	0.26	0.81	0.26	0.08	25.6	6.3	12	1.80
JN19043-012		4.86	0.09	0.19	62.0	<0.02	<10	10	0.10	0.36	0.15	0.13	15.65	3.1	13	1.04
JN19043-013		6.38	0.13	0.18	289	<0.02	<10	10	0.11	0.76	0.07	0.18	17.45	2.7	12	0.88

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Finalized Date: 18-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19161494

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
JN19043-001		22.2	4.04	5.95	0.06	0.06	<0.01	0.025	0.20	28.1	51.1	0.75	400	0.72	0.02	0.28
JN19043-002		21.3	3.74	6.21	0.06	0.18	<0.01	0.025	0.24	25.4	59.1	0.78	364	0.36	0.02	0.14
JN19043-003		26.0	4.05	6.31	0.07	0.20	<0.01	0.026	0.20	26.4	57.9	0.85	422	0.51	0.03	0.13
JN19043-004		39.2	4.15	5.98	0.07	0.15	<0.01	0.034	0.21	25.5	52.9	0.83	659	0.54	0.03	0.14
JN19043-005		53.1	4.84	6.05	0.06	0.13	0.01	0.043	0.30	23.8	52.5	0.78	1020	0.70	0.03	0.14
JN19043-006		80.1	4.71	2.95	0.06	0.16	<0.01	0.021	0.39	26.0	14.0	0.37	573	0.65	0.02	<0.05
JN19043-007		122.0	3.57	1.82	0.05	0.14	<0.01	0.023	0.27	21.1	8.2	0.22	373	0.87	0.01	<0.05
JN19043-008		91.9	2.95	1.44	<0.05	0.13	0.01	0.056	0.22	15.4	6.7	0.18	460	0.96	0.01	<0.05
JN19043-009		57.7	2.63	1.20	<0.05	0.10	0.01	0.038	0.18	12.7	5.4	0.15	315	0.48	0.01	<0.05
JN19043-010		25.9	2.32	1.99	<0.05	0.13	<0.01	0.018	0.17	15.3	9.3	0.25	427	0.41	0.02	<0.05
JN19043-010D		27.2	2.35	2.24	0.06	0.13	0.01	0.022	0.17	15.2	10.0	0.25	422	0.49	0.02	0.05
JN19043-011		57.6	2.44	1.53	<0.05	0.10	0.01	0.019	0.15	12.9	7.4	0.25	394	0.28	0.02	<0.05
JN19043-012		21.1	1.44	0.61	<0.05	0.05	<0.01	0.017	0.06	7.5	3.7	0.08	230	0.92	0.01	<0.05
JN19043-013		24.9	1.12	0.63	<0.05	0.05	<0.01	0.016	0.07	8.7	2.4	0.05	132	0.39	0.02	<0.05

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CRANBROOK BC V1C 2R7

Finalized Date: 18-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19161494

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
JN19043-001		34.6	420	22.8	12.0	<0.001	<0.01	0.63	1.8	<0.2	0.4	17.3	<0.01	0.03	10.7	0.024
JN19043-002		34.8	870	21.6	14.5	<0.001	0.01	0.51	2.1	<0.2	0.4	25.0	<0.01	0.02	11.2	0.028
JN19043-003		36.9	660	27.9	12.3	<0.001	<0.01	0.56	2.2	<0.2	0.4	23.8	<0.01	0.03	11.4	0.028
JN19043-004		43.3	370	25.5	12.9	<0.001	0.03	0.69	2.7	<0.2	0.7	18.3	<0.01	0.03	11.4	0.023
JN19043-005		48.0	470	51.9	18.3	<0.001	0.18	0.96	2.6	<0.2	1.1	18.4	<0.01	0.03	13.0	0.024
JN19043-006		50.9	600	18.5	26.3	<0.001	0.83	0.97	2.1	<0.2	2.3	15.1	<0.01	0.02	17.4	<0.005
JN19043-007		33.7	320	21.4	20.6	<0.001	1.32	2.17	1.5	0.2	3.0	7.2	<0.01	0.03	12.9	<0.005
JN19043-008		23.0	240	15.2	17.2	<0.001	1.19	2.09	1.3	<0.2	2.5	5.5	<0.01	0.02	10.8	<0.005
JN19043-009		17.6	200	19.4	12.7	<0.001	1.15	3.06	1.2	0.5	1.7	12.0	<0.01	0.05	8.1	<0.005
JN19043-010		22.6	150	4.6	11.2	<0.001	0.40	0.74	1.9	<0.2	0.5	8.9	<0.01	0.01	10.3	0.005
JN19043-010D		22.6	140	5.7	11.3	0.002	0.40	0.80	2.0	<0.2	0.6	9.8	0.01	0.01	9.7	0.006
JN19043-011		19.8	260	4.6	10.9	<0.001	0.75	1.05	1.5	<0.2	0.8	12.6	<0.01	0.01	8.4	<0.005
JN19043-012		7.4	100	9.4	4.4	<0.001	0.32	0.96	0.7	<0.2	0.4	7.4	<0.01	0.01	3.9	<0.005
JN19043-013		6.8	110	8.5	6.1	<0.001	0.36	0.87	0.6	<0.2	0.5	4.0	<0.01	0.01	5.0	<0.005

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

Finalized Date: 18-JUL-2019
Account: TELOEX

Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19161494

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-AA24 Au ppm 0.005
JN19043-001		0.09	0.93	18	0.24	4.28	87	2.2	<0.005
JN19043-002		0.10	0.93	19	0.23	4.75	89	6.2	<0.005
JN19043-003		0.10	0.94	20	0.23	4.62	92	6.7	<0.005
JN19043-004		0.10	0.98	20	0.24	6.09	146	5.4	<0.005
JN19043-005		0.19	1.43	21	0.45	6.26	122	5.5	0.009
JN19043-006		0.27	1.83	12	0.39	7.22	64	6.5	<0.005
JN19043-007		0.23	1.23	5	0.71	4.89	33	4.5	0.009
JN19043-008		0.15	0.93	4	1.88	3.40	67	3.6	0.010
JN19043-009		0.17	0.66	4	0.63	2.81	49	2.9	0.014
JN19043-010		0.18	1.01	10	0.35	4.19	35	4.0	<0.005
JN19043-010D		0.19	1.01	10	0.38	4.21	36	3.8	<0.005
JN19043-011		0.16	0.83	7	0.23	3.78	28	3.2	<0.005
JN19043-012		0.08	0.45	3	0.22	1.71	24	1.3	<0.005
JN19043-013		0.08	0.52	2	0.16	1.65	26	1.2	<0.005

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

ALS Canada Ltd.

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

Finalized Date: 18-JUL-2019
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Project: Justin 2019 RAB Drill Program

CERTIFICATE OF ANALYSIS WH19161494

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	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-AA24	ME-MS41

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Finalized Date: 21-JUL-2019
This copy reported on 5-FEB-2020
Account: TELOEX

WH19161498

Project: Justin 2019 Diamond Drill

P.O. No.: JN2019-1

This report is for 97 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 2-JUL-2019.

The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
PUL-32md	Pulverize 500g-DUP -85%<75um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32m	Pulverize 500g - 85%<75um
BAG-01	Bulk Master for Storage
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22d	Sample login - Rcd w/o BarCode dup

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS41	Ultra Trace Aqua Regia ICP-MS	
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Zn-OG46	Ore Grade Zn - 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:

Saa Traxler, General Manager, North Vancouver

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44 - 12TH AVE SOUTH
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Finalized Date: 21-JUL-2019
Account: TELOEX

Project: Justin 2019 Diamond Drill

CERTIFICATE OF ANALYSIS WH19161498

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
JN19031-001		6.90	0.09	1.24	68.2	0.02	<10	10	1.25	3.62	0.35	<0.01	180.0	6.2	16	3.38
JN19031-002		5.95	0.09	1.05	84.2	<0.02	<10	10	1.29	1.30	0.24	<0.01	153.5	4.7	17	2.40
JN19031-003		5.51	0.07	1.25	59.1	<0.02	<10	20	2.03	1.31	0.25	0.05	113.0	8.8	19	3.16
JN19031-004		4.78	0.45	1.01	82.0	<0.02	<10	80	3.92	1.59	3.42	0.13	150.0	13.9	24	9.69
JN19031-005		7.34	0.16	2.11	51.3	<0.02	<10	50	1.74	5.65	5.27	<0.01	74.4	6.2	30	11.85
JN19031-005S		0.12	3.08	1.11	509	0.46	10	150	0.18	10.35	2.40	0.37	14.50	24.1	32	0.68
JN19031-006		7.50	0.32	0.96	51.8	<0.02	10	30	2.01	1.78	5.21	0.65	83.9	2.3	17	3.99
JN19031-007		5.90	0.12	0.28	489	<0.02	10	20	0.64	0.26	0.94	0.28	3.04	2.0	6	0.72
JN19031-008		5.16	1.17	0.22	968	<0.02	<10	30	0.72	15.45	0.74	0.12	7.18	0.4	6	0.63
JN19031-009		7.19	0.95	0.22	695	<0.02	<10	30	0.67	2.65	0.56	1.24	9.22	0.8	6	0.79
JN19031-010		5.19	0.25	0.22	423	<0.02	<10	30	0.63	1.14	0.78	0.26	2.04	0.2	6	0.66
JN19031-011		6.56	2.05	0.24	981	<0.02	<10	40	0.59	22.0	0.61	2.07	2.17	2.7	7	0.84
JN19031-012		6.45	0.45	0.21	2980	<0.02	<10	20	0.85	3.73	0.76	0.32	3.59	17.6	8	1.47
JN19031-012D		<0.02	0.49	0.28	2860	0.02	<10	30	0.90	4.37	0.76	0.32	3.82	17.4	8	1.54
JN19031-013		7.28	0.04	0.23	26.3	<0.02	10	20	0.88	0.06	1.02	0.04	5.12	0.2	7	1.46
JN19031-014		6.17	0.08	0.28	217	<0.02	10	20	1.13	0.09	1.54	0.09	19.10	1.4	5	1.59
JN19031-014B		6.94	<0.01	0.02	0.4	<0.02	<10	10	<0.05	0.01	>25.0	0.01	0.80	0.2	1	<0.05
JN19031-015		5.13	0.27	1.16	575	<0.02	10	20	2.06	3.95	1.19	<0.01	105.0	28.2	21	7.77
JN19031-016		2.34	0.04	2.71	77.0	<0.02	10	70	1.78	0.33	2.03	0.03	37.0	15.7	36	11.90
JN19031-017		4.75	0.09	1.85	>10000	0.08	<10	40	0.55	7.53	1.04	0.04	29.1	276	31	4.00
JN19031-018		5.82	0.02	1.31	39.5	<0.02	<10	20	0.27	0.16	0.27	0.03	44.9	1.9	27	3.06
JN19031-019		7.25	0.09	1.27	37.0	<0.02	<10	20	0.32	0.16	0.72	0.03	40.9	3.6	20	2.93
JN19031-020		6.38	0.02	3.47	46.9	<0.02	<10	70	1.14	0.24	1.39	0.02	41.2	9.7	41	13.25
JN19031-021		6.15	0.04	2.18	47.5	<0.02	<10	40	0.76	0.23	0.75	0.03	55.8	8.0	30	6.86
JN19031-022		5.77	0.02	2.51	30.8	<0.02	<10	50	0.78	0.09	0.66	0.03	65.2	4.7	34	7.19
JN19031-023		6.08	0.04	1.16	11.4	<0.02	<10	20	0.32	0.17	0.17	0.12	93.0	0.7	23	1.92
JN19031-024		6.69	0.03	0.64	31.8	<0.02	<10	10	0.20	0.08	0.14	0.01	84.3	0.4	21	0.81
JN19031-025		7.15	0.07	0.72	75.3	<0.02	<10	10	0.23	0.58	0.10	0.20	65.9	0.4	26	1.04
JN19031-026		6.68	0.05	0.96	0.9	<0.02	<10	<10	0.18	0.14	0.49	0.06	6.05	0.2	25	0.69
JN19031-027		6.49	0.14	0.49	37.3	<0.02	<10	10	0.22	0.28	0.71	0.42	8.06	0.2	21	0.82
JN19031-028		4.51	0.60	0.52	2540	0.03	<10	10	0.20	11.75	0.24	0.56	17.20	0.2	20	0.79
JN19031-029		3.55	0.09	0.57	77.3	<0.02	<10	10	0.23	0.60	0.06	0.12	59.7	0.4	23	0.67
JN19031-030		4.53	0.08	0.70	139.5	<0.02	<10	10	0.30	0.43	0.08	0.08	55.1	0.3	22	0.82
JN19031-031		4.37	0.24	1.14	703	<0.02	<10	10	0.28	1.88	0.06	<0.01	30.8	1.1	22	0.71
JN19031-032		3.58	0.92	0.33	2210	0.02	<10	<10	0.13	3.20	0.05	0.23	3.70	1.4	21	0.39
JN19031-033		4.50	0.35	0.21	6500	<0.02	<10	10	0.10	2.71	0.06	0.19	6.79	4.9	22	0.52
JN19031-034		3.98	0.21	0.48	826	<0.02	<10	30	0.22	0.51	0.09	0.34	84.0	1.9	16	1.17
JN19031-035		3.58	0.09	0.82	101.0	<0.02	<10	30	0.40	0.31	0.10	0.11	47.0	4.0	19	2.43
JN19031-036		4.40	0.32	0.76	72.1	<0.02	<10	20	0.24	0.64	0.07	0.31	34.6	2.3	20	1.90
JN19031-036D		<0.02	0.28	0.79	70.8	<0.02	<10	20	0.24	0.53	0.07	0.28	34.8	2.3	22	1.89

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CERTIFICATE OF ANALYSIS WH19161498

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
JN19031-001		18.8	1.49	4.44	0.16	0.27	0.02	0.409	0.08	95.2	10.6	0.04	88	0.08	<0.01	<0.05
JN19031-002		22.5	2.46	3.85	0.13	0.28	0.01	0.391	0.07	81.6	8.3	0.12	302	0.12	0.01	<0.05
JN19031-003		27.5	2.58	4.35	0.10	0.18	<0.01	0.332	0.13	58.8	12.6	0.15	324	0.34	0.01	<0.05
JN19031-004		42.3	2.50	4.19	0.13	0.14	<0.01	0.509	0.08	80.2	5.9	0.23	593	0.38	0.01	<0.05
JN19031-005		47.9	1.89	7.39	0.11	0.16	<0.01	0.295	0.09	38.4	24.1	0.42	429	0.12	0.22	0.32
JN19031-005S		5230	3.22	3.62	<0.05	0.15	0.15	0.081	0.18	8.4	5.9	0.40	552	462	0.11	0.17
JN19031-006		38.9	1.98	3.74	0.09	0.16	<0.01	0.315	0.25	41.2	11.1	0.58	656	0.71	0.08	0.09
JN19031-007		14.9	0.54	0.95	<0.05	0.32	<0.01	0.057	0.14	1.3	0.5	0.01	120	1.35	0.06	0.24
JN19031-008		13.9	0.53	0.73	<0.05	0.28	<0.01	0.029	0.13	2.9	0.3	<0.01	103	0.43	0.05	0.24
JN19031-009		43.9	0.99	0.70	<0.05	0.26	0.01	0.213	0.12	3.5	0.4	0.01	86	0.42	0.04	0.17
JN19031-010		9.6	0.48	0.67	<0.05	0.27	<0.01	0.034	0.12	0.7	0.4	0.01	90	0.32	0.04	0.18
JN19031-011		203	1.50	0.71	<0.05	0.37	0.01	0.516	0.16	0.8	0.6	<0.01	105	0.53	0.04	0.23
JN19031-012		45.3	0.71	0.70	<0.05	0.28	<0.01	0.102	0.10	1.4	0.8	0.01	58	0.37	0.05	0.22
JN19031-012D		42.6	0.88	1.00	<0.05	0.31	0.01	0.096	0.13	1.5	1.2	0.01	77	0.48	0.07	0.21
JN19031-013		4.3	0.34	0.87	<0.05	0.32	0.01	<0.005	0.11	2.3	0.6	<0.01	52	0.33	0.06	0.37
JN19031-014		12.8	0.40	1.13	<0.05	0.27	<0.01	0.012	0.14	9.0	0.7	0.01	76	0.29	0.06	0.30
JN19031-014B		0.4	0.05	0.07	<0.05	<0.02	<0.01	<0.005	0.01	1.1	0.5	0.54	62	<0.05	0.01	<0.05
JN19031-015		130.0	3.69	5.88	0.10	0.20	0.02	0.314	0.41	53.7	29.5	0.52	341	0.26	0.04	0.09
JN19031-016		51.1	3.32	9.93	0.06	0.24	<0.01	0.027	0.64	20.2	54.3	0.82	193	0.36	0.18	0.15
JN19031-017		20.3	4.55	6.95	0.05	0.21	<0.01	0.038	0.31	14.5	56.8	0.88	268	1.21	0.04	0.10
JN19031-018		4.3	1.04	4.87	0.07	0.19	<0.01	0.073	0.09	21.7	28.9	0.59	114	0.22	0.08	0.06
JN19031-019		33.0	1.43	4.41	0.06	0.19	<0.01	0.123	0.12	20.3	24.8	0.68	159	0.63	0.08	0.11
JN19031-020		24.9	2.28	10.60	0.08	0.25	<0.01	0.025	0.83	21.2	45.4	0.98	132	0.30	0.30	0.13
JN19031-021		24.8	1.87	7.02	0.08	0.20	<0.01	0.039	0.34	29.8	38.0	0.67	165	0.29	0.17	0.08
JN19031-022		5.3	1.42	8.20	0.08	0.29	<0.01	0.039	0.27	32.9	47.0	0.81	114	0.30	0.15	0.10
JN19031-023		7.7	1.62	5.05	0.09	0.13	<0.01	0.072	0.12	45.6	30.4	0.70	164	0.20	0.06	<0.05
JN19031-024		7.6	1.19	3.10	0.07	0.10	<0.01	0.058	0.05	40.1	17.3	0.44	141	0.23	0.03	<0.05
JN19031-025		17.1	1.48	3.33	0.07	0.08	0.01	0.108	0.08	31.3	19.6	0.47	179	0.27	0.03	<0.05
JN19031-026		7.9	1.74	4.10	0.07	0.09	<0.01	0.054	0.03	2.8	30.4	0.80	233	0.23	0.03	<0.05
JN19031-027		18.0	1.09	2.19	<0.05	0.12	<0.01	0.095	0.08	3.8	12.1	0.29	167	0.27	0.04	<0.05
JN19031-028		48.6	1.76	2.24	<0.05	0.08	0.01	0.125	0.09	8.0	14.3	0.27	163	0.21	0.03	<0.05
JN19031-029		19.6	1.39	2.59	0.06	0.08	<0.01	0.075	0.06	28.6	16.6	0.37	192	0.25	0.03	<0.05
JN19031-030		15.6	1.53	2.95	0.07	0.08	0.01	0.112	0.09	26.9	20.5	0.48	262	0.17	0.03	<0.05
JN19031-031		45.5	2.97	4.70	0.05	0.07	0.01	0.100	0.08	14.7	36.0	0.71	359	0.24	0.03	<0.05
JN19031-032		79.9	1.89	1.41	<0.05	0.05	<0.01	0.111	0.04	1.8	9.5	0.18	144	0.23	0.02	<0.05
JN19031-033		73.5	1.48	0.83	<0.05	0.04	<0.01	0.113	0.06	3.2	3.7	0.07	127	0.38	0.02	<0.05
JN19031-034		14.7	0.86	2.17	0.07	0.09	0.01	0.068	0.15	42.1	8.0	0.17	112	0.17	0.04	<0.05
JN19031-035		28.2	1.30	3.09	<0.05	0.12	<0.01	0.048	0.25	23.8	15.9	0.25	172	0.22	0.03	<0.05
JN19031-036		78.1	1.36	3.00	0.05	0.13	<0.01	0.146	0.15	17.4	17.8	0.35	175	0.15	0.04	<0.05
JN19031-036D		79.4	1.43	3.23	<0.05	0.14	<0.01	0.158	0.16	17.1	18.1	0.34	180	0.22	0.04	<0.05

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Project: Justin 2019 Diamond Drill

CERTIFICATE OF ANALYSIS WH19161498

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
JN19031-001		43.6	1360	4.5	9.0	<0.001	1.10	13.90	6.1	0.2	24.9	13.8	<0.01	0.03	25.1	<0.005
JN19031-002		50.6	700	4.2	7.8	0.001	0.81	10.75	13.4	<0.2	22.6	11.1	<0.01	0.01	23.7	<0.005
JN19031-003		41.0	490	5.5	11.0	0.001	0.65	5.64	7.9	0.2	13.3	11.9	<0.01	0.01	21.1	<0.005
JN19031-004		48.8	790	8.7	8.1	<0.001	0.11	2.77	11.4	<0.2	26.7	50.0	<0.01	0.03	26.6	<0.005
JN19031-005		41.5	630	8.3	12.1	<0.001	0.38	1.45	5.1	0.3	26.2	136.0	0.01	0.02	17.1	0.095
JN19031-005S		26.4	590	10.6	6.0	0.403	0.50	5.04	2.2	1.3	2.1	180.0	<0.01	1.28	1.5	0.067
JN19031-006		20.7	650	15.2	25.1	<0.001	0.41	1.64	8.5	0.3	28.5	112.0	<0.01	0.01	17.6	0.015
JN19031-007		2.5	200	11.6	8.1	<0.001	0.08	0.51	0.4	<0.2	4.2	71.1	<0.01	0.03	8.1	<0.005
JN19031-008		1.1	190	64.6	6.4	<0.001	0.17	1.72	0.6	<0.2	1.3	65.6	<0.01	0.02	8.5	<0.005
JN19031-009		0.9	180	70.7	5.8	<0.001	0.67	1.13	0.7	<0.2	0.7	40.5	<0.01	0.01	8.6	<0.005
JN19031-010		0.7	190	19.6	5.8	<0.001	0.10	0.82	0.4	<0.2	1.2	51.4	<0.01	<0.01	8.2	<0.005
JN19031-011		1.2	190	106.0	7.3	<0.001	1.22	2.50	0.4	0.3	1.2	42.9	<0.01	0.02	8.7	<0.005
JN19031-012		4.1	200	25.3	5.6	<0.001	0.32	2.72	0.6	0.4	3.0	53.1	<0.01	0.12	8.7	<0.005
JN19031-012D		4.3	190	26.4	7.0	<0.001	0.32	2.72	0.6	0.4	3.5	55.6	<0.01	0.11	9.1	<0.005
JN19031-013		<0.2	200	5.4	5.8	<0.001	<0.01	0.55	0.6	0.2	0.3	51.8	<0.01	<0.01	8.5	<0.005
JN19031-014		0.3	200	8.4	7.7	<0.001	0.01	0.55	0.8	<0.2	0.2	83.4	<0.01	<0.01	8.8	<0.005
JN19031-014B		<0.2	80	<0.2	0.5	<0.001	<0.01	<0.05	0.2	1.5	<0.2	91.7	<0.01	<0.01	<0.2	<0.005
JN19031-015		45.9	590	16.4	56.3	<0.001	1.72	2.42	8.2	0.4	19.9	39.4	<0.01	0.01	18.7	<0.005
JN19031-016		36.1	480	3.4	70.3	<0.001	0.70	0.77	6.1	<0.2	2.5	70.2	<0.01	0.02	18.5	0.071
JN19031-017		76.9	250	5.3	29.4	<0.001	1.10	8.69	2.6	2.8	3.5	28.1	<0.01	1.50	11.7	0.014
JN19031-018		11.7	320	3.8	7.8	<0.001	0.03	0.87	3.8	<0.2	12.8	26.3	<0.01	<0.01	16.0	0.023
JN19031-019		13.9	1890	2.9	9.7	<0.001	0.13	0.58	2.2	<0.2	9.1	42.2	<0.01	<0.01	10.6	0.022
JN19031-020		28.3	480	2.6	87.8	<0.001	0.35	0.97	6.5	<0.2	5.3	102.5	<0.01	0.03	15.2	0.091
JN19031-021		22.5	390	4.1	33.6	<0.001	0.27	1.13	4.3	0.2	7.6	61.6	<0.01	0.01	14.7	0.040
JN19031-022		24.7	600	4.2	27.0	<0.001	0.05	0.88	5.5	<0.2	8.1	64.5	<0.01	0.01	19.3	0.042
JN19031-023		8.8	520	2.4	9.7	<0.001	0.11	0.46	3.8	<0.2	6.5	13.5	<0.01	<0.01	14.5	<0.005
JN19031-024		3.5	210	1.7	4.0	<0.001	0.01	0.22	1.9	<0.2	6.3	7.4	<0.01	<0.01	12.1	0.008
JN19031-025		3.9	230	3.2	6.8	<0.001	0.10	0.49	2.6	<0.2	11.7	5.6	<0.01	<0.01	15.2	0.006
JN19031-026		5.3	470	2.4	3.2	<0.001	0.02	0.12	2.7	<0.2	4.2	7.8	<0.01	<0.01	12.3	<0.005
JN19031-027		2.6	480	6.3	7.1	<0.001	0.04	0.35	1.6	<0.2	7.3	15.4	<0.01	<0.01	12.5	<0.005
JN19031-028		2.7	230	38.1	7.2	<0.001	0.56	7.51	2.6	0.3	13.8	8.0	<0.01	<0.01	10.9	<0.005
JN19031-029		3.3	130	5.9	5.3	<0.001	0.09	0.62	3.1	<0.2	6.9	4.9	<0.01	<0.01	10.8	<0.005
JN19031-030		4.2	180	3.9	7.3	<0.001	0.07	0.87	5.0	<0.2	6.9	5.2	<0.01	<0.01	10.0	<0.005
JN19031-031		4.9	100	7.1	6.9	<0.001	0.48	1.64	5.0	<0.2	16.2	3.6	<0.01	<0.01	8.9	<0.005
JN19031-032		3.1	110	34.4	3.3	<0.001	0.90	3.73	2.1	0.2	10.8	2.6	<0.01	0.02	11.3	<0.005
JN19031-033		2.5	110	12.9	5.2	<0.001	0.42	8.08	0.5	0.7	7.3	3.0	<0.01	0.06	8.1	<0.005
JN19031-034		3.6	220	30.7	11.6	<0.001	0.07	0.84	2.0	0.2	5.2	7.3	<0.01	<0.01	19.6	<0.005
JN19031-035		16.7	190	5.8	19.5	<0.001	0.23	0.64	4.0	0.2	3.2	9.6	<0.01	<0.01	14.2	0.005
JN19031-036		7.9	140	8.8	13.6	<0.001	0.23	0.70	3.8	<0.2	5.3	7.1	<0.01	<0.01	11.5	0.005
JN19031-036D		8.4	140	8.4	14.0	<0.001	0.23	0.68	3.8	<0.2	5.6	7.4	<0.01	<0.01	11.0	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: 21-JUL-2019
Account: TELOEX

Project: Justin 2019 Diamond Drill

CERTIFICATE OF ANALYSIS WH19161498

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	Zn-OG46 Zn % 0.001	Au-AA24 Au ppm 0.005
JN19031-001		0.38	1.84	17	0.39	23.9	32	9.0		0.019
JN19031-002		0.41	2.18	31	0.62	18.80	29	8.9		0.007
JN19031-003		0.25	1.96	24	0.40	16.25	33	6.6		0.009
JN19031-004		0.11	2.69	34	0.38	28.1	60	4.0		<0.005
JN19031-005		0.06	1.84	29	0.38	15.05	25	3.2		0.006
JN19031-005S		0.05	1.52	39	4.85	5.70	44	3.9		0.483
JN19031-006		0.15	1.93	21	0.23	21.2	120	5.1		<0.005
JN19031-007		0.04	6.36	<1	0.19	6.36	42	5.0		<0.005
JN19031-008		0.03	5.12	<1	0.22	5.22	18	4.3		0.014
JN19031-009		0.03	5.94	<1	0.22	5.29	187	4.1		0.010
JN19031-010		0.03	5.76	<1	0.14	5.28	39	4.6		0.005
JN19031-011		0.04	6.11	<1	0.11	5.27	284	5.9		0.014
JN19031-012		0.03	5.28	<1	0.11	6.13	37	4.8		0.017
JN19031-012D		0.03	5.44	<1	0.12	6.36	34	5.4		0.016
JN19031-013		0.02	4.87	<1	0.13	6.92	10	5.0		<0.005
JN19031-014		0.03	5.32	<1	0.13	8.59	11	4.5		<0.005
JN19031-014B		<0.02	0.06	<1	<0.05	2.21	<2	<0.5		<0.005
JN19031-015		0.70	4.05	25	0.91	19.85	26	9.7		<0.005
JN19031-016		0.53	1.98	35	0.19	11.50	26	9.0		<0.005
JN19031-017		0.26	1.33	21	0.10	8.50	58	7.9		0.085
JN19031-018		0.06	1.06	25	0.05	8.05	16	6.4		<0.005
JN19031-019		0.07	1.14	14	0.15	9.16	19	6.7		<0.005
JN19031-020		0.57	1.41	35	0.10	8.67	18	8.3		<0.005
JN19031-021		0.22	1.32	24	0.05	12.85	21	6.7		<0.005
JN19031-022		0.17	1.65	33	0.06	10.65	18	9.5		<0.005
JN19031-023		0.07	0.81	22	<0.05	8.38	27	5.2		<0.005
JN19031-024		0.03	0.55	13	0.06	5.07	13	2.8		<0.005
JN19031-025		0.05	0.63	15	0.06	5.73	31	3.1		<0.005
JN19031-026		0.02	0.53	27	<0.05	3.67	22	2.9		<0.005
JN19031-027		0.05	0.64	9	0.05	4.00	50	3.5		<0.005
JN19031-028		0.06	0.56	14	0.05	3.39	76	2.9		0.028
JN19031-029		0.04	0.50	16	<0.05	5.62	23	3.1		<0.005
JN19031-030		0.06	0.60	24	<0.05	8.39	21	3.7		<0.005
JN19031-031		0.05	0.46	25	0.06	5.62	22	3.1		0.005
JN19031-032		0.02	0.59	12	0.14	2.34	32	1.9		0.017
JN19031-033		0.04	0.44	2	<0.05	1.92	28	1.5		0.013
JN19031-034		0.10	0.97	9	<0.05	5.96	51	3.4		<0.005
JN19031-035		0.14	1.03	15	<0.05	7.92	21	5.4		<0.005
JN19031-036		0.14	0.82	16	0.07	6.37	42	4.4		<0.005
JN19031-036D		0.14	0.80	16	0.07	6.32	40	4.5		<0.005

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

Finalized Date: 21-JUL-2019
Account: TELOEX

Project: Justin 2019 Diamond Drill

CERTIFICATE OF ANALYSIS WH19161498

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
JN19031-037		4.00	0.09	0.50	25.0	<0.02	<10	<10	0.11	0.20	0.05	0.20	55.4	0.2	19	0.44
JN19031-038		3.86	0.59	1.17	1240	<0.02	<10	30	0.51	1.37	0.19	0.31	51.4	8.9	31	3.24
JN19031-039		4.67	0.09	1.26	52.2	<0.02	<10	30	0.38	0.25	0.37	0.07	27.5	2.2	25	2.97
JN19031-040		4.08	0.14	0.80	3800	<0.02	<10	20	0.28	2.47	0.16	0.14	43.2	1.8	26	2.25
JN19031-040B		4.92	<0.01	0.01	5.5	<0.02	<10	10	<0.05	0.16	>25.0	0.01	0.90	0.2	1	<0.05
JN19031-041		4.80	0.04	2.13	146.0	<0.02	<10	60	0.71	0.36	0.39	0.01	58.4	13.9	37	9.59
JN19031-042		6.82	0.02	2.07	72.8	<0.02	<10	70	0.69	0.38	0.55	0.02	48.1	13.8	34	13.20
JN19031-043		6.36	0.03	2.02	52.3	<0.02	<10	50	0.72	0.39	0.63	0.03	53.0	8.6	35	8.38
JN19031-044		5.45	0.20	0.53	2160	0.02	<10	10	0.19	7.92	0.14	0.09	43.2	7.5	22	0.99
JN19031-045		3.71	0.05	0.70	29.7	<0.02	<10	30	0.32	0.17	0.12	0.05	44.8	2.8	27	2.43
JN19031-045S		0.12	13.80	1.07	464	0.40	10	150	0.15	13.50	2.82	0.40	13.60	20.1	32	0.62
JN19031-046		5.91	0.08	1.31	69.7	<0.02	<10	40	0.66	0.42	0.22	0.13	59.6	7.5	24	4.49
JN19031-047		6.48	0.02	1.45	26.2	<0.02	<10	50	0.71	0.32	1.05	0.02	46.3	10.4	23	6.83
JN19031-048		6.74	0.03	1.12	39.2	<0.02	<10	40	0.70	0.23	1.48	0.01	50.1	8.9	20	5.38
JN19031-049		6.43	0.03	0.77	71.5	<0.02	<10	20	0.57	0.19	1.46	0.04	61.1	3.4	21	3.27
JN19031-050		4.31	0.03	0.50	74.0	<0.02	<10	<10	0.22	0.04	1.41	0.01	20.1	0.8	20	0.64
JN19031-051		4.27	0.59	0.70	1620	<0.02	<10	<10	0.20	1.38	1.60	0.98	37.9	6.2	21	0.89
JN19031-052		6.68	0.03	0.68	7.5	<0.02	<10	10	0.37	0.06	1.74	0.02	48.0	0.7	22	1.46
JN19031-053		6.96	0.04	0.56	10.5	<0.02	<10	10	0.21	0.25	1.62	0.02	39.8	1.1	21	1.22
JN19031-054		6.30	0.03	0.26	1.4	<0.02	<10	<10	0.11	0.07	0.61	0.04	28.9	0.7	16	0.71
JN19031-055		3.68	0.07	0.78	27.8	<0.02	<10	20	0.34	0.50	0.49	0.08	34.3	3.1	20	2.61
JN19031-056		4.07	0.06	0.63	95.5	<0.02	<10	<10	0.26	0.15	0.09	0.03	29.7	1.5	21	0.79
JN19031-057		5.98	0.79	0.57	28.1	<0.02	<10	10	0.18	1.63	0.16	0.54	72.8	0.9	22	0.68
JN19031-058		5.99	0.03	0.54	5.7	<0.02	<10	<10	0.23	0.05	1.52	0.02	85.3	0.5	20	0.64
JN19031-059		6.48	0.03	0.58	1.8	<0.02	<10	10	0.30	0.07	1.94	0.03	124.5	0.5	19	0.85
JN19031-060		6.49	0.04	0.89	17.0	<0.02	<10	10	0.23	0.12	1.91	<0.01	83.4	1.6	20	2.13
JN19031-061		6.07	0.03	1.00	16.1	<0.02	<10	20	0.49	0.13	2.08	0.02	45.2	2.9	26	3.29
JN19031-062		6.75	0.14	1.05	293	<0.02	<10	20	0.56	1.41	1.94	0.06	58.6	3.1	24	3.43
JN19031-063		7.01	0.05	0.52	31.1	<0.02	<10	10	0.19	0.30	1.98	0.02	20.3	0.9	20	0.66
JN19031-064		6.36	0.05	0.42	771	<0.02	<10	<10	0.14	0.37	2.22	0.01	10.00	0.8	22	0.38
JN19031-065		6.52	0.13	0.63	330	<0.02	<10	10	0.36	0.40	2.21	0.03	34.1	2.0	19	1.14
JN19031-066		6.76	0.03	0.73	243	<0.02	<10	20	0.38	0.15	2.09	0.02	50.1	2.7	23	1.85
JN19031-067		2.58	0.03	0.45	72.1	<0.02	<10	10	0.28	0.07	1.94	0.03	36.5	1.3	22	1.33
JN19031-068		5.80	0.04	0.42	29.6	<0.02	<10	10	0.29	0.18	1.89	0.14	39.6	0.9	15	1.25
JN19031-069		6.69	0.44	1.02	654	<0.02	<10	20	0.92	11.15	5.14	0.91	41.3	8.3	18	2.65
JN19031-070		6.99	0.09	1.45	113.0	<0.02	<10	40	1.06	1.48	2.94	0.09	59.5	11.0	20	4.60
JN19031-071		4.59	0.13	2.04	21.0	<0.02	<10	40	0.90	0.47	0.75	0.02	33.5	19.1	26	5.97
JN19031-072		4.35	0.03	1.81	2.0	<0.02	<10	50	1.21	0.46	0.36	0.01	24.9	21.6	31	4.23
JN19031-073		7.30	0.04	1.80	4.9	<0.02	<10	40	1.06	0.51	0.74	0.01	43.1	18.5	27	4.04
JN19031-073S		0.12	13.25	1.03	442	0.53	10	140	0.14	13.80	2.70	0.43	13.15	20.7	31	0.61

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
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SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 21-JUL-2019
Account: TELOEX

Project: Justin 2019 Diamond Drill

CERTIFICATE OF ANALYSIS WH19161498

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
JN19031-037		13.6	1.26	2.57	0.06	0.06	<0.01	0.076	0.04	26.2	15.4	0.29	172	0.19	0.02	<0.05
JN19031-038		155.0	1.85	4.34	0.06	0.17	0.01	0.202	0.18	25.1	21.1	0.42	193	0.26	0.07	0.08
JN19031-039		19.1	1.47	5.18	0.06	0.21	<0.01	0.098	0.14	13.6	29.4	0.87	172	0.19	0.06	0.06
JN19031-040		10.4	1.31	3.15	0.06	0.12	<0.01	0.066	0.08	21.2	18.4	0.43	114	0.20	0.07	<0.05
JN19031-040B		<0.2	0.06	0.06	<0.05	<0.02	<0.01	<0.005	<0.01	1.1	0.6	0.78	88	<0.05	0.01	<0.05
JN19031-041		17.7	2.85	7.64	0.06	0.23	<0.01	0.024	0.60	30.5	47.2	0.75	217	0.36	0.10	0.11
JN19031-042		22.4	3.06	7.13	0.06	0.27	<0.01	0.027	0.80	25.8	54.4	0.72	192	0.42	0.08	0.18
JN19031-043		12.7	2.19	7.23	0.06	0.27	<0.01	0.064	0.43	27.0	39.8	0.61	196	0.32	0.12	0.16
JN19031-044		8.1	1.18	2.36	0.05	0.09	<0.01	0.053	0.06	21.6	15.7	0.32	132	0.28	0.04	<0.05
JN19031-045		11.3	1.11	2.71	0.05	0.13	<0.01	0.045	0.16	22.5	20.4	0.36	113	0.31	0.03	<0.05
JN19031-045S		7810	3.14	3.37	0.05	0.12	0.33	0.088	0.17	7.6	5.1	0.34	593	547	0.11	0.22
JN19031-046		21.8	1.92	4.83	0.07	0.21	<0.01	0.044	0.27	30.1	38.0	0.56	152	1.24	0.04	<0.05
JN19031-047		18.1	2.24	4.91	<0.05	0.32	<0.01	0.024	0.35	24.6	37.4	0.58	106	0.78	0.04	0.07
JN19031-048		13.3	1.90	4.24	0.05	0.24	<0.01	0.021	0.30	26.2	27.0	0.50	109	0.52	0.04	<0.05
JN19031-049		6.5	0.91	3.16	0.05	0.22	<0.01	0.027	0.17	30.9	15.7	0.34	107	0.37	0.06	<0.05
JN19031-050		5.0	0.93	2.26	0.09	0.07	<0.01	0.049	0.02	10.0	14.7	0.51	161	0.30	0.02	<0.05
JN19031-051		6.5	1.47	2.99	0.07	0.06	<0.01	0.164	0.04	19.6	20.2	0.54	223	0.32	0.03	<0.05
JN19031-052		3.2	0.80	2.94	0.06	0.12	<0.01	0.047	0.08	22.9	16.0	0.42	149	0.23	0.05	0.06
JN19031-053		8.2	0.94	2.61	0.11	0.15	<0.01	0.081	0.06	19.0	15.0	0.48	157	0.23	0.03	0.12
JN19031-054		5.1	1.03	1.71	0.08	0.14	<0.01	0.149	<0.01	13.3	4.2	0.14	208	0.24	0.04	0.33
JN19031-055		11.1	1.09	3.09	0.05	0.11	<0.01	0.056	0.13	16.8	14.7	0.23	173	0.28	0.06	0.10
JN19031-056		7.9	1.15	3.13	0.09	0.10	<0.01	0.060	0.04	14.6	20.5	0.59	198	0.26	0.03	<0.05
JN19031-057		10.3	1.00	2.82	0.09	0.07	<0.01	0.132	0.04	35.8	19.8	0.47	126	0.23	0.03	<0.05
JN19031-058		5.0	0.95	2.63	0.08	0.06	<0.01	0.038	0.03	41.0	17.7	0.49	179	0.22	0.02	<0.05
JN19031-059		5.9	0.95	3.04	0.13	0.08	<0.01	0.053	0.05	61.4	20.5	0.51	179	0.33	0.02	<0.05
JN19031-060		10.0	1.22	3.77	0.10	0.11	<0.01	0.041	0.06	41.0	26.4	0.65	192	0.24	0.04	0.05
JN19031-061		8.4	0.97	3.68	0.06	0.19	<0.01	0.026	0.13	22.8	24.0	0.41	139	0.27	0.07	0.10
JN19031-062		44.9	1.30	4.33	0.08	0.23	<0.01	0.083	0.16	28.5	29.5	0.53	168	0.23	0.06	0.09
JN19031-063		12.7	0.83	2.46	0.09	0.13	<0.01	0.055	0.04	9.9	17.7	0.53	146	0.24	0.02	0.07
JN19031-064		9.2	0.87	2.19	0.11	0.09	<0.01	0.065	0.01	4.5	14.8	0.48	165	0.23	0.03	0.10
JN19031-065		7.6	0.91	2.93	0.05	0.14	<0.01	0.043	0.09	16.8	20.1	0.50	217	0.24	0.03	<0.05
JN19031-066		9.1	0.92	3.06	0.05	0.15	<0.01	0.040	0.08	24.6	19.5	0.44	192	0.22	0.05	0.11
JN19031-067		4.9	0.65	2.19	0.07	0.08	<0.01	0.040	0.04	17.8	16.0	0.34	145	0.22	0.04	0.15
JN19031-068		5.9	0.82	1.98	<0.05	0.09	<0.01	0.081	0.07	19.4	12.9	0.29	208	0.20	0.03	<0.05
JN19031-069		51.9	3.97	4.05	0.05	0.18	<0.01	0.615	0.15	21.3	28.9	0.62	944	0.20	0.03	<0.05
JN19031-070		46.8	3.24	5.17	0.05	0.22	<0.01	0.108	0.23	33.3	40.8	0.72	370	0.36	0.02	<0.05
JN19031-071		55.0	3.69	6.76	0.05	0.19	<0.01	0.027	0.30	17.4	61.7	1.16	474	0.15	0.02	0.07
JN19031-072		2.8	4.32	5.63	<0.05	0.13	<0.01	0.021	0.24	12.9	54.2	0.99	566	0.14	0.03	0.05
JN19031-073		23.2	3.77	5.67	0.05	0.13	<0.01	0.024	0.25	22.6	53.4	0.97	514	0.19	0.02	0.05
JN19031-073S		7410	2.99	3.42	<0.05	0.14	0.32	0.094	0.17	7.6	5.1	0.33	572	519	0.10	0.23

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

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
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SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 21-JUL-2019
Account: TELOEX

Project: Justin 2019 Diamond Drill

CERTIFICATE OF ANALYSIS WH19161498

Sample Description	Method / Analyte / Units / LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
JN19031-037		2.0	120	3.9	3.2	<0.001	0.02	0.13	2.8	<0.2	4.2	3.3	<0.01	<0.01	10.5	<0.005
JN19031-038		16.4	320	10.8	14.0	<0.001	0.53	2.38	4.3	<0.2	10.5	15.6	<0.01	0.01	16.3	0.008
JN19031-039		8.9	1150	3.6	14.0	<0.001	0.16	0.70	4.2	<0.2	11.7	17.3	<0.01	<0.01	12.5	0.014
JN19031-040		7.1	370	7.1	6.9	<0.001	0.28	4.47	3.6	0.2	7.6	12.5	<0.01	0.02	11.3	0.006
JN19031-040B		<0.2	60	<0.2	0.2	<0.001	<0.01	<0.05	0.1	1.4	<0.2	82.9	<0.01	<0.01	<0.2	<0.005
JN19031-041		32.5	350	3.3	59.2	<0.001	0.19	0.85	4.8	<0.2	3.6	31.1	<0.01	0.04	16.8	0.063
JN19031-042		34.3	380	2.3	79.0	<0.001	0.28	0.83	3.8	<0.2	3.1	28.3	<0.01	0.03	17.2	0.087
JN19031-043		30.6	340	4.1	45.5	<0.001	0.15	0.89	5.2	<0.2	9.9	44.9	<0.01	0.02	17.3	0.067
JN19031-044		6.7	280	10.4	5.5	<0.001	0.13	3.36	2.6	0.3	4.4	8.4	<0.01	0.07	8.6	0.007
JN19031-045		9.0	300	4.2	11.3	<0.001	0.03	0.91	2.5	<0.2	6.8	9.6	<0.01	<0.01	10.2	0.008
JN19031-045S		24.6	580	25.4	5.5	0.377	0.68	26.0	1.9	1.4	2.1	160.0	<0.01	1.45	1.5	0.067
JN19031-046		25.3	630	5.9	19.3	<0.001	0.20	0.82	3.7	<0.2	4.4	14.3	<0.01	0.01	18.8	0.006
JN19031-047		30.5	420	1.7	25.5	<0.001	0.23	0.65	3.1	0.2	3.9	30.4	<0.01	0.04	17.5	0.031
JN19031-048		27.7	370	1.8	21.8	<0.001	0.17	0.66	3.1	<0.2	2.1	33.5	<0.01	0.02	16.3	0.015
JN19031-049		22.2	250	4.3	14.1	<0.001	0.06	0.70	3.6	<0.2	9.7	33.8	<0.01	0.02	16.4	0.009
JN19031-050		3.5	100	1.7	2.6	<0.001	<0.01	0.23	3.0	0.2	5.1	17.9	<0.01	<0.01	8.0	0.007
JN19031-051		7.8	150	55.3	3.5	<0.001	0.11	1.79	4.0	0.2	4.8	22.2	<0.01	0.09	10.4	<0.005
JN19031-052		5.3	280	3.2	7.2	<0.001	<0.01	0.28	4.0	<0.2	16.7	25.8	<0.01	<0.01	12.3	0.012
JN19031-053		6.0	170	3.8	5.5	<0.001	0.03	0.33	2.0	<0.2	13.6	20.4	<0.01	0.01	9.0	0.031
JN19031-054		2.6	120	4.5	0.5	<0.001	0.01	0.70	0.4	<0.2	15.4	16.7	<0.01	<0.01	8.3	0.055
JN19031-055		10.4	340	6.7	11.3	<0.001	0.16	0.58	2.0	0.3	5.3	28.4	<0.01	0.02	9.6	0.022
JN19031-056		5.5	150	6.9	4.4	<0.001	0.02	0.37	4.3	0.2	4.5	5.9	<0.01	<0.01	8.4	<0.005
JN19031-057		3.8	130	91.5	4.5	<0.001	0.12	0.35	2.1	<0.2	3.0	5.9	<0.01	0.02	8.1	<0.005
JN19031-058		2.9	110	1.8	2.9	<0.001	0.01	0.11	2.0	<0.2	2.2	21.2	<0.01	<0.01	7.7	<0.005
JN19031-059		3.0	200	2.8	4.8	<0.001	0.02	0.19	2.2	<0.2	2.4	25.1	<0.01	0.01	7.8	<0.005
JN19031-060		7.0	310	3.6	5.0	<0.001	0.07	0.28	1.9	0.2	4.1	31.0	<0.01	0.01	7.0	0.012
JN19031-061		10.7	340	3.7	10.2	<0.001	0.05	0.56	3.4	<0.2	5.9	52.5	<0.01	0.01	10.9	0.024
JN19031-062		10.2	680	7.7	13.8	<0.001	0.26	1.68	4.3	<0.2	10.6	40.2	<0.01	0.01	11.2	0.020
JN19031-063		3.3	310	3.3	2.9	<0.001	0.04	0.29	2.0	<0.2	8.1	21.0	<0.01	<0.01	5.8	0.013
JN19031-064		2.7	340	3.9	1.3	<0.001	0.05	1.81	3.0	0.2	9.7	22.2	<0.01	0.03	2.5	0.015
JN19031-065		4.2	670	13.3	7.3	<0.001	0.03	0.98	3.9	0.3	5.1	25.6	<0.01	0.03	7.0	0.005
JN19031-066		4.7	280	3.4	6.8	<0.001	0.03	0.59	3.4	0.2	8.0	27.5	<0.01	0.04	8.5	0.020
JN19031-067		4.0	130	4.2	4.3	<0.001	0.01	0.39	3.2	<0.2	6.0	24.0	<0.01	0.02	7.2	0.020
JN19031-068		4.3	140	5.7	5.4	<0.001	0.09	0.44	2.0	<0.2	2.5	40.4	<0.01	0.01	8.8	<0.005
JN19031-069		20.6	320	34.9	10.8	<0.001	1.56	5.53	3.9	0.6	8.2	115.0	<0.01	0.15	11.3	<0.005
JN19031-070		30.4	370	7.7	16.3	<0.001	0.86	3.37	3.8	0.3	3.8	74.2	<0.01	0.07	16.5	<0.005
JN19031-071		47.0	280	19.9	23.5	<0.001	0.53	1.46	3.0	<0.2	2.9	26.6	<0.01	0.01	11.5	0.032
JN19031-072		44.9	220	6.8	16.1	<0.001	0.41	1.11	3.1	0.2	1.3	33.0	<0.01	0.02	7.0	0.023
JN19031-073		45.8	240	4.0	17.1	<0.001	0.47	1.92	2.5	<0.2	2.2	41.3	<0.01	<0.01	10.3	0.017
JN19031-073S		23.7	550	24.5	5.6	0.395	0.65	25.1	2.0	1.6	2.2	156.5	<0.01	1.46	1.6	0.065

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

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Project: Justin 2019 Diamond Drill

CERTIFICATE OF ANALYSIS WH19161498

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Zn-OG46	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Zn	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOD	0.02	0.05	1	0.05	0.05	2	0.5	0.001	0.005
JN19031-037		0.03	0.62	10	<0.05	4.38	35	2.1		<0.005
JN19031-038		0.10	0.99	19	0.05	8.36	48	5.8		0.007
JN19031-039		0.08	0.97	31	0.08	7.29	27	7.8		<0.005
JN19031-040		0.06	0.76	22	0.05	6.55	24	3.9		0.013
JN19031-040B		<0.02	0.06	<1	<0.05	2.31	<2	<0.5		<0.005
JN19031-041		0.48	1.62	31	0.05	11.10	38	8.6		<0.005
JN19031-042		0.59	1.74	26	0.06	9.50	32	10.1		<0.005
JN19031-043		0.34	1.51	31	0.09	10.50	30	8.5		<0.005
JN19031-044		0.04	0.67	13	0.05	4.78	18	2.7		0.023
JN19031-045		0.07	1.00	13	<0.05	5.52	16	4.4		<0.005
JN19031-045S		0.05	1.48	38	8.09	5.29	54	3.7		0.513
JN19031-046		0.14	1.36	20	0.05	9.87	34	7.7		<0.005
JN19031-047		0.21	1.60	18	<0.05	9.78	26	14.6		<0.005
JN19031-048		0.17	1.42	16	<0.05	10.15	18	11.2		<0.005
JN19031-049		0.09	1.07	15	<0.05	10.05	13	7.1		<0.005
JN19031-050		0.02	0.59	15	<0.05	4.06	10	2.4		<0.005
JN19031-051		0.04	0.76	19	<0.05	8.26	155	2.7		<0.005
JN19031-052		0.05	0.85	17	<0.05	10.60	13	4.0		<0.005
JN19031-053		0.04	0.67	12	0.09	5.31	13	3.4		<0.005
JN19031-054		<0.02	0.64	3	0.32	4.60	15	2.1		<0.005
JN19031-055		0.09	0.65	11	0.11	5.41	21	3.5		<0.005
JN19031-056		0.03	0.61	21	0.05	5.33	20	3.5		<0.005
JN19031-057		0.03	0.51	13	0.06	4.25	82	2.0		<0.005
JN19031-058		0.02	0.50	9	<0.05	5.36	12	2.0		<0.005
JN19031-059		0.03	0.61	12	<0.05	7.24	13	2.3		<0.005
JN19031-060		0.03	0.65	16	0.06	6.88	16	3.6		<0.005
JN19031-061		0.07	1.03	18	0.06	9.74	13	6.7		<0.005
JN19031-062		0.09	1.13	22	0.05	11.45	20	6.8		<0.005
JN19031-063		0.03	0.64	21	0.05	4.43	13	3.2		<0.005
JN19031-064		<0.02	0.33	26	0.07	3.94	9	2.2		<0.005
JN19031-065		0.05	0.63	24	<0.05	5.92	17	4.2		<0.005
JN19031-066		0.04	0.61	19	<0.05	6.47	15	4.1		<0.005
JN19031-067		0.02	0.47	17	0.06	5.93	12	2.0		<0.005
JN19031-068		0.05	0.59	10	<0.05	4.81	28	3.3		<0.005
JN19031-069		0.10	1.25	18	<0.05	10.75	164	6.3		0.010
JN19031-070		0.13	1.49	20	0.06	10.80	37	8.3		<0.005
JN19031-071		0.16	1.01	25	0.05	6.38	42	6.8		<0.005
JN19031-072		0.11	0.75	26	<0.05	5.69	80	6.1		<0.005
JN19031-073		0.12	0.77	21	<0.05	6.52	58	6.1		<0.005
JN19031-073S		0.04	1.50	37	8.13	5.31	51	4.0		0.537

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

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Finalized Date: 21-JUL-2019
Account: TELOEX

Project: Justin 2019 Diamond Drill

CERTIFICATE OF ANALYSIS WH19161498

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
JN19031-074		6.59	0.07	1.89	2.5	<0.02	<10	50	1.04	0.47	0.77	0.01	52.9	18.8	30	3.75
JN19031-075		4.41	0.40	1.92	21.4	<0.02	<10	40	0.90	0.49	0.25	0.18	27.0	25.9	28	3.32
JN19031-076		4.65	3.90	1.75	19.3	<0.02	<10	40	0.82	0.70	0.23	1.42	16.45	26.0	24	4.03
JN19031-077		4.64	3.51	1.68	9.3	<0.02	<10	50	0.95	0.32	0.58	0.27	30.9	21.1	25	4.16
JN19031-078		3.98	19.90	1.30	73.7	<0.02	<10	40	1.15	1.54	0.69	148.0	41.3	23.4	22	6.88
JN19031-079		5.38	0.04	0.29	14.3	<0.02	<10	20	0.97	0.05	1.30	0.13	61.4	0.7	8	0.89
JN19031-080		4.58	0.03	0.22	0.2	<0.02	<10	20	0.74	0.02	1.19	0.10	17.65	0.2	6	0.85
JN19031-080B		4.31	<0.01	0.02	<0.1	<0.02	<10	20	<0.05	0.01	>25.0	0.01	0.95	0.7	<1	<0.05
JN19031-081		5.13	0.01	0.60	8.4	<0.02	10	20	1.67	0.04	1.71	0.04	41.9	1.0	12	2.25
JN19031-082		3.84	0.01	1.82	28.8	<0.02	<10	70	2.09	0.08	1.96	<0.01	106.5	7.9	31	16.00
JN19031-083		3.94	0.14	0.22	130.5	<0.02	<10	10	1.27	0.41	1.29	0.13	19.05	2.0	5	1.15
JN19031-084		4.43	0.03	0.20	170.5	<0.02	<10	10	1.41	0.08	0.89	0.03	18.80	0.5	6	0.85
JN19031-085		4.22	0.02	0.22	327	<0.02	<10	20	1.54	0.06	0.99	0.02	21.5	0.6	6	1.02
JN19031-085S		0.12	0.41	1.40	1210	0.92	20	80	0.15	22.8	4.06	0.64	14.30	43.6	23	0.70
JN19031-086		3.74	0.03	2.25	968	<0.02	<10	50	0.65	0.62	1.71	<0.01	70.9	11.8	32	4.28
JN19031-087		3.45	0.11	1.58	38.3	<0.02	<10	30	0.48	0.57	2.16	<0.01	49.7	9.0	23	3.36
JN19031-088		4.03	0.06	2.43	414	<0.02	<10	70	1.03	0.64	1.52	0.28	68.0	15.5	32	17.40

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

ALS Canada Ltd.

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

Finalized Date: 21-JUL-2019
Account: TELOEX

Project: Justin 2019 Diamond Drill

CERTIFICATE OF ANALYSIS WH19161498

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
JN19031-074		42.1	4.38	5.82	0.06	0.15	<0.01	0.029	0.25	27.4	53.1	1.02	755	1.16	0.02	0.09
JN19031-075		62.5	5.05	5.39	<0.05	0.15	<0.01	0.023	0.25	13.9	59.6	1.20	754	0.46	0.02	<0.05
JN19031-076		88.1	5.31	4.72	<0.05	0.14	<0.01	0.075	0.26	8.7	54.0	1.14	690	0.31	0.03	0.05
JN19031-077		83.3	4.79	4.74	<0.05	0.13	<0.01	0.027	0.27	16.1	49.2	1.12	743	0.27	0.02	<0.05
JN19031-078		346	8.26	4.96	0.07	0.16	0.08	12.95	0.41	20.7	38.8	0.81	316	0.31	0.03	<0.05
JN19031-079		4.0	0.54	1.57	0.05	0.25	<0.01	0.027	0.13	30.5	4.4	0.07	135	2.46	0.05	1.27
JN19031-080		0.9	0.29	0.91	<0.05	0.26	<0.01	0.013	0.12	8.1	0.9	0.01	91	0.36	0.06	1.72
JN19031-080B		2.1	0.07	0.09	0.06	<0.02	<0.01	<0.005	0.01	1.1	0.5	0.73	87	<0.05	0.01	0.05
JN19031-081		1.8	0.96	2.57	0.06	0.26	<0.01	0.026	0.17	18.9	16.4	0.28	241	0.47	0.04	0.72
JN19031-082		1.5	2.85	7.77	0.14	0.24	<0.01	0.058	0.68	51.1	66.8	0.91	475	0.43	0.04	0.11
JN19031-083		15.1	0.61	1.02	<0.05	0.34	<0.01	0.013	0.14	8.5	1.2	0.03	128	0.41	0.06	2.56
JN19031-084		4.0	0.46	1.00	<0.05	0.43	<0.01	0.007	0.14	8.4	1.6	0.02	97	0.26	0.05	2.57
JN19031-085		0.8	0.43	1.12	<0.05	0.41	<0.01	0.008	0.14	9.9	1.7	0.02	109	0.25	0.06	2.77
JN19031-085S		130.0	3.19	4.11	0.09	0.15	0.01	0.100	0.14	9.0	8.5	0.47	661	6.77	0.14	0.23
JN19031-086		32.9	2.87	8.29	0.06	0.23	<0.01	0.033	0.25	38.1	47.5	0.95	257	0.20	0.14	0.10
JN19031-087		106.5	3.47	5.45	0.06	0.13	<0.01	0.103	0.19	25.1	27.8	0.70	258	0.33	0.10	0.10
JN19031-088		86.7	4.21	7.68	0.08	0.40	<0.01	0.075	0.81	35.5	39.9	0.97	193	0.30	0.13	0.15

***** 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: 21-JUL-2019
Account: TELOEX

Project: Justin 2019 Diamond Drill

CERTIFICATE OF ANALYSIS WH19161498

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
JN19031-074		45.0	270	5.0	16.4	<0.001	0.94	1.17	2.4	0.5	1.8	42.0	<0.01	0.02	11.4	0.034
JN19031-075		47.5	250	44.1	14.2	<0.001	2.21	1.69	2.3	<0.2	2.5	16.4	<0.01	0.01	7.7	0.010
JN19031-076		46.9	260	1600	15.0	<0.001	2.37	3.68	2.0	<0.2	3.4	16.7	<0.01	0.02	6.8	<0.005
JN19031-077		43.7	260	1170	17.3	<0.001	1.84	3.91	2.1	<0.2	3.1	39.2	<0.01	0.01	8.3	0.008
JN19031-078		52.7	240	8330	43.5	<0.001	4.63	15.40	3.0	0.2	9.7	30.8	<0.01	0.04	9.3	0.013
JN19031-079		5.5	180	12.4	9.7	<0.001	0.08	0.35	1.3	<0.2	1.9	39.9	0.01	<0.01	8.5	<0.005
JN19031-080		0.6	210	16.1	7.7	<0.001	0.01	0.11	0.6	<0.2	0.6	40.6	0.01	<0.01	8.8	<0.005
JN19031-080B		0.2	70	0.6	0.5	<0.001	0.01	<0.05	0.2	0.9	<0.2	84.4	<0.01	<0.01	0.2	<0.005
JN19031-081		5.9	210	7.7	13.6	0.001	0.01	0.50	1.9	0.2	3.5	53.1	0.01	0.01	9.9	<0.005
JN19031-082		34.9	280	2.3	102.5	0.001	0.06	1.52	4.5	0.2	10.7	43.9	<0.01	<0.01	15.1	0.035
JN19031-083		0.6	190	39.2	10.5	0.002	0.24	0.53	0.9	0.2	0.3	35.7	0.01	0.01	8.7	<0.005
JN19031-084		0.5	190	13.4	10.9	<0.001	0.10	0.36	0.9	0.3	0.3	19.7	0.01	<0.01	8.9	<0.005
JN19031-085		0.6	200	12.7	11.4	<0.001	0.02	0.50	1.2	<0.2	0.5	29.2	0.01	0.01	9.7	<0.005
JN19031-085S		19.7	930	13.6	5.4	0.055	0.26	3.83	2.4	3.0	1.8	94.4	<0.01	2.57	1.8	0.086
JN19031-086		28.2	350	4.5	24.0	<0.001	0.40	2.04	5.6	0.2	18.2	71.5	<0.01	0.03	17.4	0.027
JN19031-087		21.6	470	6.2	19.9	<0.001	1.11	0.96	4.2	0.4	26.1	50.6	<0.01	0.02	13.2	0.022
JN19031-088		41.6	590	3.9	89.9	<0.001	1.23	1.59	4.6	0.4	8.9	86.3	<0.01	0.03	17.1	0.062

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

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

Finalized Date: 21-JUL-2019
Account: TELOEX

Project: Justin 2019 Diamond Drill

CERTIFICATE OF ANALYSIS WH19161498

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Zn-OG46	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Zn	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOD	0.02	0.05	1	0.05	0.05	2	0.5	0.001	0.005
JN19031-074		0.18	0.86	21	0.05	8.67	60	7.0		<0.005
JN19031-075		0.26	0.73	20	<0.05	5.16	111	6.1		0.007
JN19031-076		0.17	0.67	17	<0.05	3.42	246	5.7		0.008
JN19031-077		0.14	0.78	17	<0.05	5.55	90	6.6		<0.005
JN19031-078		0.31	0.68	23	<0.05	9.56	>10000	6.6	2.17	0.009
JN19031-079		0.06	6.97	3	0.54	16.75	21	4.0		<0.005
JN19031-080		0.04	8.97	1	0.45	11.95	13	4.0		<0.005
JN19031-080B		<0.02	0.17	<1	<0.05	2.22	<2	<0.5		<0.005
JN19031-081		0.08	5.59	9	0.29	15.70	14	5.4		<0.005
JN19031-082		0.55	1.29	29	0.11	22.5	30	8.4		<0.005
JN19031-083		0.16	9.36	<1	1.24	16.35	15	5.5		<0.005
JN19031-084		0.06	8.68	1	1.22	18.35	6	6.8		<0.005
JN19031-085		0.05	8.90	1	1.63	16.40	6	6.3		<0.005
JN19031-085S		0.05	1.87	54	7.80	6.73	103	5.2		1.025
JN19031-086		0.14	1.44	30	0.06	15.60	25	7.7		0.006
JN19031-087		0.12	0.84	20	0.07	12.35	23	3.9		<0.005
JN19031-088		0.65	2.07	27	0.06	16.20	62	16.0		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: 21-JUL-2019
Account: TELOEX

Project: Justin 2019 Diamond Drill

CERTIFICATE OF ANALYSIS WH19161498

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	LOG-22
	LOG-22d	LOG-24	PUL-32m	PUL-32md
	PUL-QC	SPL-21	SPL-21d	WEI-21

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

Applies to Method:				
	Au-AA24	ME-MS41	ME-OG46	Zn-OG46

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

Finalized Date: 21-JUL-2019
This copy reported on 5-FEB-2020
Account: TELOEX

WH19161522

P.O. No.: JN2019-1

This report is for 82 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 2-JUL-2019.

The following have access to data associated with this certificate:

VANESSA BEACH	JESSE CAMPBELL	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
PUL-32md	Pulverize 500g-DUP -85%<75um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32m	Pulverize 500g - 85%<75um
BAG-01	Bulk Master for Storage
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22d	Sample login - Rcd w/o BarCode dup

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS41	Ultra Trace Aqua Regia ICP-MS	

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:

Saa Traxler, General Manager, North Vancouver

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SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 21-JUL-2019
Account: TELOEX

CERTIFICATE OF ANALYSIS WH19161522

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
JN19039-001		6.30	0.08	0.45	43.5	0.02	<10	30	0.57	0.34	0.13	0.06	42.6	7.4	10	1.78
JN19039-002		3.01	0.03	0.27	11.8	<0.02	<10	10	0.27	0.14	0.05	0.04	20.7	1.7	7	1.07
JN19039-003		3.24	0.04	0.43	19.5	<0.02	<10	30	0.44	0.23	0.07	0.06	39.1	5.6	5	1.85
JN19039-004		5.78	0.07	0.33	24.0	<0.02	<10	10	0.35	0.36	0.10	0.04	24.3	2.6	9	0.69
JN19039-005		6.54	0.11	0.29	73.5	<0.02	<10	20	0.26	0.21	0.06	0.08	26.7	4.7	10	1.01
JN19039-006		4.67	0.14	0.18	38.1	0.04	<10	10	0.11	0.24	0.03	0.17	12.65	2.2	10	0.68
JN19039-007		3.39	0.13	0.13	66.5	0.04	<10	10	0.10	0.17	0.03	0.19	11.00	2.4	12	0.47
JN19039-008		4.11	0.05	0.21	36.1	0.03	<10	10	0.20	0.18	0.04	0.13	16.70	1.8	12	0.89
JN19039-009		4.45	0.03	0.24	15.3	<0.02	<10	10	0.15	0.12	0.03	0.07	22.7	2.0	9	0.87
JN19039-010		2.57	0.01	0.19	10.8	<0.02	<10	10	0.12	0.05	0.02	0.03	20.9	1.2	10	0.61
JN19039-011		6.05	0.04	0.18	8.6	<0.02	<10	10	0.10	0.09	0.04	0.04	20.5	1.5	12	0.57
JN19039-012		4.64	0.05	0.19	20.6	<0.02	<10	10	0.12	0.12	0.04	0.06	24.5	2.0	10	0.81
JN19039-013		5.17	0.06	0.22	35.2	<0.02	<10	10	0.17	0.64	0.13	0.04	23.4	4.1	10	0.79
JN19039-014		5.86	0.12	0.29	26.6	0.11	<10	30	0.19	0.88	0.33	0.06	27.5	4.6	8	1.32
JN19039-015		4.40	0.06	0.29	31.2	0.05	<10	20	0.22	1.25	0.12	0.05	32.1	4.2	8	1.26
JN19039-015S		Listed, NR														
JN19039-016		5.40	0.22	0.35	70.6	0.29	<10	30	0.30	0.51	0.44	0.08	32.9	7.5	9	2.45
JN19039-017		5.45	0.36	0.39	86.2	0.17	<10	40	0.38	0.78	0.65	0.21	42.9	10.5	7	3.28
JN19039-018		4.81	0.32	0.43	132.5	<0.02	<10	30	0.81	7.26	1.29	1.27	32.5	9.3	17	1.77
JN19039-019		4.06	0.35	0.39	153.0	0.05	<10	30	1.07	7.71	1.78	0.80	31.2	9.0	15	1.82
JN19039-020		6.01	0.59	0.67	689	0.03	<10	40	1.58	18.30	2.14	0.93	37.9	18.4	21	1.34
JN19039-020S		0.12	0.44	1.45	1135	0.88	<10	80	0.15	23.8	3.96	0.68	15.00	43.3	22	0.71
JN19039-021		5.77	0.38	0.41	160.0	<0.02	10	40	1.23	7.81	2.29	0.92	29.1	12.1	18	1.46
JN19039-022		5.16	0.30	0.46	90.8	<0.02	<10	40	0.91	3.26	3.28	0.58	26.7	13.6	19	1.60
JN19039-023		4.18	0.18	1.08	82.6	<0.02	10	30	1.62	1.69	2.12	0.37	59.3	39.1	46	1.23
JN19039-024		2.81	0.26	0.60	121.0	0.02	<10	30	1.27	3.78	2.87	0.76	34.9	21.6	30	1.44
JN19039-025		3.97	0.33	1.26	120.5	0.03	10	30	1.97	6.46	4.15	0.33	74.1	21.7	88	3.76
JN19039-026		2.38	1.29	0.28	460	0.08	10	20	1.19	44.7	3.79	1.51	9.08	7.7	4	3.73
JN19039-027		4.04	0.50	0.30	6.4	0.14	10	20	0.78	64.9	2.54	0.22	15.15	2.0	3	3.83
JN19039-027B		5.53	<0.01	0.02	0.3	<0.02	<10	10	<0.05	0.08	>25.0	0.01	0.83	0.6	<1	<0.05
JN19039-028		3.16	1.39	0.27	65.2	0.70	10	20	0.63	238	2.77	0.51	12.05	2.1	3	2.79
JN19039-029		4.04	0.03	0.42	3.1	0.04	10	20	0.98	16.80	2.92	0.02	24.2	2.2	2	3.15
JN19039-030		4.52	0.07	0.36	4.3	0.18	10	20	0.93	34.7	2.64	0.02	41.8	2.7	3	3.63
JN19039-031		4.42	0.05	0.37	2.5	0.24	10	20	1.12	48.6	2.16	0.02	43.7	2.3	8	4.51
JN19039-032		4.42	0.03	0.32	2.7	0.05	<10	20	1.03	19.95	1.93	0.02	44.9	2.5	3	4.30
JN19039-033		3.49	0.04	0.35	3.1	0.15	10	20	0.99	40.6	1.93	0.02	48.3	2.4	4	4.12
JN19039-034		2.60	0.59	0.11	283	1.69	<10	10	0.29	715	0.62	0.05	12.90	0.8	11	1.38
JN19039-035		3.16	0.02	0.30	2.2	0.05	<10	30	0.99	7.62	1.69	0.02	50.2	2.6	5	4.98
JN19039-036		4.56	0.58	0.25	2.3	0.04	<10	20	0.83	54.4	1.55	0.06	51.2	2.5	4	4.05
JN19039-037		4.69	0.02	0.37	0.3	0.03	<10	40	0.67	9.91	1.22	0.01	57.6	2.7	6	4.23

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

Finalized Date: 21-JUL-2019
Account: TELOEX

CERTIFICATE OF ANALYSIS WH19161522

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
JN19039-001		23.6	2.96	1.42	<0.05	0.12	0.01	0.161	0.16	20.7	2.4	0.10	494	0.65	0.01	<0.05
JN19039-002		14.1	0.76	0.78	<0.05	0.06	<0.01	0.123	0.08	10.6	1.2	0.01	146	<0.05	0.01	<0.05
JN19039-003		19.2	0.80	1.21	<0.05	0.08	0.01	0.055	0.18	19.4	1.8	0.02	185	<0.05	0.01	<0.05
JN19039-004		38.7	2.67	1.05	<0.05	0.08	0.01	0.442	0.05	11.6	2.0	0.11	542	0.12	0.01	<0.05
JN19039-005		19.2	1.41	0.90	<0.05	0.09	0.02	0.155	0.12	13.4	1.4	0.03	186	0.10	0.01	<0.05
JN19039-006		24.6	1.96	0.56	<0.05	0.05	0.02	0.216	0.06	6.3	0.9	0.01	30	0.18	0.01	<0.05
JN19039-007		16.2	1.72	0.47	<0.05	0.04	0.01	0.183	0.05	5.1	0.6	<0.01	33	0.37	0.01	<0.05
JN19039-008		16.3	1.07	0.74	<0.05	0.06	0.01	0.100	0.09	8.6	0.8	0.01	31	0.14	0.01	<0.05
JN19039-009		3.6	0.51	0.72	<0.05	0.05	0.01	0.028	0.09	11.2	1.0	<0.01	25	0.07	0.01	<0.05
JN19039-010		1.9	0.31	0.63	<0.05	0.05	<0.01	0.009	0.08	10.3	0.8	<0.01	28	0.16	0.01	<0.05
JN19039-011		8.1	0.46	0.55	<0.05	0.06	0.01	0.022	0.06	9.7	0.7	<0.01	28	0.18	0.01	<0.05
JN19039-012		16.9	0.49	0.67	<0.05	0.05	<0.01	0.042	0.07	11.9	0.8	<0.01	28	0.23	0.01	<0.05
JN19039-013		29.2	0.90	0.71	<0.05	0.07	0.01	0.085	0.08	11.3	1.0	0.01	119	0.14	0.01	<0.05
JN19039-014		27.8	2.66	0.92	<0.05	0.09	0.06	0.155	0.14	13.8	1.3	0.07	108	0.11	0.01	<0.05
JN19039-015		12.4	1.47	0.89	<0.05	0.09	0.02	0.256	0.10	15.5	1.7	0.02	44	0.08	0.01	<0.05
JN19039-015S																
JN19039-016		38.6	4.01	1.38	0.05	0.13	0.09	0.519	0.18	17.0	1.4	0.08	104	0.60	0.01	<0.05
JN19039-017		29.4	2.76	1.55	0.05	0.15	0.05	0.091	0.24	22.3	1.0	0.14	148	0.42	0.01	<0.05
JN19039-018		43.5	3.54	2.00	0.05	0.19	0.01	0.147	0.16	16.8	2.3	0.50	800	2.97	0.01	<0.05
JN19039-019		47.5	4.98	1.80	<0.05	0.15	<0.01	0.194	0.16	16.0	2.3	0.74	1060	3.38	0.01	<0.05
JN19039-020		47.0	6.68	2.86	0.05	0.28	0.01	0.328	0.17	18.3	3.9	0.88	1380	4.35	0.01	<0.05
JN19039-020S		126.5	3.15	4.43	0.09	0.18	0.02	0.103	0.14	9.4	8.1	0.44	671	6.50	0.14	0.28
JN19039-021		78.6	4.47	1.98	0.07	0.18	<0.01	0.196	0.16	14.8	2.9	0.97	891	6.05	0.01	<0.05
JN19039-022		43.0	4.06	1.74	0.06	0.21	<0.01	0.128	0.16	12.8	3.0	0.94	762	3.54	0.01	<0.05
JN19039-023		39.4	6.85	4.05	0.13	0.10	<0.01	0.109	0.15	29.2	5.4	1.00	1380	2.07	0.01	0.05
JN19039-024		45.6	5.76	2.53	0.08	0.35	<0.01	0.183	0.16	16.0	3.1	0.92	1130	2.71	0.01	<0.05
JN19039-025		92.3	7.11	5.06	0.20	0.02	<0.01	0.361	0.09	37.3	9.2	0.85	1470	6.67	0.01	<0.05
JN19039-026		68.4	5.08	1.26	<0.05	0.10	0.01	0.614	0.14	4.1	5.2	0.37	1470	39.0	0.01	<0.05
JN19039-027		14.9	1.36	1.14	<0.05	0.11	<0.01	0.020	0.17	7.6	4.4	0.19	447	25.4	0.01	<0.05
JN19039-027B		1.4	0.06	0.07	<0.05	<0.02	<0.01	<0.005	0.01	1.0	0.5	0.53	83	0.07	0.01	<0.05
JN19039-028		11.6	1.36	1.07	<0.05	0.06	<0.01	0.021	0.14	5.8	4.6	0.22	340	21.9	0.01	<0.05
JN19039-029		6.7	1.48	1.46	<0.05	0.08	0.01	0.011	0.19	11.9	6.6	0.24	305	6.83	0.01	<0.05
JN19039-030		5.5	1.62	1.27	0.05	0.06	0.02	0.012	0.18	20.2	4.7	0.24	309	346	0.01	<0.05
JN19039-031		3.0	1.52	1.21	0.06	0.07	<0.01	0.011	0.19	21.3	5.0	0.27	276	2.76	0.01	<0.05
JN19039-032		1.9	1.68	1.11	0.05	0.08	0.01	0.011	0.18	22.4	4.8	0.27	276	5.81	0.02	<0.05
JN19039-033		2.1	1.64	1.16	0.06	0.07	<0.01	0.011	0.19	23.1	3.7	0.29	299	12.00	0.02	<0.05
JN19039-034		2.7	0.69	0.46	<0.05	0.04	0.06	<0.005	0.08	6.2	1.7	0.08	101	79.9	0.01	0.38
JN19039-035		2.5	1.69	1.13	0.07	0.09	<0.01	0.012	0.18	24.9	5.0	0.29	288	8.27	0.02	<0.05
JN19039-036		2.8	1.61	1.13	0.06	0.13	<0.01	0.011	0.16	25.8	4.4	0.24	279	21.3	0.03	<0.05
JN19039-037		1.3	1.71	2.30	0.08	0.15	0.01	0.014	0.17	28.7	7.6	0.25	301	6.94	0.04	0.25

***** 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: 21-JUL-2019
Account: TELOEX

CERTIFICATE OF ANALYSIS WH19161522

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
JN19039-001		19.2	220	8.8	8.7	<0.001	1.38	4.50	4.0	<0.2	3.1	10.1	<0.01	0.01	10.1	<0.005
JN19039-002		5.2	130	3.7	5.1	<0.001	0.37	1.50	1.3	<0.2	2.4	7.9	<0.01	0.01	5.4	<0.005
JN19039-003		10.8	170	5.3	9.8	<0.001	0.16	1.18	2.4	<0.2	1.3	6.5	<0.01	<0.01	10.0	<0.005
JN19039-004		7.3	90	3.8	3.5	<0.001	0.62	0.90	3.1	<0.2	4.7	4.3	<0.01	<0.01	6.6	<0.005
JN19039-005		11.6	120	6.7	7.1	<0.001	0.91	4.99	1.4	<0.2	2.0	6.7	<0.01	0.01	7.7	<0.005
JN19039-006		9.3	60	7.1	4.0	<0.001	2.05	7.01	0.3	<0.2	3.3	7.3	<0.01	<0.01	4.0	<0.005
JN19039-007		7.9	60	8.8	3.2	<0.001	1.71	6.47	0.1	<0.2	2.5	3.2	<0.01	<0.01	3.6	<0.005
JN19039-008		6.0	100	7.3	5.6	<0.001	0.97	5.47	0.3	<0.2	1.7	8.4	<0.01	<0.01	4.1	<0.005
JN19039-009		3.5	80	6.5	5.3	<0.001	0.36	2.38	0.3	<0.2	0.3	7.4	0.35	<0.01	4.7	<0.005
JN19039-010		1.8	70	2.3	4.5	<0.001	0.08	0.45	0.2	<0.2	<0.2	6.0	<0.01	0.01	4.1	<0.005
JN19039-011		2.6	160	5.9	3.4	<0.001	0.25	0.68	0.2	<0.2	0.5	7.2	<0.01	<0.01	5.4	<0.005
JN19039-012		3.5	130	4.4	5.0	0.001	0.29	0.93	0.2	<0.2	1.3	7.2	<0.01	<0.01	7.4	<0.005
JN19039-013		5.9	470	3.1	4.3	0.001	0.52	1.82	1.0	<0.2	0.8	10.9	<0.01	<0.01	5.4	<0.005
JN19039-014		18.0	190	6.7	7.3	<0.001	2.59	22.0	1.8	0.2	1.5	14.9	<0.01	0.01	6.6	<0.005
JN19039-015		8.7	90	4.8	5.3	<0.001	1.43	15.05	1.0	<0.2	2.5	7.9	<0.01	0.01	7.7	<0.005
JN19039-015S																
JN19039-016		21.0	480	10.4	9.7	0.001	4.16	71.9	3.1	0.7	4.6	17.9	<0.01	0.02	10.1	<0.005
JN19039-017		26.8	520	31.0	11.9	<0.001	2.71	51.3	4.1	0.8	1.2	28.8	<0.01	0.01	11.8	<0.005
JN19039-018		22.7	600	15.1	8.9	0.002	0.79	10.65	5.2	0.3	2.5	54.9	<0.01	0.08	6.7	<0.005
JN19039-019		27.1	530	12.7	9.6	0.003	1.03	7.74	4.6	0.7	2.6	60.0	<0.01	0.18	7.0	<0.005
JN19039-020		42.3	770	24.0	8.9	0.002	1.35	8.73	6.4	0.7	5.5	74.7	<0.01	0.32	7.8	<0.005
JN19039-020S		19.1	870	12.6	5.1	0.049	0.26	3.74	2.4	2.7	1.9	94.7	<0.01	2.48	1.9	0.093
JN19039-021		38.2	600	12.5	9.5	0.003	0.75	6.17	5.7	0.7	2.8	71.2	<0.01	0.11	6.5	<0.005
JN19039-022		40.8	640	10.5	10.0	0.003	0.81	4.62	6.1	0.8	1.9	71.4	<0.01	0.05	5.4	<0.005
JN19039-023		63.4	2000	8.6	8.3	0.001	0.56	3.86	12.7	0.5	1.4	65.4	<0.01	0.03	6.7	0.009
JN19039-024		49.0	850	10.6	9.1	0.001	0.74	4.85	9.1	0.6	2.3	65.3	<0.01	0.10	5.1	0.005
JN19039-025		55.0	2950	33.0	7.6	0.001	0.62	3.58	19.7	0.4	4.9	189.0	<0.01	0.04	6.8	0.017
JN19039-026		4.0	200	90.2	9.9	0.001	0.63	3.81	2.7	0.4	11.0	102.5	<0.01	0.69	2.6	<0.005
JN19039-027		1.5	240	35.4	12.7	<0.001	0.24	1.35	1.8	0.2	1.3	95.9	<0.01	1.68	4.7	<0.005
JN19039-027B		0.2	60	0.4	0.4	<0.001	<0.01	<0.05	0.1	0.7	<0.2	81.1	<0.01	0.01	<0.2	<0.005
JN19039-028		1.2	170	96.2	9.9	0.001	0.14	1.95	1.8	0.3	0.6	90.0	<0.01	5.22	3.5	<0.005
JN19039-029		1.2	230	10.6	12.9	0.001	0.07	0.35	2.2	<0.2	0.3	101.0	<0.01	0.35	7.2	<0.005
JN19039-030		1.5	350	14.0	12.6	0.013	0.13	0.77	2.4	0.2	0.2	59.2	<0.01	1.06	10.0	<0.005
JN19039-031		1.1	340	13.2	13.7	0.001	0.06	0.28	2.3	<0.2	0.2	52.2	<0.01	2.07	10.0	<0.005
JN19039-032		1.0	370	7.6	11.6	0.001	0.07	0.27	2.4	<0.2	0.2	55.2	<0.01	0.32	10.3	<0.005
JN19039-033		1.0	360	8.2	12.4	0.001	0.03	0.37	2.4	0.2	0.2	59.0	<0.01	0.92	11.0	<0.005
JN19039-034		1.0	110	137.0	5.3	0.003	0.09	6.57	0.7	0.4	<0.2	17.7	<0.01	13.70	2.9	<0.005
JN19039-035		1.1	380	6.6	12.8	0.002	0.02	0.24	2.9	<0.2	0.2	64.6	<0.01	0.19	11.7	<0.005
JN19039-036		1.0	350	38.0	12.0	0.001	0.07	0.44	2.7	<0.2	0.2	58.9	<0.01	0.67	11.5	<0.005
JN19039-037		1.1	400	6.4	13.5	<0.001	0.02	0.13	4.1	<0.2	0.3	42.5	<0.01	0.41	12.6	0.012

***** 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: 21-JUL-2019
Account: TELOEX

CERTIFICATE OF ANALYSIS WH19161522

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-AA24 Au ppm 0.005
JN19039-001		0.17	1.36	11	1.99	8.35	29	4.4	0.020
JN19039-002		0.06	0.47	2	0.52	2.51	11	1.9	<0.005
JN19039-003		0.07	0.69	4	0.93	3.78	14	2.6	<0.005
JN19039-004		0.09	0.88	6	1.02	3.46	15	2.8	0.005
JN19039-005		0.22	0.69	3	0.72	3.21	17	2.3	0.014
JN19039-006		0.21	0.51	1	0.26	1.72	27	1.5	0.037
JN19039-007		0.14	0.44	1	0.17	1.33	26	1.1	0.036
JN19039-008		0.20	0.58	1	0.31	1.65	23	1.8	0.025
JN19039-009		0.12	0.53	1	0.28	1.53	15	1.8	0.010
JN19039-010		0.04	0.39	1	0.16	0.79	10	1.4	<0.005
JN19039-011		0.04	0.78	1	0.15	1.08	10	1.5	<0.005
JN19039-012		0.05	0.58	1	0.24	1.17	11	1.6	<0.005
JN19039-013		0.07	0.59	2	0.50	2.63	14	2.1	0.005
JN19039-014		0.89	0.65	3	0.89	3.23	24	2.7	0.118
JN19039-015		0.45	0.80	2	0.71	2.87	15	2.5	0.052
JN19039-015S									
JN19039-016		1.91	1.22	6	1.51	5.88	38	4.2	0.461
JN19039-017		1.03	1.13	7	1.71	6.72	60	4.8	0.262
JN19039-018		0.19	1.56	32	2.54	7.12	198	8.7	0.043
JN19039-019		0.31	1.08	35	1.87	7.15	116	8.5	0.171
JN19039-020		0.28	1.77	52	2.77	11.20	137	15.7	0.176
JN19039-020S		0.05	1.89	52	7.26	6.72	99	5.5	1.050
JN19039-021		0.14	1.29	49	1.80	9.22	138	12.0	0.051
JN19039-022		0.15	1.07	53	0.93	8.87	101	12.3	0.023
JN19039-023		0.16	1.91	107	0.50	18.20	57	10.5	0.017
JN19039-024		0.16	1.91	72	1.17	11.55	93	18.4	0.068
JN19039-025		0.14	2.74	124	0.12	23.5	83	2.7	0.035
JN19039-026		0.10	1.42	7	3.04	10.40	238	4.7	0.096
JN19039-027		0.07	1.74	2	1.64	10.95	34	4.5	0.156
JN19039-027B		<0.02	0.09	<1	<0.05	1.93	<2	<0.5	<0.005
JN19039-028		0.06	1.63	2	8.08	10.45	66	2.3	0.721
JN19039-029		0.05	2.36	3	11.95	11.45	16	2.7	0.051
JN19039-030		0.16	2.45	4	66.8	12.85	20	2.3	0.239
JN19039-031		0.04	2.36	4	66.0	12.05	19	2.2	0.301
JN19039-032		0.05	2.47	5	135.0	11.65	22	2.3	0.075
JN19039-033		0.04	2.39	3	45.9	11.75	21	2.2	0.224
JN19039-034		0.07	0.72	1	640	5.35	12	1.1	1.820
JN19039-035		0.04	2.91	5	41.3	12.50	21	2.7	0.034
JN19039-036		0.05	2.52	5	22.5	12.50	30	3.5	0.073
JN19039-037		0.06	3.21	12	50.3	13.55	25	4.1	0.062

***** 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: 21-JUL-2019
Account: TELOEX

CERTIFICATE OF ANALYSIS WH19161522

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
JN19039-038		4.41	0.04	0.27	0.8	0.09	<10	30	0.79	20.2	1.41	0.01	50.6	2.7	4	3.96
JN19039-039		4.61	0.01	0.30	0.5	0.02	<10	30	0.66	11.00	1.45	0.01	51.7	2.6	5	3.59
JN19039-040		7.12	0.03	0.24	0.8	0.04	<10	20	0.77	8.90	1.50	0.02	47.6	2.6	4	3.61
JN19039-040B		4.51	<0.01	0.03	<0.1	<0.02	<10	40	<0.05	0.04	>25.0	0.01	1.02	0.9	<1	<0.05
JN19039-041		6.68	0.10	0.25	0.6	0.06	<10	30	0.68	26.5	1.33	0.03	43.3	2.4	4	4.91
JN19039-042		6.62	0.05	0.28	0.9	<0.02	<10	30	0.70	10.65	1.49	0.02	44.9	2.5	5	2.64
JN19039-043		6.56	0.06	0.26	0.8	0.04	<10	30	0.61	17.35	1.42	0.03	40.7	2.2	6	2.83
JN19039-044		6.94	0.04	0.24	0.6	<0.02	<10	30	0.73	8.01	1.61	0.02	45.1	2.4	4	3.64
JN19039-044D		<0.02	0.04	0.22	0.5	<0.02	<10	20	0.66	6.63	1.60	0.03	42.5	2.3	4	3.65
JN19039-045		6.46	0.24	0.26	1.7	0.15	<10	30	0.74	51.1	1.52	0.05	41.4	2.5	5	3.39
JN19039-046		7.00	0.08	0.22	0.5	0.04	<10	30	0.69	12.80	1.30	0.02	43.6	2.4	5	5.59
JN19039-047		6.43	0.15	0.24	59.6	0.04	<10	40	0.61	41.3	1.31	0.05	40.0	2.4	4	6.04
JN19039-048		5.04	0.10	0.26	11.1	<0.02	<10	30	0.61	3.79	1.33	0.04	40.8	2.4	4	4.44
JN19039-049		4.23	1.25	0.34	41.2	<0.02	<10	40	0.61	15.95	1.33	0.77	40.7	2.6	6	3.46
JN19039-050		4.82	2.81	0.28	4.5	0.02	<10	30	0.67	13.25	1.38	0.27	34.2	2.9	5	3.09
JN19039-051		4.76	0.20	0.33	124.0	<0.02	<10	30	0.70	4.52	1.50	0.07	35.9	2.6	5	2.51
JN19039-052		3.63	0.14	0.25	20.3	<0.02	<10	30	0.70	2.07	1.49	0.08	33.8	2.4	5	4.00
JN19039-052S		0.12	0.09	1.67	0.7	<0.02	<10	140	6.39	1.25	1.98	0.11	12.40	7.8	8	0.33
JN19039-053		4.57	0.04	0.24	0.6	<0.02	<10	30	0.68	1.66	1.19	0.03	45.0	2.5	5	6.40
JN19039-054		5.00	0.06	0.32	0.7	0.04	<10	30	0.67	8.68	1.21	0.02	46.0	2.4	5	4.72
JN19039-055		3.77	0.03	0.31	0.6	0.04	<10	30	0.65	6.81	1.11	0.02	51.3	2.4	5	2.87
JN19039-056		4.83	0.87	0.40	10.2	<0.02	<10	40	0.57	40.7	1.08	0.14	48.5	2.7	7	3.20
JN19039-057		4.98	0.42	0.45	6.1	0.04	<10	20	0.69	43.1	1.26	0.07	37.4	2.6	5	1.84
JN19039-058		3.08	0.81	0.49	6.2	0.02	<10	30	0.58	62.8	1.07	0.17	37.3	2.5	5	1.97
JN19039-059		4.68	0.11	0.54	1.7	0.02	<10	30	0.60	13.80	1.40	0.02	40.5	2.8	5	2.02
JN19039-060		4.26	0.45	0.55	6.4	<0.02	<10	60	0.69	9.23	1.04	0.19	46.2	2.8	6	4.02
JN19039-061		3.60	0.08	0.49	0.9	0.36	<10	30	0.65	35.5	1.13	0.02	51.1	2.6	5	3.75
JN19039-062		4.54	0.13	0.38	3.3	0.06	<10	30	0.94	7.46	1.33	0.04	48.7	2.7	5	4.39
JN19039-063		5.19	0.08	0.59	0.4	0.03	<10	50	0.54	20.9	0.87	0.02	52.0	2.8	8	2.95
JN19039-064		3.48	0.05	0.68	0.2	0.06	<10	60	0.51	6.74	0.97	0.02	44.1	3.0	6	2.47
JN19039-065		3.99	0.02	0.78	0.4	<0.02	<10	100	0.42	2.29	0.62	0.02	43.4	2.8	10	2.97
JN19039-066		3.30	0.03	0.75	0.6	<0.02	<10	80	0.46	3.06	0.86	0.04	46.4	2.9	7	2.63
JN19039-067		3.24	0.07	0.66	0.7	0.17	<10	50	0.58	60.7	0.89	0.02	45.4	2.8	6	2.62
JN19039-068		3.17	1.55	0.38	45.0	0.03	<10	30	0.69	56.3	1.07	0.56	38.3	2.3	6	2.06
JN19039-069		3.10	0.78	0.36	0.8	0.07	<10	20	0.64	60.6	1.36	0.34	36.4	2.6	5	1.95
JN19039-070		3.83	0.53	0.34	0.6	0.21	<10	30	0.55	52.1	1.00	0.04	34.0	2.3	6	2.92
JN19039-071		1.69	8.03	0.24	1895	0.41	<10	30	0.68	265	1.02	1.25	29.2	2.7	4	2.92
JN19039-071D		<0.02	7.99	0.26	1840	0.48	<10	30	0.65	270	1.02	1.21	27.2	2.7	5	2.99
JN19039-072		3.92	0.33	0.37	3.3	0.03	<10	30	0.77	16.50	1.33	0.04	39.8	2.8	4	2.68
JN19039-072B		6.46	0.01	0.02	1.0	<0.02	<10	20	<0.05	0.41	>25.0	0.01	0.92	0.4	1	<0.05

***** 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: 21-JUL-2019
Account: TELOEX

CERTIFICATE OF ANALYSIS WH19161522

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOD	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
JN19039-038		1.4	1.70	1.26	0.06	0.11	<0.01	0.012	0.16	24.1	3.6	0.24	301	13.45	0.03	<0.05
JN19039-039		1.5	1.65	1.49	0.07	0.09	0.01	0.011	0.16	25.6	5.2	0.23	284	16.45	0.03	0.06
JN19039-040		1.5	1.70	1.09	0.06	0.12	<0.01	0.013	0.18	23.4	3.4	0.27	290	4.18	0.03	<0.05
JN19039-040B		2.0	0.09	0.11	<0.05	<0.02	<0.01	<0.005	0.02	1.1	0.9	0.43	66	<0.05	0.01	0.07
JN19039-041		1.8	1.62	1.21	0.06	0.13	0.01	0.010	0.16	21.1	4.1	0.24	282	10.20	0.03	0.09
JN19039-042		2.9	1.60	1.45	0.06	0.12	0.01	0.010	0.18	22.2	5.0	0.20	306	8.35	0.03	0.09
JN19039-043		1.7	1.61	1.29	0.06	0.12	0.01	0.009	0.16	20.0	4.6	0.22	282	3.39	0.03	0.09
JN19039-044		1.4	1.59	1.07	0.06	0.12	<0.01	0.008	0.18	22.3	3.3	0.23	288	5.14	0.03	0.05
JN19039-044D		1.3	1.57	0.98	0.06	0.11	<0.01	0.008	0.17	20.7	2.8	0.23	285	3.34	0.03	0.05
JN19039-045		1.9	1.60	1.23	0.06	0.11	<0.01	0.009	0.19	20.1	3.9	0.21	290	3.17	0.03	0.06
JN19039-046		2.6	1.64	1.05	0.06	0.11	<0.01	0.010	0.16	21.2	3.3	0.22	266	2.90	0.03	0.05
JN19039-047		3.4	1.68	1.16	0.06	0.11	0.01	0.011	0.16	19.7	3.6	0.28	295	4.56	0.03	0.05
JN19039-048		4.4	1.56	1.37	0.06	0.12	<0.01	0.009	0.17	19.7	4.5	0.20	376	5.27	0.03	0.09
JN19039-049		5.7	1.67	2.01	0.06	0.12	0.01	0.017	0.18	19.9	6.7	0.21	429	4.61	0.03	0.20
JN19039-050		7.5	1.92	1.26	0.05	0.11	<0.01	0.009	0.19	16.7	4.3	0.19	463	20.3	0.03	<0.05
JN19039-051		6.7	1.60	1.52	0.05	0.11	<0.01	0.009	0.19	17.6	5.8	0.19	435	10.20	0.03	0.07
JN19039-052		4.1	1.64	1.02	0.05	0.13	<0.01	0.010	0.19	16.2	3.5	0.21	398	7.78	0.03	<0.05
JN19039-052S		65.0	2.45	5.23	0.20	0.10	0.25	0.016	0.23	5.8	7.2	0.67	499	459	0.19	0.98
JN19039-053		4.4	1.61	1.12	<0.05	0.09	<0.01	0.009	0.14	21.3	5.2	0.23	326	5.50	0.03	0.06
JN19039-054		2.6	1.65	1.67	0.06	0.12	<0.01	0.010	0.17	23.1	6.8	0.23	324	23.5	0.04	0.13
JN19039-055		1.6	1.55	1.81	0.06	0.10	<0.01	0.008	0.15	25.3	6.6	0.20	282	5.32	0.03	0.10
JN19039-056		4.0	1.64	2.40	0.05	0.12	<0.01	0.009	0.18	24.2	9.7	0.22	310	6.37	0.03	0.19
JN19039-057		5.5	1.66	2.83	<0.05	0.10	<0.01	0.009	0.16	18.5	14.7	0.21	427	40.5	0.03	0.05
JN19039-058		5.8	1.62	3.25	0.05	0.11	<0.01	0.006	0.18	18.1	16.5	0.23	393	24.3	0.03	0.16
JN19039-059		4.5	1.68	3.18	<0.05	0.12	<0.01	0.009	0.18	19.7	16.7	0.22	464	28.3	0.03	0.09
JN19039-060		4.4	1.72	3.20	0.06	0.14	<0.01	0.014	0.26	22.8	14.7	0.25	381	1.93	0.04	0.40
JN19039-061		3.0	1.68	3.15	0.06	0.12	<0.01	0.006	0.17	25.5	15.7	0.25	283	2.47	0.03	0.14
JN19039-062		4.4	1.65	2.14	0.05	0.08	<0.01	0.010	0.18	24.1	8.7	0.24	339	2.53	0.03	0.06
JN19039-063		3.2	1.68	3.94	0.06	0.12	<0.01	0.011	0.21	25.1	17.1	0.25	284	3.80	0.04	0.35
JN19039-064		3.4	1.74	4.26	0.06	0.14	<0.01	0.010	0.24	21.5	20.4	0.27	288	3.57	0.04	0.37
JN19039-065		1.6	1.81	4.76	0.08	0.18	<0.01	0.011	0.33	21.0	22.9	0.31	294	3.87	0.06	0.58
JN19039-066		11.3	1.78	4.72	0.07	0.18	<0.01	0.012	0.28	23.0	23.9	0.29	297	10.05	0.05	0.51
JN19039-067		6.9	1.66	4.68	<0.05	0.17	<0.01	0.012	0.25	22.3	22.7	0.26	272	32.8	0.04	0.39
JN19039-068		8.9	1.47	2.35	<0.05	0.13	<0.01	0.019	0.20	18.7	10.8	0.17	514	34.5	0.02	0.13
JN19039-069		9.5	1.58	1.72	<0.05	0.12	<0.01	0.022	0.21	18.0	9.2	0.16	538	4.73	0.03	0.05
JN19039-070		6.9	1.50	1.93	<0.05	0.13	<0.01	0.011	0.19	16.8	8.3	0.19	386	906	0.03	0.22
JN19039-071		178.5	2.38	1.06	<0.05	0.09	<0.01	0.117	0.18	14.2	4.1	0.16	357	80.1	0.02	<0.05
JN19039-071D		197.5	2.36	1.09	<0.05	0.10	<0.01	0.127	0.19	13.6	4.3	0.16	362	80.7	0.02	<0.05
JN19039-072		8.4	1.66	2.03	<0.05	0.12	<0.01	0.009	0.18	19.5	9.5	0.20	426	56.7	0.03	0.05
JN19039-072B		0.6	0.07	0.06	<0.05	<0.02	<0.01	<0.005	0.01	1.1	0.6	0.75	91	0.62	0.01	<0.05

***** 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: 21-JUL-2019
Account: TELOEX

CERTIFICATE OF ANALYSIS WH19161522

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
JN19039-038		1.1	400	10.1	12.1	<0.001	0.06	0.20	3.2	0.2	0.2	56.9	<0.01	0.35	11.7	<0.005
JN19039-039		1.1	390	6.5	12.0	0.001	0.05	0.17	3.2	0.2	0.2	55.6	<0.01	0.30	11.8	<0.005
JN19039-040		1.0	400	7.7	12.7	0.001	0.05	0.15	2.7	0.3	0.2	69.9	<0.01	0.22	10.8	<0.005
JN19039-040B		0.6	80	0.3	0.6	<0.001	0.01	<0.05	0.2	1.0	<0.2	84.9	<0.01	<0.01	<0.2	<0.005
JN19039-041		1.0	360	14.3	12.4	<0.001	0.07	0.26	3.0	<0.2	0.2	62.7	<0.01	0.48	10.2	<0.005
JN19039-042		1.1	360	10.3	13.4	0.001	0.14	0.24	2.6	0.3	<0.2	59.6	<0.01	0.18	10.2	<0.005
JN19039-043		0.9	360	10.5	11.5	0.001	0.08	0.19	2.6	0.2	0.2	70.4	<0.01	0.34	9.9	<0.005
JN19039-044		1.0	370	8.8	13.2	0.001	0.07	0.17	2.6	0.2	<0.2	82.8	<0.01	0.07	10.5	<0.005
JN19039-044D		0.9	360	7.7	11.9	0.001	0.07	0.16	2.5	<0.2	<0.2	81.0	<0.01	0.07	9.6	<0.005
JN19039-045		1.1	360	24.3	14.2	0.001	0.11	0.39	2.6	<0.2	<0.2	81.2	<0.01	0.53	10.6	<0.005
JN19039-046		1.1	360	9.9	12.6	<0.001	0.06	0.16	2.9	<0.2	<0.2	71.8	<0.01	0.14	10.5	<0.005
JN19039-047		1.1	350	14.0	13.1	<0.001	0.14	0.61	3.0	<0.2	0.3	64.1	<0.01	0.36	9.6	<0.005
JN19039-048		1.1	350	12.6	13.3	0.001	0.21	0.24	2.7	<0.2	0.2	63.9	<0.01	0.06	10.4	<0.005
JN19039-049		1.1	360	124.0	15.0	<0.001	0.22	0.31	3.0	0.2	0.3	62.7	<0.01	0.25	10.5	0.008
JN19039-050		1.1	350	443	13.5	0.003	0.62	0.31	2.3	<0.2	<0.2	72.6	<0.01	0.19	10.0	<0.005
JN19039-051		1.1	370	21.7	14.1	0.002	0.31	0.44	2.2	<0.2	0.3	70.9	<0.01	0.09	10.1	<0.005
JN19039-052		1.0	350	23.3	13.7	0.001	0.33	0.25	2.3	<0.2	0.2	71.4	<0.01	0.05	9.9	<0.005
JN19039-052S		4.5	530	3.4	7.9	0.055	0.06	0.20	2.6	0.2	5.2	78.7	<0.01	0.01	2.2	0.125
JN19039-053		0.9	340	9.2	11.0	<0.001	0.19	0.12	3.4	0.6	0.3	73.4	<0.01	0.03	10.2	<0.005
JN19039-054		0.9	360	8.6	12.3	0.001	0.17	0.15	3.4	<0.2	0.2	65.4	<0.01	0.14	10.5	0.005
JN19039-055		0.9	340	5.3	10.8	0.001	0.05	0.16	3.2	<0.2	0.2	54.4	<0.01	0.10	11.1	0.005
JN19039-056		1.1	370	50.4	14.1	0.003	0.11	0.36	3.2	<0.2	0.3	52.5	<0.01	0.38	11.2	0.010
JN19039-057		1.0	380	29.5	12.0	0.003	0.30	0.57	2.5	<0.2	0.2	63.4	<0.01	0.65	10.3	<0.005
JN19039-058		1.0	350	59.1	14.4	0.004	0.30	0.94	2.6	<0.2	0.3	48.2	<0.01	0.79	10.5	0.008
JN19039-059		0.9	370	11.4	14.1	0.001	0.27	0.27	2.7	0.3	0.2	63.4	<0.01	0.19	10.4	0.006
JN19039-060		1.0	360	34.4	19.7	<0.001	0.19	0.23	3.5	0.2	0.5	47.9	<0.01	0.13	11.1	0.029
JN19039-061		1.0	370	8.7	14.1	<0.001	0.08	0.39	3.2	<0.2	0.2	48.1	<0.01	0.64	10.7	0.011
JN19039-062		1.0	350	11.3	15.1	<0.001	0.18	0.26	2.9	<0.2	0.3	64.7	<0.01	0.14	10.8	<0.005
JN19039-063		1.1	370	6.6	16.6	0.001	0.11	0.24	3.8	<0.2	0.3	41.5	<0.01	0.42	11.3	0.028
JN19039-064		1.0	370	5.1	18.0	<0.001	0.09	0.12	3.7	<0.2	0.4	43.1	<0.01	0.11	11.1	0.033
JN19039-065		1.1	370	4.4	23.8	<0.001	0.04	<0.05	4.3	0.2	0.5	26.2	<0.01	0.02	10.7	0.069
JN19039-066		1.0	370	4.2	22.3	<0.001	0.09	0.07	4.1	<0.2	0.7	35.9	<0.01	0.03	10.2	0.050
JN19039-067		1.0	400	4.9	21.5	0.003	0.10	0.87	3.9	<0.2	0.5	40.5	<0.01	0.58	10.3	0.031
JN19039-068		1.0	390	75.9	17.3	0.005	0.36	1.09	2.2	<0.2	0.5	47.5	<0.01	0.69	11.4	0.005
JN19039-069		1.0	370	53.5	18.2	0.002	0.48	1.05	1.7	0.2	0.5	62.3	<0.01	0.91	9.0	<0.005
JN19039-070		0.9	320	33.5	15.9	0.056	0.32	0.71	2.4	<0.2	0.4	53.3	<0.01	0.88	8.6	0.007
JN19039-071		1.2	320	315	14.6	0.010	1.28	4.05	1.8	0.5	0.9	53.3	<0.01	1.63	7.3	<0.005
JN19039-071D		1.3	320	317	15.6	0.010	1.25	3.87	1.8	0.5	1.0	52.4	<0.01	1.63	7.2	<0.005
JN19039-072		0.9	380	19.0	13.2	0.004	0.30	0.27	2.6	0.4	0.2	66.1	<0.01	0.25	9.5	<0.005
JN19039-072B		<0.2	70	0.5	0.4	<0.001	0.02	<0.05	0.1	1.4	<0.2	83.9	<0.01	0.01	<0.2	<0.005

***** 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: 21-JUL-2019
Account: TELOEX

CERTIFICATE OF ANALYSIS WH19161522

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-AA24 Au ppm 0.005
JN19039-038		0.05	2.93	7	17.35	12.60	22	3.1	0.079
JN19039-039		0.05	2.93	8	35.5	13.20	22	2.9	0.046
JN19039-040		0.04	2.70	5	44.8	12.50	22	3.3	0.051
JN19039-040B		<0.02	0.11	1	0.10	2.29	<2	<0.5	<0.005
JN19039-041		0.05	2.65	6	45.5	11.60	22	3.6	0.055
JN19039-042		0.06	2.56	5	78.3	12.25	20	3.6	0.032
JN19039-043		0.05	2.78	6	81.1	11.55	20	3.5	0.072
JN19039-044		0.05	2.82	4	40.1	12.40	19	3.4	0.016
JN19039-044D		0.04	2.65	4	35.9	11.85	20	3.2	0.015
JN19039-045		0.06	2.88	5	64.7	12.05	24	3.3	0.091
JN19039-046		0.04	2.67	6	30.1	11.95	17	3.2	0.024
JN19039-047		0.06	2.61	6	41.0	12.30	23	3.3	0.073
JN19039-048		0.06	2.68	6	18.80	12.40	20	3.6	0.012
JN19039-049		0.08	2.86	8	17.65	12.70	171	3.5	0.022
JN19039-050		0.09	3.15	5	7.71	12.00	73	3.1	0.024
JN19039-051		0.08	2.79	6	9.19	11.70	28	3.2	0.009
JN19039-052		0.06	3.40	4	5.37	11.40	31	3.5	0.008
JN19039-052S		0.21	1.33	77	2560	4.65	37	2.0	<0.005
JN19039-053		0.05	3.38	6	11.45	13.20	18	2.8	<0.005
JN19039-054		0.06	3.00	8	32.0	13.70	18	3.0	0.035
JN19039-055		0.05	3.09	9	65.3	13.80	17	2.6	0.030
JN19039-056		0.08	3.31	11	97.2	14.15	27	3.2	0.013
JN19039-057		0.09	3.14	10	99.2	13.00	20	2.9	0.027
JN19039-058		0.09	2.96	11	191.5	12.55	30	3.0	0.025
JN19039-059		0.06	3.20	11	35.3	13.00	15	3.1	0.019
JN19039-060		0.09	3.09	13	15.45	13.70	46	3.4	0.008
JN19039-061		0.05	2.96	11	22.8	13.65	17	2.8	0.097
JN19039-062		0.08	2.99	8	18.35	14.15	19	2.6	0.011
JN19039-063		0.08	3.15	15	10.55	14.70	18	2.9	0.048
JN19039-064		0.07	3.39	16	5.02	14.15	19	3.2	0.010
JN19039-065		0.11	3.57	20	4.99	13.90	21	3.6	<0.005
JN19039-066		0.09	3.14	18	8.15	14.00	23	4.0	0.008
JN19039-067		0.09	2.94	16	27.7	13.90	20	4.0	0.181
JN19039-068		0.12	3.54	7	153.0	13.00	82	3.7	0.051
JN19039-069		0.09	3.07	5	19.30	12.50	50	3.4	0.055
JN19039-070		0.10	3.08	7	73.6	11.00	16	3.1	0.184
JN19039-071		0.11	2.44	3	28.5	9.98	122	3.0	0.470
JN19039-071D		0.11	2.80	3	26.4	9.84	118	2.9	0.456
JN19039-072		0.07	3.13	8	11.15	12.80	18	3.0	0.012
JN19039-072B		<0.02	0.22	<1	0.23	2.15	<2	<0.5	<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: 21-JUL-2019
Account: TELOEX

CERTIFICATE OF ANALYSIS WH19161522

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
JN19039-073		3.34	0.26	0.43	0.7	0.02	<10	50	0.48	13.20	1.02	0.03	41.7	2.6	5	3.38
JN19039-073S		0.12	13.60	1.09	461	0.46	<10	150	0.15	14.10	2.82	0.44	13.95	21.2	32	0.64

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Finalized Date: 21-JUL-2019
Account: TELOEX

CERTIFICATE OF ANALYSIS WH19161522

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
JN19039-073		6.8	1.62	2.75	<0.05	0.16	<0.01	0.011	0.21	20.4	12.4	0.23	361	3.78	0.03	0.37
JN19039-073S		7930	3.17	3.60	<0.05	0.15	0.30	0.096	0.18	7.6	5.2	0.34	602	534	0.11	0.27

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Finalized Date: 21-JUL-2019
Account: TELOEX

CERTIFICATE OF ANALYSIS WH19161522

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
JN19039-073		0.9	350	15.2	17.1	<0.001	0.23	0.25	3.2	0.3	0.4	48.1	<0.01	0.33	10.0	0.019
JN19039-073S		23.4	590	25.2	5.5	0.375	0.68	29.5	2.0	1.6	2.2	164.0	<0.01	1.41	1.6	0.068

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Finalized Date: 21-JUL-2019
Account: TELOEX

CERTIFICATE OF ANALYSIS WH19161522

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-AA24 Au ppm 0.005
JN19039-073		0.09	3.74	10	13.00	13.10	18	3.7	0.026
JN19039-073S		0.05	1.60	39	8.27	5.69	53	4.0	0.548

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Finalized Date: 21-JUL-2019
Account: TELOEX

CERTIFICATE OF ANALYSIS WH19161522

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	LOG-22
	LOG-22d	LOG-24	PUL-32m	PUL-32md
	PUL-QC	SPL-21	SPL-21d	WEI-21

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

Applies to Method: Au-AA24 ME-MS41

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook British Columbia V1C 2R7 Canada

Submitted By:	Jesse Campbell
Receiving Lab:	Canada-Whitehorse
Received:	August 01, 2019
Report Date:	August 14, 2019
Page:	1 of 3

CERTIFICATE OF ANALYSIS WHI19000292.1

CLIENT JOB INFORMATION

Project:	Sprogge(Justin)
Shipment ID:	
P.O. Number	JN2019-1
Number of Samples:	36

SAMPLE DISPOSAL

STOR-PLP	Store After 90 days Invoice for Storage
STOR-RJT	Store After 60 days Invoice for Storage

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-500	0	Crush, split and pulverize 500g rock to 200 mesh			WHI
SLBHP	1	Sort, label and box pulps			VAN
FA450	36	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	VAN
EN002	36	Environmental disposal charge-Fire assay lead waste			VAN
AQ250_EXT	36	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN
SHP01	35	Per sample shipping charges for branch shipments			VAN
FA550	1	Lead collection fire assay 50G fusion - Grav finish	50	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook British Columbia V1C 2R7
Canada

CC: Vanessa Beach

JEFFREY CANNON
Geochemistry Department Supervisor

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook British Columbia V1C 2R7 Canada

Project: Sprogge(Justin)
Report Date: August 14, 2019

CERTIFICATE OF ANALYSIS WHI19000292.1

	Method	WGHT	FA450	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1
JN19020-030	Core Reject	1.86	0.016	1.75	3039.61	19.97	80.6	909	52.1	18.0	1342	16.98	59.2	6.5	4.1	12.4	19.4	0.23	19.48	45.69	16
JN19020-031	Core Reject	1.51	0.034	4.38	5038.54	5.04	53.1	1574	26.8	18.2	2258	30.05	133.0	5.8	9.3	3.8	18.6	0.36	35.55	283.09	18
JN19020-031B	Core Reject	6.63	<0.005	0.02	2.61	0.33	0.9	4	<0.1	<0.1	72	0.08	1.0	<0.1	<0.2	<0.1	78.1	0.02	0.04	0.10	<1
JN19020-032	Core Reject	1.75	0.028	4.33	5784.84	3.84	37.6	1957	28.7	19.9	1382	32.24	479.5	3.9	5.9	4.6	13.6	0.41	44.13	128.78	20
JN19020-033	Core Reject	1.44	0.037	2.24	6298.02	2.76	59.8	2457	38.9	48.5	726	28.40	6534.7	1.8	11.6	1.8	12.1	0.58	47.41	186.93	12
JN19020-034	Core Reject	2.49	0.114	2.45	4181.32	4.19	42.7	1388	26.2	22.9	1502	30.14	1204.9	2.4	57.3	1.9	10.2	0.16	47.96	119.42	8
JN19020-035	Core Reject	2.11	0.236	1.40	4207.55	2.95	47.9	1184	5.6	27.4	2650	27.25	87.2	2.8	181.7	2.2	9.3	0.04	6.28	386.53	8
JN19020-036	Core Reject	3.86	0.735	1.12	3396.66	2.16	56.5	1055	9.8	45.1	1888	28.50	47.7	2.4	671.8	1.7	5.2	0.03	79.86	405.92	7
JN19020-037	Core Reject	2.36	1.113	1.15	66.03	2.94	79.1	344	14.0	12.5	9050	21.62	14.5	3.1	879.2	7.9	10.8	0.05	5.21	953.37	36
JN19020-038	Core Reject	3.24	0.337	0.30	78.04	3.60	60.7	210	21.0	9.8	5788	14.57	6.8	1.6	367.8	14.3	21.3	0.06	0.62	132.28	43
JN19020-039	Core Reject	4.44	0.086	0.26	19.66	1.61	55.1	57	4.7	3.9	5530	15.48	5.8	1.7	72.6	5.1	14.3	0.07	0.51	28.56	27
JN19020-040	Core Reject	2.83	1.239	1.50	16.06	5.02	90.0	271	7.3	5.9	3757	11.26	3.2	5.7	1278.4	14.1	39.1	0.07	0.28	384.69	26
JN19020-041	Core Reject	4.54	0.618	0.09	263.21	1.57	55.0	382	3.4	6.6	3159	11.18	2.9	4.2	628.0	6.0	30.5	0.06	0.48	206.85	20
JN19020-042	Core Reject	3.61	0.897	0.39	1572.49	1.95	92.0	1616	12.7	26.9	4040	18.35	15.6	3.5	873.3	6.5	26.2	0.41	1.35	131.02	24
JN19020-043	Core Reject	5.05	0.499	0.51	123.76	1.84	54.7	172	7.2	6.7	3104	9.46	3.7	5.6	467.0	8.9	37.8	0.05	1.67	60.44	23
JN19020-044	Core Reject	4.86	2.905	0.70	49.39	1.65	34.4	347	4.3	6.1	1574	6.89	1.9	2.4	3061.4	8.3	40.4	0.02	0.47	373.02	14
JN19020-045	Core Reject	3.59	1.029	4.89	25.39	11.67	22.7	194	1.7	3.1	299	2.12	1.6	3.0	956.3	13.4	14.5	0.11	0.79	160.34	15
JN19020-046	Core Reject	2.73	0.125	1.32	21.65	10.18	22.2	67	1.6	2.7	328	1.84	1.3	2.9	106.2	14.6	25.6	0.13	0.32	22.18	14
JN19020-047	Core Reject	3.91	0.612	1.35	33.96	13.33	39.0	203	1.6	2.8	394	2.14	11.3	3.0	798.6	14.2	17.4	0.09	0.27	74.89	15
JN19020-048	Core Reject	3.64	>10	1.10	725.85	2.46	97.1	1254	12.5	26.5	7335	20.05	30.5	6.3	10643.6	3.0	11.2	0.11	3.72	935.10	9
JN19020-049	Core Reject	3.33	0.999	0.20	63.67	1.28	148.0	130	8.9	19.1	>10000	31.24	2.9	7.3	943.5	2.7	30.6	0.07	0.88	152.61	10
JN19021-026S	Rock Pulp	0.12	0.460	614.09	7799.26	28.84	56.8	14251	26.1	21.4	653	3.29	474.8	1.8	447.8	1.9	169.2	0.58	25.85	16.73	42
JN19021-037	Core Reject	2.71	0.019	4.42	2048.97	2.48	39.8	786	21.1	40.9	2708	37.33	130.5	4.2	0.9	1.4	9.3	0.04	18.28	64.56	8
JN19021-038	Core Reject	1.47	0.017	1.76	6813.72	2.75	44.0	1590	11.8	44.3	1475	38.45	87.3	4.2	<0.2	1.1	6.2	0.08	0.65	46.17	4
JN19021-039	Core Reject	4.27	0.017	0.28	6278.09	1.99	42.7	1444	5.2	46.7	831	>40	32.2	2.9	<0.2	1.6	5.0	0.05	1.83	43.88	8
JN19021-040	Core Reject	2.25	0.022	0.32	4143.21	1.79	33.0	1216	5.1	53.3	388	36.87	26.4	2.5	<0.2	1.1	5.9	0.07	1.55	116.10	9
JN19021-041	Core Reject	5.25	0.060	0.22	3436.13	1.49	52.8	2596	11.3	50.2	1457	18.16	2.8	2.4	42.4	1.1	5.4	0.39	1.48	492.92	5
JN19021-042	Core Reject	3.45	0.258	0.45	3965.33	1.26	48.5	3102	10.9	37.9	1124	11.49	39.1	0.9	230.8	1.0	2.4	0.39	1.62	501.93	2
JN19021-043	Core Reject	6.70	0.640	0.20	7400.00	1.97	162.9	5641	22.1	56.2	896	15.39	3.1	3.6	625.0	1.8	2.1	1.19	0.62	853.98	8
JN19021-044	Core Reject	1.46	0.623	1.52	1423.26	3.35	47.1	1744	42.0	72.2	582	15.74	8.2	2.4	557.6	2.7	12.3	0.15	4.09	382.16	6

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Project: Sprogge(Justin)
Report Date: August 14, 2019

CERTIFICATE OF ANALYSIS WHI19000292.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
	Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
	MDL	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
JN19020-030	Core Reject	0.63	0.045	23.7	12.8	0.17	32.8	0.001	<20	0.87	0.003	0.11	4.0	3.8	4.53	9.93	180	1.7	0.02	6.8	0.86
JN19020-031	Core Reject	0.43	0.010	20.3	11.6	0.11	13.5	0.003	<20	0.49	0.002	0.04	22.8	6.3	4.42	>10	<5	7.4	0.05	15.9	0.78
JN19020-031B	Core Reject	32.35	0.006	1.0	1.1	0.51	9.9	0.001	<20	0.02	0.002	0.03	<0.1	0.2	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
JN19020-032	Core Reject	0.32	0.004	14.7	14.3	0.12	11.0	0.002	<20	0.49	<0.001	0.05	17.8	4.4	1.82	>10	20	10.8	0.03	7.9	0.62
JN19020-033	Core Reject	0.22	0.003	5.7	9.1	0.12	8.6	<0.001	<20	0.23	<0.001	0.02	17.5	4.4	12.87	>10	90	12.3	0.02	4.8	0.26
JN19020-034	Core Reject	0.44	0.022	11.7	7.0	0.14	4.8	<0.001	<20	0.23	<0.001	0.02	10.4	2.6	4.84	>10	308	8.9	0.14	5.2	0.29
JN19020-035	Core Reject	3.01	0.018	5.0	10.7	0.20	5.5	0.019	<20	0.61	0.047	0.08	11.9	1.5	0.17	>10	<5	9.2	2.79	18.9	1.29
JN19020-036	Core Reject	2.15	0.029	4.9	10.2	0.19	4.3	0.013	<20	0.61	0.034	0.06	2.7	1.4	3.06	>10	166	9.7	2.99	14.1	0.94
JN19020-037	Core Reject	2.04	0.020	18.8	21.4	0.56	10.0	0.003	<20	0.74	0.003	0.03	7.1	13.1	0.83	3.05	61	0.2	9.72	5.3	0.91
JN19020-038	Core Reject	4.75	0.018	46.4	42.5	0.24	16.0	0.017	<20	1.90	0.004	0.06	0.3	11.0	0.15	0.43	15	<0.1	1.30	9.3	4.53
JN19020-039	Core Reject	10.70	0.033	6.6	26.7	0.17	5.6	0.072	<20	2.32	0.002	0.03	1.0	4.9	0.02	0.20	<5	<0.1	0.28	11.8	2.81
JN19020-040	Core Reject	3.19	0.056	35.3	33.0	0.33	18.8	0.042	<20	1.90	0.012	0.06	0.2	5.8	0.04	0.03	<5	<0.1	5.54	12.9	2.31
JN19020-041	Core Reject	5.62	0.019	12.3	20.3	0.19	16.3	0.063	<20	2.01	0.118	0.24	1.0	2.7	0.07	0.47	<5	0.2	2.58	17.1	3.23
JN19020-042	Core Reject	3.66	0.035	9.3	22.2	0.23	11.2	0.033	<20	1.39	0.056	0.10	6.1	4.3	0.40	6.02	12	2.9	0.86	11.8	0.82
JN19020-043	Core Reject	5.09	0.016	25.7	22.9	0.18	8.6	0.081	<20	2.22	0.084	0.13	2.7	3.3	0.08	0.52	5	0.1	0.73	12.6	1.54
JN19020-044	Core Reject	3.81	0.031	14.4	10.9	0.20	6.6	0.075	<20	2.16	0.201	0.32	3.5	2.7	0.05	0.23	<5	<0.1	8.28	20.5	1.64
JN19020-045	Core Reject	0.79	0.039	25.8	5.2	0.24	53.9	0.036	<20	0.86	0.032	0.20	0.2	3.4	0.09	0.16	<5	0.2	3.61	4.9	2.10
JN19020-046	Core Reject	1.55	0.043	32.2	5.0	0.24	30.5	0.015	<20	0.84	0.035	0.16	<0.1	3.3	0.06	0.15	<5	<0.1	0.31	5.1	1.44
JN19020-047	Core Reject	0.72	0.040	26.8	4.8	0.25	26.7	0.029	<20	0.76	0.031	0.14	0.3	3.2	0.07	0.12	<5	<0.1	1.91	4.8	1.31
JN19020-048	Core Reject	1.59	0.020	15.7	8.0	0.19	10.4	0.004	<20	0.52	0.003	<0.01	1.2	1.2	0.07	3.13	<5	2.2	21.83	14.2	0.23
JN19020-049	Core Reject	3.34	0.017	13.4	7.4	0.40	24.7	0.005	<20	0.54	0.005	<0.01	2.2	3.7	0.06	0.27	<5	0.1	2.35	19.3	0.24
JN19021-026S	Rock Pulp	2.97	0.063	8.3	34.4	0.36	154.8	0.069	<20	1.14	0.109	0.20	6.3	2.0	0.06	0.62	314	0.9	1.60	3.7	0.66
JN19021-037	Core Reject	1.06	0.010	7.8	6.9	0.35	6.4	0.006	<20	0.33	<0.001	<0.01	24.4	2.0	0.15	>10	<5	5.0	<0.02	12.3	0.35
JN19021-038	Core Reject	0.79	0.023	6.5	5.4	0.10	5.7	0.008	<20	0.35	0.012	0.03	37.5	0.8	0.08	>10	<5	6.2	<0.02	16.1	0.45
JN19021-039	Core Reject	3.00	0.020	14.0	8.3	0.63	9.1	0.033	<20	0.68	0.073	0.30	>100	1.4	0.15	>10	<5	11.0	0.03	35.2	4.25
JN19021-040	Core Reject	5.11	0.012	3.6	8.2	0.57	10.0	0.027	32	0.50	0.020	0.52	51.1	2.0	0.20	>10	<5	21.1	0.02	24.4	5.45
JN19021-041	Core Reject	3.86	0.023	7.7	6.6	0.17	3.2	0.035	<20	0.45	0.036	0.08	95.5	0.7	0.05	5.55	<5	7.4	0.22	15.4	2.16
JN19021-042	Core Reject	1.44	0.009	4.8	6.0	0.12	2.8	0.013	<20	0.22	0.030	0.05	9.0	0.6	0.02	2.92	<5	5.2	1.12	9.5	1.37
JN19021-043	Core Reject	2.01	0.013	8.0	11.9	0.19	2.3	0.033	<20	0.69	0.072	0.21	33.4	1.2	0.10	8.32	<5	8.2	2.99	24.1	3.12
JN19021-044	Core Reject	0.88	0.013	9.8	16.8	0.28	47.4	0.015	<20	0.72	0.024	0.25	12.2	1.0	0.37	9.14	<5	9.8	2.06	12.7	6.76

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Project: Sprogge(Justin)
Report Date: August 14, 2019

CERTIFICATE OF ANALYSIS WHI19000292.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	FA550
	Analyte	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	gm/t
	MDL	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.9
JN19020-030	Core Reject	0.2	0.31	<0.02	5.7	48.9	<0.05	10.8	7.95	39.1	5.16	2	4.0	11.2	<10	4	
JN19020-031	Core Reject	3.7	0.21	0.05	5.5	81.6	<0.05	8.1	12.08	36.9	6.96	3	3.1	4.3	<10	<2	
JN19020-031B	Core Reject	<0.1	<0.02	<0.02	0.3	<0.1	<0.05	0.2	1.85	0.8	<0.02	<1	<0.1	0.4	<10	<2	
JN19020-032	Core Reject	1.7	0.16	0.04	6.3	36.0	<0.05	4.8	7.51	28.5	2.04	<1	2.8	3.1	<10	<2	
JN19020-033	Core Reject	1.6	0.05	<0.02	1.2	17.1	<0.05	2.1	5.24	11.2	2.32	1	1.2	2.6	<10	<2	
JN19020-034	Core Reject	0.9	0.05	<0.02	1.8	99.1	<0.05	2.4	4.02	20.9	4.76	<1	1.2	1.9	<10	<2	
JN19020-035	Core Reject	12.6	0.23	0.53	2.9	>100	<0.05	9.3	4.12	9.8	9.20	<1	4.5	4.5	<10	<2	
JN19020-036	Core Reject	12.8	0.17	0.35	2.8	>100	<0.05	6.8	3.51	9.4	7.55	<1	1.8	2.9	<10	4	
JN19020-037	Core Reject	0.3	0.19	<0.02	2.7	77.0	<0.05	6.6	18.18	34.7	6.83	<1	1.8	4.4	<10	<2	
JN19020-038	Core Reject	0.9	0.22	0.03	6.9	>100	<0.05	7.7	25.98	81.2	4.00	<1	2.5	8.2	<10	<2	
JN19020-039	Core Reject	3.4	0.44	0.04	4.5	>100	<0.05	19.4	15.69	17.7	4.00	<1	2.3	5.5	<10	<2	
JN19020-040	Core Reject	1.2	0.17	<0.02	5.6	>100	<0.05	7.4	16.10	64.1	3.52	<1	5.7	26.7	<10	2	
JN19020-041	Core Reject	3.8	0.38	0.11	7.6	>100	<0.05	13.6	8.79	26.5	3.43	<1	3.9	19.0	<10	5	
JN19020-042	Core Reject	2.8	0.46	0.09	2.5	>100	<0.05	17.1	11.34	22.6	4.24	<1	3.7	8.4	<10	<2	
JN19020-043	Core Reject	2.3	0.58	0.14	3.6	>100	<0.05	17.8	10.78	46.2	2.40	<1	3.8	15.8	<10	<2	
JN19020-044	Core Reject	4.0	0.45	0.25	7.7	>100	<0.05	15.4	10.81	28.8	1.75	<1	3.5	16.0	<10	4	
JN19020-045	Core Reject	0.3	0.11	0.06	15.1	3.2	<0.05	3.1	13.16	50.4	0.07	2	0.8	18.7	<10	<2	
JN19020-046	Core Reject	0.2	0.11	0.03	10.9	2.5	<0.05	4.6	16.63	61.9	0.09	<1	1.1	16.0	<10	2	
JN19020-047	Core Reject	0.1	0.11	0.09	9.2	2.7	<0.05	2.5	12.41	53.3	0.13	<1	1.0	15.9	<10	<2	
JN19020-048	Core Reject	3.8	0.19	<0.02	0.3	73.2	<0.05	7.7	17.66	38.7	4.26	<1	4.8	2.6	17	<2	10.9
JN19020-049	Core Reject	2.1	0.15	0.02	0.2	83.6	<0.05	9.1	19.81	32.9	5.35	<1	8.6	3.8	<10	3	
JN19021-026S	Rock Pulp	0.2	0.11	0.09	5.8	2.2	<0.05	3.5	5.72	13.9	0.12	389	0.4	5.7	<10	3	
JN19021-037	Core Reject	4.3	0.11	0.10	0.4	>100	<0.05	4.9	8.46	14.7	6.01	1	7.9	3.7	<10	<2	
JN19021-038	Core Reject	6.6	0.11	0.14	1.3	>100	<0.05	4.8	7.45	11.1	4.22	1	11.4	3.3	<10	<2	
JN19021-039	Core Reject	18.1	0.26	0.91	39.8	>100	<0.05	9.9	7.03	24.9	3.70	2	13.2	48.2	<10	<2	
JN19021-040	Core Reject	11.5	0.26	0.74	74.4	33.8	<0.05	8.6	9.21	7.4	1.55	<1	2.7	124.0	<10	2	
JN19021-041	Core Reject	11.7	0.24	0.61	5.2	>100	<0.05	9.1	7.71	14.7	4.44	<1	2.5	4.0	<10	3	
JN19021-042	Core Reject	7.1	0.08	0.06	3.8	61.4	<0.05	3.8	3.21	8.8	2.29	<1	3.4	3.5	<10	3	
JN19021-043	Core Reject	8.3	0.36	0.26	17.2	>100	<0.05	11.8	8.46	19.4	4.57	<1	4.1	10.1	<10	3	
JN19021-044	Core Reject	3.5	0.15	0.20	38.9	38.6	<0.05	5.2	6.14	22.9	0.60	<1	4.0	20.2	<10	4	

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Project: Sprogge(Justin)
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CERTIFICATE OF ANALYSIS WHI19000292.1

	Method	WGHT	FA450	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1
JN19021-045	Core Reject	1.56	3.780	0.88	5626.54	90.03	166.7	5097	22.0	24.9	704	8.69	23.4	0.8	3654.4	1.5	9.4	1.12	7.36	1494.83	13
JN19021-046	Core Reject	1.20	0.056	1.68	57.88	2.23	44.0	76	37.1	10.0	242	2.90	6.8	2.3	47.2	16.3	26.0	0.03	0.24	10.23	50
JN19039-031	Core Reject	3.87	0.271	3.67	5.71	16.53	17.7	61	1.2	2.6	304	1.59	2.4	2.7	341.2	10.3	52.4	0.03	0.14	53.92	4
JN19039-032	Core Reject	3.94	0.071	2.98	2.10	8.38	21.0	21	0.6	2.7	281	1.66	2.6	2.7	73.2	11.6	49.2	0.03	0.22	19.91	5
JN19039-033	Core Reject	2.96	0.192	12.99	2.73	9.81	21.2	40	0.6	2.6	310	1.68	3.0	2.7	167.0	13.1	56.5	0.04	0.34	43.23	3
JN19039-034	Core Reject	2.07	1.937	98.50	3.29	153.73	12.9	692	0.9	0.8	119	0.80	313.8	0.8	2139.2	3.9	16.6	0.22	7.30	800.37	<1

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	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
	Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
	MDL	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
JN19021-045	Core Reject	0.84	0.013	17.1	17.1	0.83	11.7	0.017	<20	0.80	0.008	0.48	>100	2.3	0.62	3.59	<5	3.0	14.15	18.3	14.51
JN19021-046	Core Reject	0.87	0.016	27.3	48.6	0.96	65.0	0.079	<20	2.18	0.039	1.13	>100	7.7	0.77	0.09	<5	<0.1	0.14	7.8	13.41
JN19039-031	Core Reject	2.18	0.033	21.9	3.3	0.28	21.8	<0.001	<20	0.40	0.009	0.20	59.5	2.2	0.05	0.05	<5	<0.1	1.34	1.0	4.04
JN19039-032	Core Reject	1.83	0.034	22.0	3.3	0.27	23.0	<0.001	<20	0.39	0.016	0.21	61.4	2.9	0.05	0.05	<5	<0.1	0.32	1.1	4.81
JN19039-033	Core Reject	1.86	0.032	22.4	3.1	0.29	22.6	<0.001	<20	0.39	0.012	0.20	29.3	3.1	0.05	0.03	<5	<0.1	0.87	0.9	4.41
JN19039-034	Core Reject	0.60	0.010	6.0	11.4	0.08	10.9	<0.001	<20	0.14	0.004	0.09	100.0	0.9	0.07	0.08	<5	<0.1	14.78	0.5	1.45

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Project: Sprogge(Justin)
Report Date: August 14, 2019

CERTIFICATE OF ANALYSIS WHI19000292.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	FA550
	Analyte	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	gm/t
	MDL	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.9
JN19021-045	Core Reject	1.6	0.21	0.34	96.9	21.3	<0.05	6.8	12.79	32.1	1.32	2	2.8	72.7	<10	<2	
JN19021-046	Core Reject	0.2	0.14	0.06	133.9	2.3	<0.05	5.1	6.24	49.6	<0.02	<1	1.2	113.6	<10	5	
JN19039-031	Core Reject	<0.1	0.04	<0.02	13.0	0.2	<0.05	1.2	11.78	44.4	<0.02	<1	1.4	4.5	<10	<2	
JN19039-032	Core Reject	<0.1	0.04	<0.02	12.4	0.2	<0.05	1.3	11.41	47.8	<0.02	<1	1.1	5.1	<10	<2	
JN19039-033	Core Reject	<0.1	0.06	<0.02	12.3	<0.1	<0.05	1.5	11.73	48.9	<0.02	2	1.0	3.6	15	<2	
JN19039-034	Core Reject	<0.1	0.02	<0.02	5.5	<0.1	<0.05	1.2	5.10	13.0	<0.02	2	0.3	1.8	94	<2	

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QUALITY CONTROL REPORT WHI19000292.1

	Method	WGHT	FA450	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1
Pulp Duplicates																					
JN19020-048	Core Reject	3.64	>10	1.10	725.85	2.46	97.1	1254	12.5	26.5	7335	20.05	30.5	6.3	10643.6	3.0	11.2	0.11	3.72	935.10	9
REP JN19020-048	QC																				
JN19021-038	Core Reject	1.47	0.017	1.76	6813.72	2.75	44.0	1590	11.8	44.3	1475	38.45	87.3	4.2	<0.2	1.1	6.2	0.08	0.65	46.17	4
REP JN19021-038	QC			1.68	6813.80	2.63	43.2	1516	12.6	45.3	1472	38.86	88.4	4.0	1.2	1.0	5.8	0.10	0.65	43.71	4
JN19021-046	Core Reject	1.20	0.056	1.68	57.88	2.23	44.0	76	37.1	10.0	242	2.90	6.8	2.3	47.2	16.3	26.0	0.03	0.24	10.23	50
REP JN19021-046	QC		0.056																		
JN19039-032	Core Reject	3.94	0.071	2.98	2.10	8.38	21.0	21	0.6	2.7	281	1.66	2.6	2.7	73.2	11.6	49.2	0.03	0.22	19.91	5
REP JN19039-032	QC			3.10	2.06	8.74	21.9	24	0.7	2.8	297	1.73	2.4	2.8	52.2	13.3	53.6	0.02	0.24	19.97	5
Core Reject Duplicates																					
JN19020-030	Core Reject	1.86	0.016	1.75	3039.61	19.97	80.6	909	52.1	18.0	1342	16.98	59.2	6.5	4.1	12.4	19.4	0.23	19.48	45.69	16
DUP JN19020-030	QC		0.014	1.62	2953.25	21.02	84.6	855	52.9	18.2	1323	17.01	57.2	6.5	4.1	12.3	19.6	0.23	19.79	44.96	16
JN19039-034	Core Reject	2.07	1.937	98.50	3.29	153.73	12.9	692	0.9	0.8	119	0.80	313.8	0.8	2139.2	3.9	16.6	0.22	7.30	800.37	<1
DUP JN19039-034	QC		1.873	102.93	3.08	150.16	12.3	671	0.8	0.8	122	0.84	317.9	0.8	2201.3	3.3	17.1	0.24	7.24	792.91	1
Reference Materials																					
STD AGPROOF	Standard																				
STD BVGEO01	Standard			11.28	4334.10	193.65	1699.5	2458	156.3	22.7	709	3.63	107.3	3.6	187.2	17.3	49.6	5.58	3.06	23.11	70
STD DS11	Standard			14.45	148.33	143.79	335.4	1672	78.1	13.4	984	3.05	42.1	2.9	59.5	8.4	67.0	2.44	7.92	11.91	46
STD OREAS262	Standard			0.74	109.62	57.84	144.4	464	65.8	26.4	561	3.26	34.2	1.2	73.9	10.5	33.2	0.63	4.53	1.01	21
STD OREAS262	Standard			0.68	123.26	60.94	154.9	444	69.5	28.2	553	3.45	36.7	1.3	64.8	9.8	37.7	0.70	2.89	1.10	22
STD OXC145	Standard		0.215																		
STD OXH139	Standard		1.313																		
STD OXN134	Standard		7.700																		
STD OXQ114	Standard																				
STD SP49	Standard																				
STD BVGEO01 Expected				10.8	4415	187	1741	2530	163	25	733	3.7	121	3.77	219	14.4	55	6.5	2.2	25.6	73
STD OXC145 Expected			0.212																		
STD OXH139 Expected			1.312																		
STD OXN134 Expected			7.667																		

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Project: Sprogge(Justin)
Report Date: August 14, 2019

QUALITY CONTROL REPORT WHI19000292.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
	Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
	MDL	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
Pulp Duplicates																					
JN19020-048	Core Reject	1.59	0.020	15.7	8.0	0.19	10.4	0.004	<20	0.52	0.003	<0.01	1.2	1.2	0.07	3.13	<5	2.2	21.83	14.2	0.23
REP JN19020-048	QC																				
JN19021-038	Core Reject	0.79	0.023	6.5	5.4	0.10	5.7	0.008	<20	0.35	0.012	0.03	37.5	0.8	0.08	>10	<5	6.2	<0.02	16.1	0.45
REP JN19021-038	QC	0.78	0.024	6.4	5.2	0.09	5.6	0.008	<20	0.34	0.010	0.02	37.0	0.9	0.06	>10	<5	5.9	<0.02	16.5	0.47
JN19021-046	Core Reject	0.87	0.016	27.3	48.6	0.96	65.0	0.079	<20	2.18	0.039	1.13	>100	7.7	0.77	0.09	<5	<0.1	0.14	7.8	13.41
REP JN19021-046	QC																				
JN19039-032	Core Reject	1.83	0.034	22.0	3.3	0.27	23.0	<0.001	<20	0.39	0.016	0.21	61.4	2.9	0.05	0.05	<5	<0.1	0.32	1.1	4.81
REP JN19039-032	QC	1.87	0.036	22.4	3.4	0.28	24.2	<0.001	<20	0.38	0.017	0.20	62.9	3.1	0.06	0.06	8	<0.1	0.46	1.0	5.04
Core Reject Duplicates																					
JN19020-030	Core Reject	0.63	0.045	23.7	12.8	0.17	32.8	0.001	<20	0.87	0.003	0.11	4.0	3.8	4.53	9.93	180	1.7	0.02	6.8	0.86
DUP JN19020-030	QC	0.63	0.045	24.4	12.6	0.17	32.7	0.001	<20	0.85	0.002	0.11	3.5	3.8	4.76	9.79	165	2.0	0.05	6.5	0.85
JN19039-034	Core Reject	0.60	0.010	6.0	11.4	0.08	10.9	<0.001	<20	0.14	0.004	0.09	100.0	0.9	0.07	0.08	<5	<0.1	14.78	0.5	1.45
DUP JN19039-034	QC	0.62	0.011	6.2	10.4	0.08	11.2	<0.001	<20	0.15	0.004	0.09	>100	1.0	0.07	0.08	<5	<0.1	15.28	0.5	1.53
Reference Materials																					
STD AGPROOF	Standard																				
STD BVGEO01	Standard	1.28	0.064	23.6	195.2	1.28	338.7	0.231	<20	2.28	0.180	0.86	4.5	6.6	0.62	0.66	82	4.6	0.99	7.0	7.30
STD DS11	Standard	1.02	0.069	18.5	57.5	0.83	432.2	0.092	<20	1.16	0.070	0.39	3.0	3.1	4.91	0.26	287	2.5	4.52	4.5	2.81
STD OREAS262	Standard	2.95	0.038	15.0	45.0	1.18	267.1	0.003	<20	1.28	0.068	0.30	0.2	3.8	0.49	0.26	157	0.1	0.22	3.8	2.95
STD OREAS262	Standard	3.19	0.039	17.0	44.2	1.23	258.2	0.003	<20	1.33	0.070	0.32	<0.1	3.2	0.47	0.26	202	0.6	0.27	3.9	2.52
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXN134	Standard																				
STD OXQ114	Standard																				
STD SP49	Standard																				
STD BVGEO01 Expected		1.3219	0.0727	25.9	171	1.2963	340	0.233		2.347	0.1924	0.89	3.5	5.97	0.62	0.6655	100	4.84	1.02	7.37	7.36
STD OXC145 Expected																					
STD OXH139 Expected																					
STD OXN134 Expected																					

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Project: Sprogge(Justin)
Report Date: August 14, 2019

QUALITY CONTROL REPORT WHI19000292.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	FA550
	Analyte	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	gm/t
	MDL	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.9
Pulp Duplicates																	
JN19020-048	Core Reject	3.8	0.19	<0.02	0.3	73.2	<0.05	7.7	17.66	38.7	4.26	<1	4.8	2.6	17	<2	10.9
REP JN19020-048	QC																10.8
JN19021-038	Core Reject	6.6	0.11	0.14	1.3	>100	<0.05	4.8	7.45	11.1	4.22	1	11.4	3.3	<10	<2	
REP JN19021-038	QC	7.0	0.10	0.12	1.3	>100	<0.05	4.6	7.20	11.2	4.21	<1	12.9	3.2	<10	<2	
JN19021-046	Core Reject	0.2	0.14	0.06	133.9	2.3	<0.05	5.1	6.24	49.6	<0.02	<1	1.2	113.6	<10	5	
REP JN19021-046	QC																
JN19039-032	Core Reject	<0.1	0.04	<0.02	12.4	0.2	<0.05	1.3	11.41	47.8	<0.02	<1	1.1	5.1	<10	<2	
REP JN19039-032	QC	<0.1	0.06	<0.02	12.9	<0.1	<0.05	1.5	12.28	49.4	<0.02	<1	1.2	5.3	<10	<2	
Core Reject Duplicates																	
JN19020-030	Core Reject	0.2	0.31	<0.02	5.7	48.9	<0.05	10.8	7.95	39.1	5.16	2	4.0	11.2	<10	4	
DUP JN19020-030	QC	0.2	0.26	<0.02	5.6	47.7	<0.05	10.7	7.98	39.9	5.05	3	4.4	11.2	<10	<2	
JN19039-034	Core Reject	<0.1	0.02	<0.02	5.5	<0.1	<0.05	1.2	5.10	13.0	<0.02	2	0.3	1.8	94	<2	
DUP JN19039-034	QC	<0.1	0.03	<0.02	5.8	<0.1	<0.05	0.9	5.07	13.6	<0.02	3	0.3	1.8	90	<2	
Reference Materials																	
STD AGPROOF	Standard																<0.9
STD BVGEO01	Standard	0.2	0.25	0.23	92.7	5.1	<0.05	7.4	13.10	52.5	0.44	5	0.6	18.4	113	179	
STD DS11	Standard	<0.1	0.05	1.19	31.6	1.4	<0.05	2.3	7.91	37.3	0.28	56	0.9	21.3	88	151	
STD OREAS262	Standard	<0.1	0.16	<0.02	17.5	0.4	<0.05	7.1	10.20	32.6	0.03	1	1.0	15.8	<10	<2	
STD OREAS262	Standard	<0.1	0.13	0.03	18.4	0.5	<0.05	4.6	10.69	34.5	0.03	<1	1.1	17.5	<10	<2	
STD OXC145	Standard																
STD OXH139	Standard																
STD OXN134	Standard																
STD OXQ114	Standard																35.2
STD SP49	Standard																18.4
STD BVGEO01 Expected		0.15	0.32	0.23	95	5.64		9.1	14.5	53	0.47	4	0.69	21.4	134	182	
STD OXC145 Expected																	
STD OXH139 Expected																	
STD OXN134 Expected																	

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QUALITY CONTROL REPORT WHI19000292.1

		WGHT	FA450	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		kg	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1
STD DS11 Expected				13.9	149	138	345	1710	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3	2.37	7.2	12.2	50
STD OREAS262 Expected				0.68	118	56	154	450	62	26.9	530	3.284	35.8	1.22	65	9.33	36	0.61	3.39	1.03	22.5
STD AGPROOF Expected																					
STD SP49 Expected																					
STD OXQ114 Expected																					
BLK	Blank			0.02	0.09	0.03	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.01	0.06	0.03	<0.1	<2	<0.1	<0.1	<1	<0.01	0.3	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank		<0.005	1.14	2.73	8.56	46.5	19	1.0	3.3	497	1.88	1.1	0.5	0.3	2.4	23.4	0.13	0.06	<0.02	23
ROCK-WHI	Prep Blank		<0.005	0.92	2.36	5.33	41.0	16	1.0	3.6	518	1.91	1.3	0.4	<0.2	2.7	23.6	0.06	0.03	<0.02	23

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		AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
STD DS11 Expected		1.063	0.0701	18.6	61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	3.1	4.9	0.2835	260	2.2	4.56	4.7	2.88
STD OREAS262 Expected		2.98	0.04	15.9	41.7	1.17	248	0.003		1.204	0.071	0.312	0.13	3.24	0.47	0.253	170	0.4	0.23	3.73	2.8
STD AGPROOF Expected																					
STD SP49 Expected																					
STD OXQ114 Expected																					
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank	0.67	0.042	6.4	2.2	0.44	83.3	0.086	<20	0.92	0.093	0.09	<0.1	2.5	<0.02	<0.02	23	<0.1	<0.02	3.6	0.18
ROCK-WHI	Prep Blank	0.71	0.042	6.3	2.4	0.46	72.1	0.077	<20	0.95	0.086	0.09	0.1	3.0	<0.02	<0.02	<5	<0.1	<0.02	3.8	0.18

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Project: Sprogge(Justin)
Report Date: August 14, 2019

QUALITY CONTROL REPORT WHI19000292.1

		AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	FA550
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Au
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	gm/t
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.9
STD DS11 Expected		0.08	0.06	1.2	33.6	1.8		2.4	7.82	37	0.24	50	0.67	23.3	100	172	
STD OREAS262 Expected			0.27		18.6	0.5		8.3	11.2	32	0.033		1.14	17.8			
STD AGPROOF Expected																	0
STD SP49 Expected																	18.34
STD OXQ114 Expected																	35.2
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank																
BLK	Blank																
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank																<0.9
Prep Wash																	
ROCK-WHI	Prep Blank	<0.1	0.07	0.21	2.1	0.3	<0.05	2.4	9.23	13.2	<0.02	<1	0.4	1.9	<10	<2	
ROCK-WHI	Prep Blank	0.1	0.11	0.19	2.1	0.3	<0.05	2.7	8.51	12.7	<0.02	<1	0.1	1.7	<10	<2	