Technical Report for the Justin Property Target Evaluation Program (YMEP Project 14-105) Yukon Territory

Volume I – Report

61º39'N, 128º6'W

NTS Mapsheet 105 H 09

Watson Lake Mining District

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INTRODUCTION

Location and Access

The Justin Property is located in southeastern Yukon Territory approximately 190 kilometres north of Watson Lake (Figure 1). The claim group is located within the Watson Lake Mining District, NTS Mapsheet 105 H 09 with a centroid lat and long 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. The claims are owned 100% by Aben Resources, with an underlying 1% NSR held by Bernie Kreft of Whitehorse, Yukon and an underlying 2% NSR held by Gold Royalties Corporation. Aben Resources holds the right to purchase one-half of the Justin royalties from Gold Royalties and all of the Justin royalties held by Bernie Kreft for a one time cash payment of $1,000,000 each.

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

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

The property is covered by fairly rugged glaciated terrain typical of the Logan Mountains with elevations ranging from 1300 to 2000 meters. A prominent ridge underlies most of the property, with steep south facing slopes and somewhat more moderate north facing slopes. The property is crossed with several N-S trending valleys with deep WNW trending glacial valleys along the northern and southern property boundaries.


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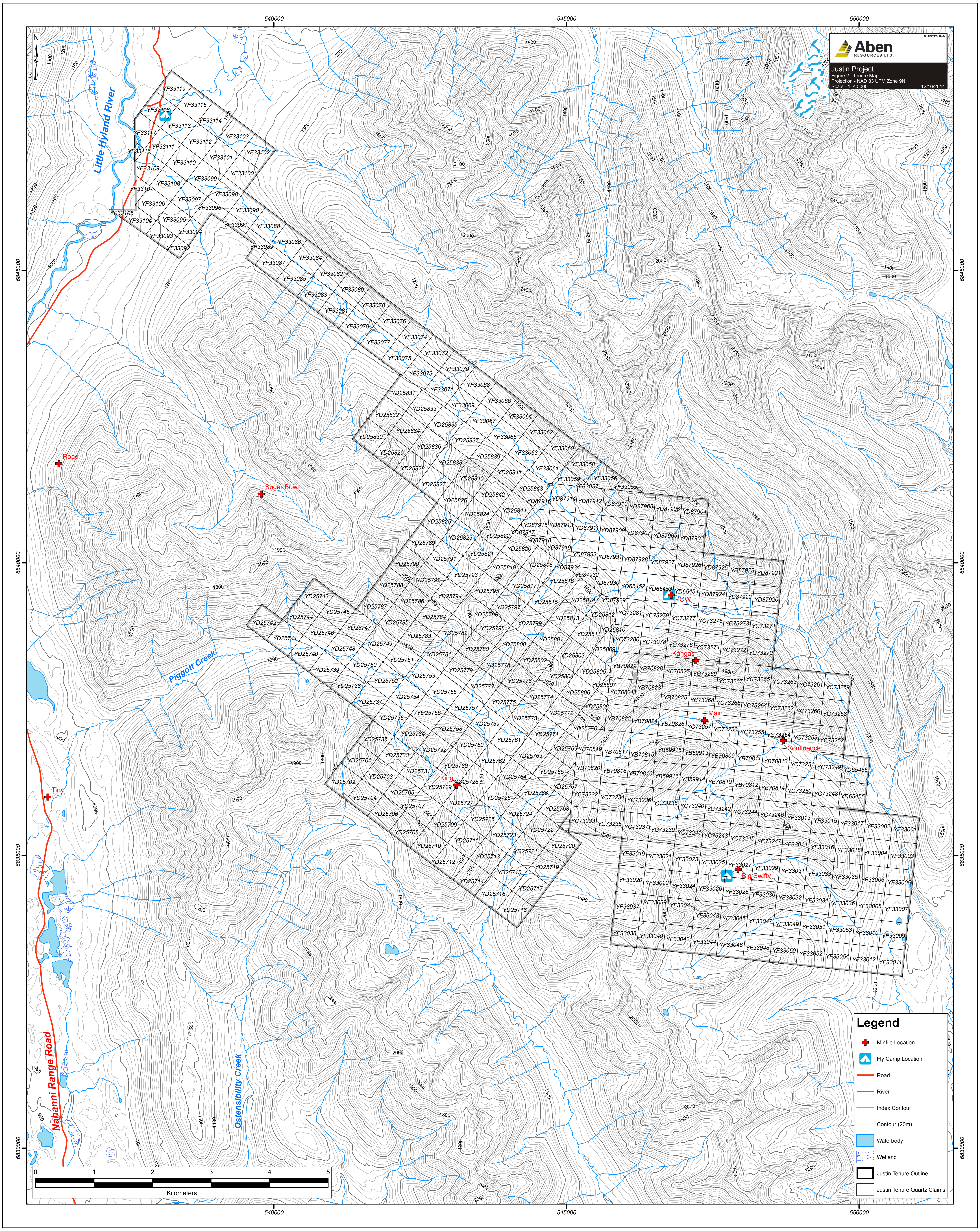
Figure 1 - Property Location Map
Projection - NAD 83 UTM Zone 9N
Scale - 1: 5,000,000
12/16/2014
N
Vuntut National Park
Alaska (USA)
Yukon Territory
Northwest Territory
British Columbia
Eagle Plains
Dempster Highway
Dawson City
Klondike Highway
Wind River Trail
Mayo
Canol Road
Faro
Ross River
Tungsten
Beaver Creek
Carmacks
Robert Campbell Highway
Range Road
Justin Property
Nahanni
Whitehorse
Johnsons Crossing
Watson Lake
Alaska
Highway
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
120°0'0"W
70°0'0"N
65°0'0"N
60°0'0"N

Tenure

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

Table 1 – Tenure Summary for the Justin Property

District	Grant Number	Claim Name	Claim Owner	Claim Expiry Date	Status	Map Number
Watson Lake	YB59913 - YB70829	JUSTIN 1 - 25	ABEN RESOURCES LTD. - 100%	29/11/2022	Active	105H09
Watson Lake	YC73232 - YC73281	SP 1-50	ABEN RESOURCES LTD. - 100%	29/11/2022	Active	105H09
Watson Lake	YD65452 - YD65456	SP 51-55	ABEN RESOURCES LTD. - 100%	29/11/2020	Active	105H09
Watson Lake	YD87903 - YD87934	SP 57 - 88	ABEN RESOURCES LTD. - 100%	29/11/2016	Active	105H09
Watson Lake	YF33001 - YF33119	SP 89 - 207	ABEN RESOURCES LTD. - 100%	29/11/2017	Active	105H09
Watson Lake	YD25701- YD25844	VF1 - 144	ABEN RESOURCES LTD. - 100%	18/10/2016	Active	105H09


Aben RESOURCES LTD.
ABN:TSX-V
Justin Project
Figure 2 - Tenure Map
Projection - NAD 83 UTM Zone 9N
Scale - 1: 40,000
12/16/2014
Legend
Minfile Location
Fly Camp Location
Road
River
Index Contour
Contour (20m)
Waterbody
Wetland
Justin Tenure Outline
Justin Tenure Quartz Claims
0 1 2 3 4 5
Kilometers
540000
545000
550000
6845000
6840000
6835000
6830000
Little Hyland River
Piggott Creek
Ostensibility Creek
Nahanni Range Road
Road
Sugar Bowl
Tiny
King
POW
Kangas
Main
Confluence
Big Swifty
N

History and Previous Work

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

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

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

In 2010 Eagle Plains Resources Ltd conducted a 16 day field program with a crew of 5 workers and a 207 line km 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 g/t Au. Channel sampling from the Confluence and Main zone, and chip sampling from the Kangas zone confirmed and expanded on the historical results. The Main zone returned results as high as 11.00 m grading 1.4 g/t Au, 3 g/t Ag, and 0.18 % Cu, including 3.00 m grading 3.04 g/t Au, 4 g/t Ag, and 0.22% Cu as well as 7.00 m at 2.07 g/t Au, including 3.00 m grading 3.15 g/t Au. The Confluence zone returned results including 1.6 g/t Au, 2.4 g/t Ag over 4.00 m while the Kangas zone returned 1.50 m grading 2.85 g/t Au, 4.2 g/t Ag.

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

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

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

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

The 2011 exploration program was successful in confirming gold+/-silver mineralization at all four zones. Of importance was the significant discovery of gold-bearing skarn and stockwork veining within the POW zone, highlighted in diamond drill holes JN11009 and JN11010. Highlights from the POW zone include 60.00 metres grading 1.19 g/t Au (JN11009) and 11.30 metres grading 2.70 g/t Au, 29 g/t Ag (JN11010). The POW zone and the immediate surrounding area is currently believed to hold the greatest potential to host an economic deposit on the Justin property.

Results from the Main Skarn zone and the Confluence zone were encouraging as they prove that gold mineralization extends below their respective surface expressions. Highlights from the Confluence zone include 4.60 m grading 1.15 g/t

Au. Highlights from the Main zone include 0.25 m grading 5.37 g/t Au. Although the economic potential of these zones appears limited at this time, the results do prove that elevated concentrations of precious metals occur in both zones. The widespread mineralization is thought to be indicative of one large interconnected intrusion related hydrothermal fluid 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 totalling 1994 metres were drilled during the 2012 field season, expanding the known extents of the POW zone and greatly enhancing the understanding of the local geology. Highlights from the 2012 diamond drilling include 46.60 metres grading 1.49 g/t Au in JN12011, 5.40 metres grading 4.12 g/t Au in JN12016, and 21.90 metres grading 1.06 g/t Au in JN12018.

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

The Justin property, and the POW zone specifically, represents a new discovery of mineral styles representing a reduced intrusion-related gold system (IRGS). The gold system developed in a region of the Yukon previously better known for tungsten, and contributes to further increasing the region's development as a new and emerging gold district (Hart, 2012).

GEOLOGY

Regional Geology

Refer to Figure 3a – Regional Geology Map

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

The Justin area is underlain primarily by Late Precambrian to Early Cambrian Hyland Group stratigraphy, consisting primarily of phyllite, calcareous phyllite, and coarse clastic sediments, with lesser limestone. 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 NW-SE structural fabric which begins to “bend” southward near the NWT Border. The Hyland Group sequence is separated from younger Cambrian to Ordovician Rabbitkettle Formation thin to medium bedded limestone to the north by a pronounced transcurrent NW-SE trending fault, which is interpreted to represent a significant tectonic event. The regional structure was named the March Fault by Hart and Lewis in 2006.

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

The Justin claims occur where Selwyn Basin stratigraphy and the NW-SE regional structural fabric begins to curve southwards. Major fault controlled drainages, primarily the Hyland and Little Hyland Rivers, show that major “linears” extend nearly N-S. Emplacement of the Tombstone-Tungsten Suite intrusions is interpreted to have occurred after the major regional faulting.

A preliminary assessment of the geology of the Hyland River area was conducted by the Yukon Geological Survey during the summer of 2012. The data collected during this assessment was be reviewed during the winter of 2013 and has spurred on field work completed during the 2014 field season by YGS Geologists; conclusions from this assessment will determine if field crews will re-visit the Hyland River area to update the regional geology during the 2015 field season.

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Figure 3a - Regional Geology Map
Projection - NAD 83 UTM Zone 9N
Scale - 1: 80,000
Cantung Mine
Nahanni Range Road
Little Hyland River
Hyland River
March Fault
Ricardo
Fer
Cali
Toy
Road
Sugar Bowl
Tiny
Brod
POW
Kangas
Main
Confluence
King
Big Swifty
PCH2
520000
530000
540000
550000
6880000
6870000
6860000
6850000
6840000
6830000
Geology After Colpron, 2008; Colpron, 2011; Gordey & Makepeace, 2001
Refer to Figure 3b for Geology Legend
0
5
10
15
20
Kilometers
Legend
Mineral Occurrence
Yukon Territory Border
Justin Property Tenure

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Figure 3b - Geology Legend 12/17/2014

Bedrock Geology

MID-CRETACEOUS

- mKgH: HYLAND SUITE: resistant, blocky, fine to coarse grained equigranular granite and granodiorite
- mKgTu: TUNGSTEN SUITE: resistant, blocky, fine to coarse grained equigranular to porphyritic (K-feldspasr) biotite quartz monzonite and granodiorite and minor quartz diorite; minor leuco-quartz monzonite
- mKgS: SELWYN SUITE: resistant, blocky, fine to coarse grained equigranular to porphyritic (K-feldspasr) biotite quartz monzonite and granodiorite and minor quartz diorite; minor leuco-quartz monzonite and syenite

ORDOVICIAN TO LOWER DEVONIAN

- ODR: ROAD RIVER - SELWYN: black shale and chert (1) overlain by orange siltstone (2) or buff platy limestone (3); locally contains beds as old as Middle Cambrian (4); correlations with basinal strata in Richardson Mountains include: ODR1 with CDR2 (upper part) and ODR2 with CDR4 (Road River Gp.)

UPPER CAMBRIAN AND ORDOVICIAN

- COR1: RABBITKETTLE: thin bedded, wavy banded, silty limestone and grey lustrous calcareous phyllite; limestone intraclast breccia and conglomerate; massive to laminated, grey quartzose siltstone and chert and rare black slate; local mafic flows, breccia, and tuff (Rabbitkettle)

LOWER CAMBRIAN

- lCG1: GULL LAKE: shale, siltstone and mudstone, locally bioturbated, with minor quartz sandstone; rare green-grey chert; local basal limestone and limestone conglomerate; phyllite to quartz-muscovite-biotite schist (garnet sillimanite staurolite andalusite) (Gull Lake)
- lCS: SEKWI: limestone, locally wavy bedded and nodular; limestone conglomerate slope breccia; massive grey dolostone; medium- to thick-bedded quartz sandstone; purple siltstone; bright orange weathering, fine crystalline dolostone (Sekwi)

UPPER PROTEROZOIC TO LOWER CAMBRIAN

- uPCV: VAMPIRE: dark brown weathering. thin-bedded, argillaceous fine-grained sandstone and siltstone, minor interbedded medium- to coarse grained white to light grey orthoquartzite; phyllite, slate, and argillite (Vampire)
- PCH: HYLAND: consists upwards of coarse turbiditic clastics (1), limestone (2) and fine clastics typified by maroon and green shale (3); may include younger (4) units; includes scattered mafic volcanic rocks (5) (Hyland Gp.)
- PCH2: HYLAND: grey weathering, dark grey to grey white, thin to thick bedded, very fine crystalline limestone, locally sandy; calc-silicate and marble; may locally include carbonate members within (1) or (4) (Hyland Gp., Algae Lake , limestone member of Yusezyu)
- PCH3: HYLAND: distinctive, recessive, maroon weathering, interbedded maroon and apple-green slate; "Oldhamia" trace fossils; rare grey chert; locally basal member and interbeds of quartz siltstone, sandstone and quartz-pebble conglomerate (Hyland Gp., Narchilla , Senoah , Arrowhead Lake)
- PCH4: HYLAND: quartzose clastic rocks as described in (1); mostly(?) equivalent to (1) but may include younger units (Hyland Gp., mostly(?) Yusezyu)

Bedrock Geology Contacts

- intrusive, approximate
- intrusive, defined
- intrusive, inferred
- stratigraphic, approximate
- stratigraphic, defined
- stratigraphic, inferred

Bedrock Geology Faults

- normal fault
- thrust fault
- fault - kinematics undefined

Structure

- Bedding
- Fault Plane
- Fold
- Shear Zone
- Vein

Geology After Colpron, 2008; Colpron, 2011; Gordey & Makepeace, 2001

Property Geology

(after Schulze, 1997; Gallagher, 2002; Hart, Zuran, van Randen, McCuaig, 2012)

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

The property is underlain by a broad package of WNW trending NNE dipping Hyland Group sediments consisting of thick units of coarse clastic sediments inter-bedded with fine-grained phyllitic units and locally thin to thick bedded calcareous siltstones and limestones. The extreme northeastern areas of the property are underlain by a thick package of thin-bedded, tan-buff weathering limestone of the Rabbitkettle Formation. The proximity of these two very different tectonic elements results from their juxtaposition along 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). Hyland Group stratigraphy underlying the Justin Property has been intruded by a NNW trending structurally controlled Tombstone-Tungsten Suite biotite quartz monzonite pluton and a related suite of quartz-feldspar porphyry to aplite dykes.

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

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

Lithologic Map Units

Intrusive Rocks

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

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

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.

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

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

Sedimentary Rocks

Sedimentary rocks of the Justin claims are comprised of two major formations: the Rabbitkettle Formation (COR) and the Yusezyu Formation of the Hyland Group (PCHy). The Rabbitkettle Formation is characterized by a sequence of thin to medium bedded white to buff weathering limestone (LST). This has been mapped in the extreme NE areas of the map area – northeast of the March 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 following lithologic units have been identified within the Yusezyu Formation of the Hyland Group: Limestone (LST); Phyllite (PHY); Argillite (ARG); Siltstone (SLT); Skarn (SKN); Sandstone (SST); Banded Skarn (SKN); Quartz Pebble Conglomerate (QPC) and Quartz Feldspar Pebble Conglomerate (QFPC). The Yusezyu formation can be separated into four distinct members on the Justin Property and are described as follows:

Limestone Member

The limestone member (LST) consists of thin to moderate sized, somewhat discontinuous units of impure thin to medium bedded limestone, often inter-bedded with, or grading into, fine-grained calcareous sediments. Limestone underlying the Justin claims has commonly undergone strong calc-silicate alteration and/or silicification, and hosts much of the mineralization on the claims. The calcareous siltstone (CST) is impure limestone with a significant fine clastic component or a finely inter-bedded sequence of limy and silty beds. This unit often has a banded appearance. The limestone member predominates at the POW zone where it occurs as calc-silicate and pyroxene+/-garnet skarn (Hart, 2012).

Fine-Grained Member

This member is comprised primarily of a weakly silicified calcareous package of phyllite (PHY) with small sub-units of argillite (ARG) within it. The phyllite consists of thick sequences of monotonous, fairly uniform fissile thin-bedded, fine-grained sediments. Weakly silicified calcareous phyllite, displaying some calc-silicate alteration underlies the central portion of the Justin claims. The argillitic rocks tend to be fine grained and fissile, with a slightly higher graphite content than the phyllite. The siltstone (SLT) unit is also interbedded within the broad phyllite unit and represents slightly more coarsely grained beds. The two units can be difficult to discern and are sometimes mapped as siltstone. The fine-grained fissile shale (ARG) occurs as a laterally-extensive, fairly thin unit in places displaying a strong deep green chloritic alteration. The unit's distinct colour makes it an excellent marker horizon across parts of the property. The fine grained sediments have undergone extensive hornfels alteration across the property, most notably observed in the cliffs comprising the Kangas zone.

Coarse Grained Clastic Member

The quartz pebble conglomerate (QPC) occurs as thick, poorly sorted, largely undifferentiated units across the property. The framework of the rock consists of 10 - 30% euhedral to subhedral feldspar and 25 - 60% rounded to subrounded quartz grains ranging in size from fine-grained to 20 mm in diameter. Minor mafic lithic fragments occur locally. The matrix consists of very fine grained quartz and minor feldspar within a calc-silicate cement, which has commonly been silicified following decalcification locally resulting in a chalcedonic texture. Across the property, variable amounts of silicification and selective argillic alteration of feldspar grains, has occurred. This unit was originally mapped as an altered intrusive assemblage. The quartz feldspar pebble conglomerate (QFPC) unit is similar to QPC except that it contains a higher concentration of feldspar clasts. Sandstone (SST) represents a more finely grained variant of the QPC and is often calcareous. The sandstone may represent a more distal submarine fan or stream sediment depositional setting to that forming the conglomerates (Gordey and Anderson, 1996).

Outlier Members

Lithologic mapping of rock units both on surface and drill core in the POW zone has identified a rock type previously not encountered on the Justin property. The western margin of the POW zone mapped to date is underlain by approximately 10 metre section of a heterolithic, graphitic fragmental package of rocks. The fragmental varies in colour from light grey to dark black and hosts a variety of lithic fragments which are angular and randomly oriented within a graphitic, pyrite rich clay matrix. At the time of writing it is unknown whether the lithologic unit represents a turbidite flow, or a fault zone. The graphitic matrix of the unit has been interpreted to be the source of a very large EM conductor identified in 2010 located on the western margin of the POW zone.

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 2003). 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 sedimentry rocks of the Hyland Group have a weak to moderate, northwest-trending, shallowly to moderately steep-dipping fabric that is defined by phyllitic partings, with mica development on foliation surfaces. The intensity of the phyllite development is variable and has a low intensity east of the little Hyland River valley. The fabric developed in response to deformation that transposed bedding through a series of northeast-verging overturned folds that are locally cut by thrust faults. Beds of conglomerate, grit, and quartzite are mostly undeformed, particularly where massive. The margins of coarse grained units are typically modified by minor faulting and shearing. Lineations observed in the area plunge shallowly to the south and southeast. The timing of regional deformation is uncertain but may be related to the emplacement of the mid-Cretaceous Hyland plutonic suite batholiths, which are similar in age to mid-Cretaceous deformation in the Tombstone strain zone near Mayo (Hart, 2012).

Two periods of compressional deformation are evident within the Yusezyu formation of the Hyland Group in the immediate vicinity of the Justin claim block. The first deformation event is represented by moderately dipping penetrative foliation in the fine grained lithologies and recumbent and overturned folds dipping gently to moderately to the NE/SW. The second deformation event is represented by large-scale upright folds and a poorly developed axial planar cleavage, observed in the field as jointing within coarse clastic units. The axial planar cleavage strikes SE and dips steeply to the south. 3 kilometres west of the Kangas zone there are a prominent series of anticlines and synclines with wavelengths of 200 – 1000 metres which parallel the larger scale upright folds (Scott, 1999). Refer to Figure 4a for reference to the features described above.

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

A NW-SE trending transcurrent fault zone (March Fault), characterized by a pronounced NW trending lineament, extends along the northeastern property boundary (Figure 4a). On the Justin property, the structure is moderately to steeply dipping to the east, where Hyland Group strata to the west are juxtaposed with Rabbitkettle carbonate units to the east (Hart, 2012). The inferred sub-parallel Dayo Creek Fault extends to the south of the property.

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

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

These NNW trending structural features are most prominent in the central area of the Justin claim block where they comprise a 2 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 NNW trending structures will be referred to in future as the Justin Fault zone.

Surface mapping within the POW zone led to the discovery of lineations and slickenlines along fault scarps indicating right lateral movement along the NNW structures. The amount of displacement which occurred along these structures is unknown at the time of writing. Interpretations from aeromagnetic surveys and DDH JN12012 and JN12014 indicate that a major NNW structure lies approximately 30 metres east of the original POW zone showing. The NNW structure is steeply dipping and separates the Justin stock to the west, from fine grained siliclastic and carbonate rocks of the Hyland Group to the east. This observation leads to the conclusion that in at least one case, an unknown amount of right-lateral, normal displacement has occurred along the structure and may post-date emplacement of the Justin stock.

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

A conjugate shear set, less obvious than extensional faulting, trends NE-SW and E-W and underlies the property west of the Justin claims. The NE-SW trending structures are typically brittle faults while the coeval E-W trending structures are typically brittle-ductile shear zones. In the POW zone the E-W 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 E-W orientated structures. At the time of writing it is believed that the small scale structures reflect a larger E-W flexure zone which post-dates emplacement of the Justin stock and coeval mineralization. The NE-SW trending fault set controls many of the minor drainages, as well as the NE trending joint set. NE trending minor faults are observed cross-cutting NNW trending dykes that intrude extensional zones associated with strike-slip deformation. This observation is consistent with the development of conjugate shear fabrics post-dating major mid-Cretaceous strike-slip motion.

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

Mineralization

(after Schulze, 1997; Gallagher, 2002; McCuaig 2011 & 2012, Hart 2012)

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

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

2) skarn replacement style mineralization;

3) a composite mineralization style, resulting in pervasive mineralization within coarse clastic sediments;

Where mineralization is structurally controlled, it appears to be controlled by the extensional fault system associated with mid-Cretaceous dextral strike-slip shear. These NNW 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 NW trending March Fault is host to auriferous quartz veining as identified in DDH JN11007 and JN11008. Although gold grades were sub-economic in both DDH intersections, vein densities were greatest in the hanging wall of the fault zone. North-east trending structures, associated with later conjugate shearing, also control some erratically distributed high-grade vein mineralization. Comparable gold values have been returned from both structurally controlled mineralization regimes; however gold distribution within the POW zone is preferential to the NNW trending extensional structures.

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

All three types of mineralization are, 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 km wide, north trending extensional fault system. Vein mineralization is interpreted to be controlled primarily by mid-Cretaceous extensional faults although some vein mineralization is also clearly controlled by the younger conjugate shear system, suggesting that this style of mineralization may post date the mid-Cretaceous tectonic activity.

Mineralization Styles

Sheeted Veining

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

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

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

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

Skarn

The limestone and calcareous silty units (Limestone Member) 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, 2011, and 2012 have identified a new zone of skarn, which has been named the POW zone.

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

All skarn occurrences on the Justin property are interpreted to be associated with the Justin stock. Gold grades are highest where the NNW structures intersect skarn altered lithologies in proximity to the Justin stock. The POW zone occurs within the contact aureole of the Justin stock, which extends to at minimum 200 metres laterally from the margin of the intrusion.

Composite

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

Weak to moderate pervasive silicification, but very limited argillic alteration has occurred in the Confluence zone area. A broad zone of chalcedonic veining within coarse clastic sediments is centered at the confluence of Sun and South Sun Creeks within the eastern part of the Justin claims (Figure 4a). The veined interval occurs at a thrust fault contact between coarse clastic sediments and fine grained, thin bedded limestone. These fracture controlled veins range in size from nearly microscopic to 2.0m 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 4.50m 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 four zones of significant mineralization in order of importance are: 1) POW zone 2) Main zone, 3) Confluence zone, and 4) Kangas zone.

POW zone:

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

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

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

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

Main zone

The Main zone, located in the central Justin claims was first discovered in 1964. Four holes were drilled at the main zone in 1987 to test copper-gold skarn mineralization. The program yielded only sub-economic assay values resulting in the original Sun claims being allowed to lapse. However, in 1996 exploration by Hemlo showed that a fractured, resilicified, and auriferous quartz monzonite dyke bounds the zone to the west. Successive exploration programs showed that a significantly mineralized zone extends east from roughly 6.00 m within the dyke into strongly pyritic and pyrrhotitic limestone and calcareous phyllite. Calc-silicate mineralization consists of fine grained pervasive to fracture controlled actinolite and diopside, with minor chlorite. Trench SN97-2 extending across this zone returned 2.38g/t Au over 22.50 m, and anomalous values continued to the east into the previously tested mineralization (Schulze, 1997). It appears that most of the Main zone consists of low grade peripheral mineralization, and that a significant mineralized zone occurs along the western margin and may extend northward along the dyke. Schulze, 1997 concluded that mineralization was emplaced from fluids traveling from the structural corridor controlling the dyke into decalcified strata within the flat lying limestone.

Trench SN97- 1, excavated roughly 20 m south of SN97-2, returned low gold values within strongly pyritic and pyrrhotitic skarn mineralization. Its spatial relationship to SN97-2 remains unknown; Sun Creek, which flows between the two trenches, may occupy a structural corridor.

Drilling efforts in 2011 at the Main zone returned anomalous gold and copper values from calc-silicate skarn, and quartz-sulphide veinlets confirming historic results. Although no significant gold intersections were returned from the three holes valuable geologic information was gleamed providing insight into the geologic history of the property. Significant intersections of porphyritic felsite and quartz biotite monzonite dyke material were intercepted in all three holes. The overall true thickness of the dike swarm has not been determined but drilling to date indicates it is greater than 50 meters. As dikes are derived from a parent magmatic source, the size of the porphyritic dikes and their wide spatial distribution suggests that a larger parent pluton lies beneath the Justin property.

Confluence zone

The Confluence zone is a broad zone measuring at least 600m x 250m in area and consists of coarse clastic material with considerable fracture controlled chalcedonic veining. It is centered at the confluence of Sun and South Sun Creeks (Figure 4a). Veins are typically sulphide poor and range in size from nearly microscopic to up to 2.00 m in width. Gold values range from 0.42 to 7.00 g/t Au over 1.50 m (Schulze, 1997). Trench SN97-3 returned 4.24 g/t Au over 4.50 m and is open to the west; continuous channel sampling east of this intersection returned elevated values up to 0.64 g/t Au. Significant gold values were returned from sampling throughout the occurrence, including proximal glacial float from the western end of known mineralization. This suggests the source rock occurs up-ice further west, expanding the potential size of the showing. Fracture controlled and disseminated pyrite is abundant in the surrounding wall rock. Most elevated gold values are associated with chalcedonic veining, which locally crosscut quartz-pyrite veining. This suggests mineralization resulted from late phases of hydrothermal activity.

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

Kangas zone

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

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

Mineralization has been traced along a 400 m x 75 m N-S 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 metres.

The Kangas zone is roughly along strike of the NNW trending lineation controlling the Main Skarn mineralization. The Kangas zone may be quite thick, with somewhat discontinuous mineralization occurring across at least 150m of true width. It stratigraphically overlies an interpreted northward extension of stratigraphy hosting the Main Skarn. However, it is close enough that similarly reactive stratigraphy within both zones were affected by a single mineralizing event. The two zones may represent exposures of a significantly thick zone of skarn and replacement style mineralization controlled by the NNW trending Justin Fault, within the broad N-S structural zone outlined on Figure 4a.

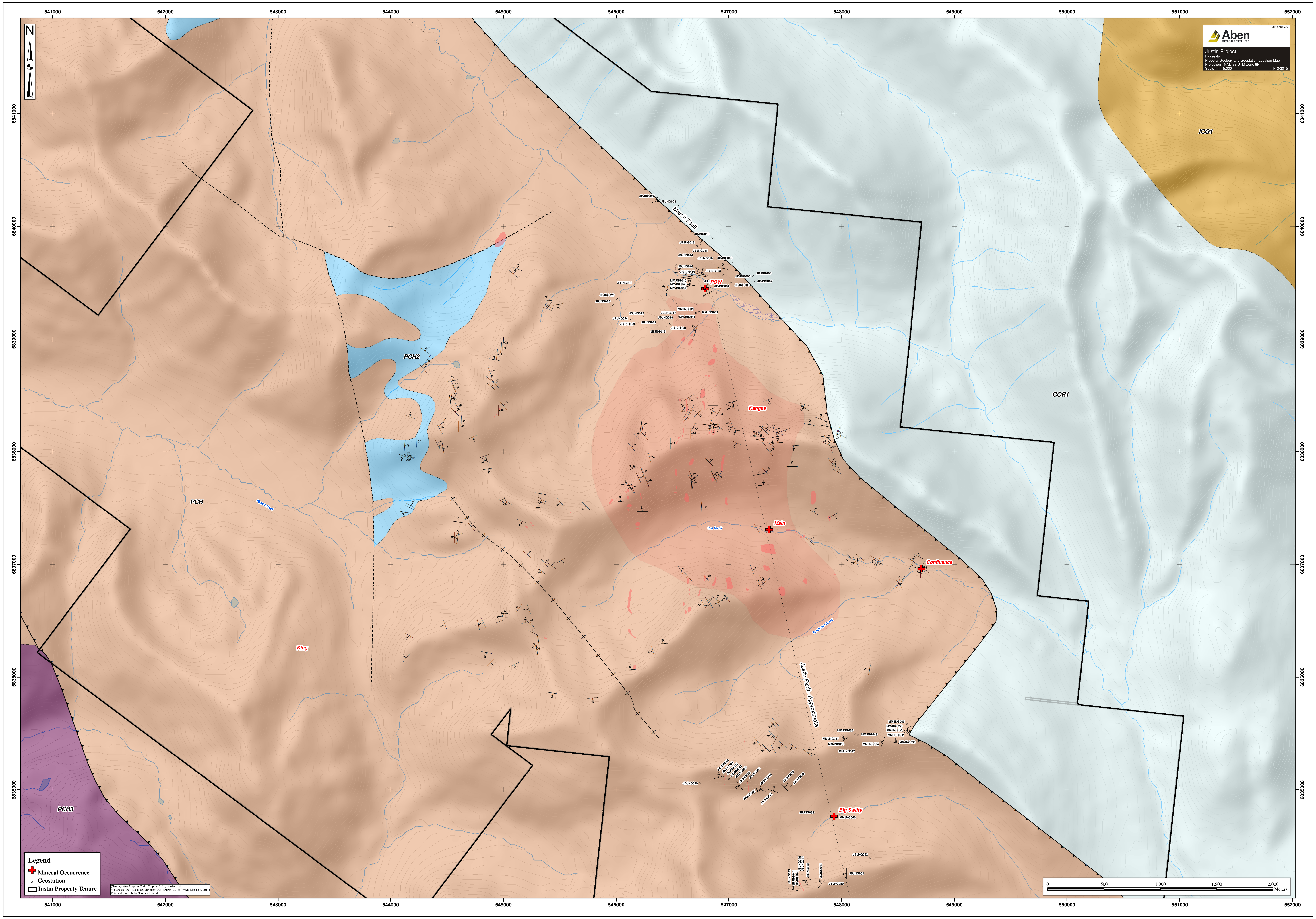
Drilling in 2011 on the Kangas zone provided insight into the true extent and nature of the mineralization. Three holes were drilled into the Kangas zone. All three of the holes intersected calc-silicate altered siltstone and thin bedded limestone within the top 20 metres of drilling.

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 E-W 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 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.

Mineralization Overview

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

The Au-Bi-Te association is most directly related to intrusion-related and intrusion-hosted ores, adding further credence to support an intrusion-related gold system on the Justin property. The Au-Bi-Te correlation, strongly controlled by temperature gradient, is indicative of close proximity to the Justin stock. Hydrothermal fluids migrating outward from the intrusion decrease in temperature and have greater interaction with the country rocks enriching them in scavenged metals. In intrusion related gold deposits a predictable zonation of metals is often observed moving outward from the intrusion and is the directly result of a decrease in temperature gradient and the interaction of the fluids with country rock (Hart, 2012). This zonation is typically observed as veins with greater amounts of arsenopyrite, sphalerite, and other sulphide/sulfosalt minerals as you move outward from the intrusion. In these situations, the importance of Bi-Te may be reduced, and Au may have a stronger association with As, or Sb as observed in the Kangas, and Confluence zones respectively. Applying Hart's model of metal zonation to the Justin property may allow for the successful vectoring from distal Au-As-Sb mineralization to proximal Au-Bi-Te+/-Cu+/-Mo+/-W mineralization adjacent to and within the Justin Stock.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RESOURCES LTD.
Justin Project
Figure 4a
Property Geology and Geostation Location Map
Projection - NAD 83 UTM Zone 9N
Scale - 1: 15,000
1/13/2015
ICG1
COR1
PCH
PCH2
PCH3
March Fault
Justin Fault - Approximate
POW
Kangas
Main
Confluence
Big Swifty
King
Legend
Mineral Occurrence
Geostation
Justin Property Tenure
(Geology after Colpron, 2008; Colpron, 2011; Gordey and Makepeace, 2001; Schulze, McCuaig, 2011; Zuran, 2012; Brown, McCuaig, 2014)
Refer to Figure 3b for Geology Legend
0
500
1,000
1,500
2,000
Meters
541000
542000
543000
544000
545000
546000
547000
548000
549000
550000
551000
552000
6841000
6840000
6839000
6838000
6837000
6836000
6835000

2014 Exploration Program

The 2014 exploration program consisted of 52 person days with a four person crew. The crew mobilized from base camp at km 143 of the Nahanni Range Road, to the POW zone approximately 12 km east of the base camp. Helicopter support was provided by Trans North Helicopters based out of Watson Lake, YT. The field program began on July 20th and all related field work was completed by August 9th, 2014.

The 2014 program was a target evaluation module partially funded through the Yukon Mineral Exploration Program (YMEP). Work completed during the 2014 program included the collection of 60 channel samples from 4 trenches, 24 rock grab samples, re-analysis of 230 drill core samples, 4 silt samples and 151 soil samples with coverage totalling 7.5 line kilometres. The program focused on two main areas of interest (AOI) within the project tenement.

The first AOI was designed to delineate the extent of hard rock mineralization found at surface in the POW zone and surrounding area. Prospecting and trenching focused on evaluating sheeted vein and skarn systems for both gold and tungsten potential. Specific target areas were selected prior to entering the field based upon favourable geochemical results returned from the 2012 program. Resources were also allocated to conduct geochemical surveys northwest of the main POW zone to determine if other mineralized zones could be identified.

The second AOI focused on the southeastern most portion of the tenure where initial prospecting and geochemical sampling in 2012 identified a new hard rock massive sulphide (pyrite-marcasite) showing which has been named the Big Swifty. Geochemical surveys and geological mapping were completed to provide a more comprehensive evaluation of the Big Swifty target area and give context to it's relationship with the intrusion related gold system recognized in the central and northern portions of the property.

Total expenditures related to the Justin Project in 2014 were approximately $120,000.00. A total of $67,585.00 of the total expenditures qualify as eligible expenses as defined by the rate guidelines provided by the Yukon Geological Survey.

2014 Exploration Results

Geological Mapping

(after Hart, Zuran, van Randen, McCuaig 2012 & McCuaig, Brown 2014)

Refer to Figure 4a – Property Geology Map

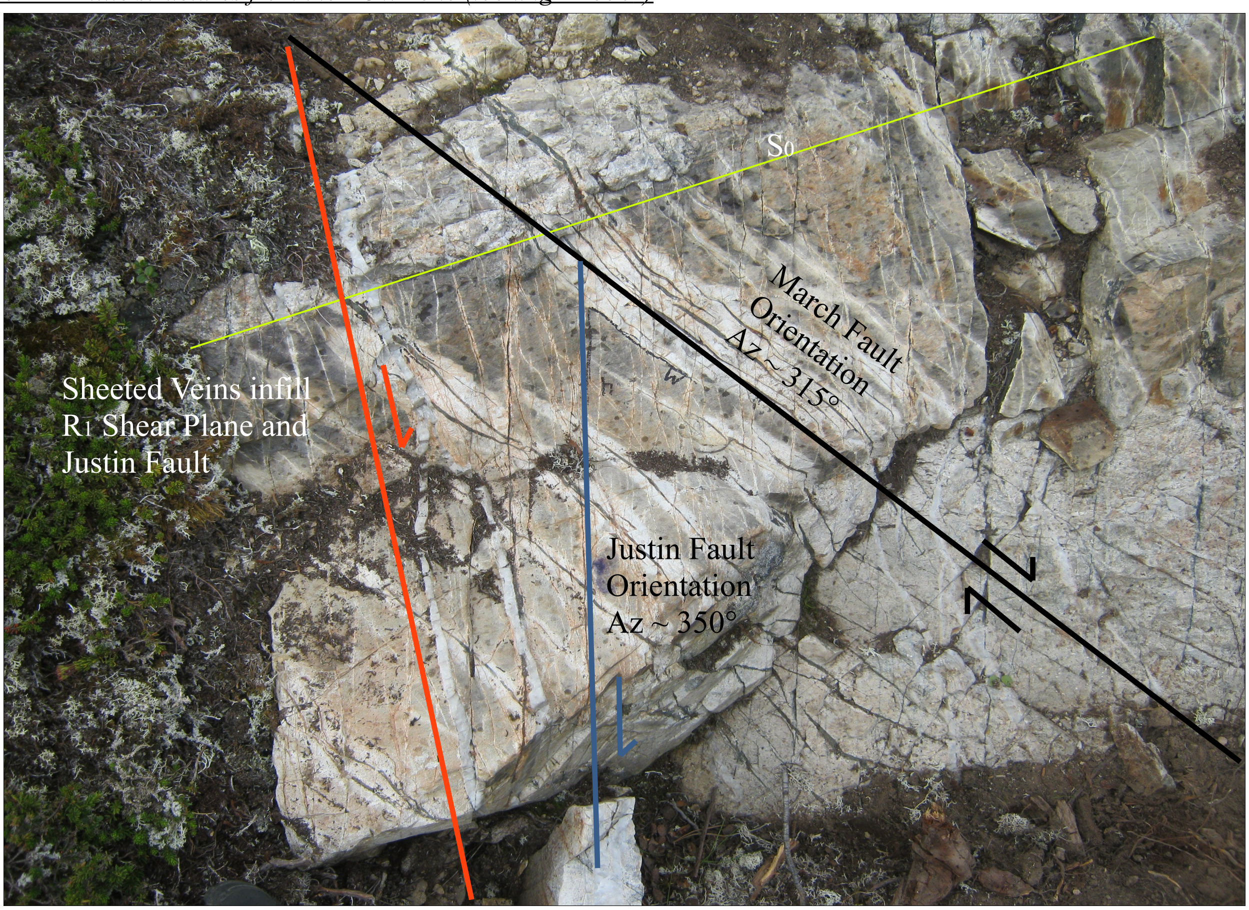
Exploration in 2014 focused on two different areas of the property: The POW zone located in the northern portion of the claim group and the Big Swifty in the southeastern portion of the claim group. The northern mapping program, undertaken as follow up to the 2010-2012 discovery of auriferous skarn and sheeted quartz vein arrays, included detailed mapping of four trenches within the POW zone at a scale of 1:100. The southern mapping program, undertaken as follow up to the 2012 discovery of the Big Swifty pyrite-marcasite vein and anomalous gold in soil results, included two days of mapping at a scale of 1:10,000.

Mapping at the POW zone area further refined the metasedimentary stratigraphic of the Yusezyu Formation - Hyland Group which includes the following rock types: Quartz pebble conglomerate (QPC), siltstone (SLT) grading into sandstone (SST), skarn and banded skarn (calcareous chert) (SKN), biotite granodiorite (GRD) comprising the stock, and quartz monzonite (QMZ) to quartz-feldspar porphyry (QFP) hypabyssal dikes are the primary lithologies occurring in the POW zone.

The interbedded sediments form a package of rock which strike approximately east-west, and dip moderately to the north at 30 – 50 degrees. The north dipping nature of the sediments is related to folding (“doming”) during the emplacement of the granodiorite stock. The POW zone is cross cut by at least three major NNW trending brittle structures over 400 + metres, which comprise the known northern extent of the Justin Fault. These features have been mapped on surface, in drill core, and their extensions have been inferred from property scale magnetic geophysical surveys. The Justin Fault is prominent in the central area of the Justin claim block where it comprises a 2 kilometre wide structural/magmatic corridor. In the POW zone, the north trending extensional structural architecture (now expressed as the Justin Fault system) played an integral role in developing permeability within lithologic units allowing for the emanation of metalliferous hydrothermal fluids from the Justin stock, into structural and chemical traps favourable for metal deposition. Mapping in 2014 identified that the Justin Fault Zone developed as part of a larger regional dextral strike-slip fault system, which displays several key characteristics. The structures mapped within the POW zone during 2014 indicate that brittle deformation conforms to an en-echelon right lateral, right-stepping reidel shear system which evolved through a change in the orientation of principal compressive stress into a right-lateral, left-stepping reidel shear system. The following provides the criteria by which the structural interpretation was defined:

1. There are two major strike-slip faults recognized on the Justin Property: The March Fault system (Az 305-315° or NW-SE), and the Justin Fault system (Az 350-0° or approximately N-S);
2. Right-lateral, right-stepping motion along the March Fault system created zones of extension (Az 350°), most notably observed in the area between the POW and Main zones where the extensional structure allowed for the emplacement of the Justin stock (biotite granodiorite) and associated hypabyssal dykes, and development of sheeted vein arrays. These extensional features are the precursor or embryonic stage of the Justin Fault system;
3. The sheeted vein arrays in the POW zone represent extension parallel to the maximum compressional stress interconnected by sheeted vein arrays exploiting the R_1 shear plane (Az ~ 155°). Movement (right-lateral) was concentrated along shear planes (the March Fault system and associated R_1 shear planes), and was oriented ~ 45° and 30° to the maximum principal stress respectively (McClay, 1987), suggesting that maximum compression occurred along the axis Az ~ 005°/185° or N-S during this period of time (most likely mid-Cretaceous but not yet confirmed);
4. Right-lateral strike-slip motion was then initiated (time unconstrained but is syn-post mineralization, post emplacement of the intrusion, and likely a continuum of regional deformation along the March Fault System) on the Justin Fault System (the extensional zones created during the tectonic event described in the preceding two points) generating thrust fault(s) and related folding along/parallel to the March Fault system. This phase of deformation signifies a shift in the tectonic evolution of the region. The thrust faulting and related folding exemplifies shortening along the axis of maximum compressive stress, and is approximately 90° to the maximum compressive stress (Az ~ 305-315°). The orientation of the March thrust fault(s) and related folds indicates a change in the axis of maximum compression from Az 350° to Az 035-045° (a 45-55° rotation), and a shift in the direction of maximum resolved stress (from the March Fault system Az 305-315° to the Justin Fault system Az 350°). The thrust faults and folds associated with this phase of deformation suggest a zone of compression indicative of right-lateral, left stepping strike-slip motion along the Justin Fault system, a change from the older right-lateral, right-stepping strike-slip motion observed along the March Fault system;

Plate 1 – Brittle structures from the POW zone (looking Az 350°)



The geothermal gradient associated with the emplacement of the Justin stock has variably altered the adjacent Yusezyu formation strata throughout the Justin property. The POW zone lies within the contact aureole of the Justin stock and has undergone intense contact metamorphism manifesting as both contact skarn and broad zones of hornfels. Of particular interest to the economic geology of the POW zone is a stratabound calc-silicate (tremolite) – garnet exoskarn, which has an average thickness of approximately 20 metres and has been traced along strike for approximately 450 metres. The skarn is comprised of pyroxene-grossular garnet-tremolite-quartz-epidote-magnetite-magnesite-apatite and in places has undergone partial to complete iron-carbonate and clay retrograde alteration. The skarn is the primary host for auriferous massive sulphide replacement, auriferous sheeted quartz vein arrays, and disseminated scheelite, which is a calcium tungstate mineral and the primary ore forming mineral at the Cantung deposit located 30 km to the north.

The skarn is bound on both it's upper and lower contacts by hornfels, intensely silicified quartz pebble conglomerate and lesser siltstone. The hornfels has acted as a capping mechanism, restricting and allowing subsequent enrichment of the skarn by focusing fluid flow through the permeable horizon. The upper zone of hornfels is then in turn capped by an interbedded sequence of quartz pebble conglomerate, siltstone, and banded skarn. The latter forms a distinct marker unit which has been very useful in determining stratigraphic correlations within the POW zone stratigraphy. The recognition of calcareous chert at the upper contact of the main skarn unit was a new observation made during the 2014 mapping program. The calcareous chert was bleached white-green in color, and is intensely brecciated. The breccia matrix was primarily comprised of tremolite and lesser garnet (infiltration of the main skarn into the calcareous chert). Field observations suggest that the calcareous chert formed an impervious barrier during the initial stages of contact metamorphism. Hydrothermal fluids migrating into the sediments from the granodiorite resulted in a drastic increase in hydrostatic pressure causing significant brecciation/hydrofracturing of the sediments, in particular the skarn and overlying calcareous chert unit.

The strata at the POW zone has been cross-cut by several quartz-feldspar porphyry dykes. Emplacement of these hypabyssal rocks occurred along the same N-S trending structural features which comprise the Justin fault system. The dykes are in turn cross-cut by the auriferous sheeted vein arrays, providing some time constrains on the emplacement of the stock, related dykes, and at least one of the mineralizing events.

The POW zone consists of a wide range of mineralization styles representing the diversity of intrusion related systems including a calc-silicate skarn system, as well as stockwork and sheeted quartz-calcite veining. Both styles of mineralization can host an array of metals including: arsenopyrite, pyrite, molybdenite, sphalerite, galena, scheelite, powellite, native bismuth, bismuthinite, jamesonite, chalcopyrite, pyrrhotite, sphalerite, gold-bismuth-tellurium alloys, and most importantly native gold. As mentioned above, mineralization is best developed within the calc-silicate skarn; the best gold grades observed to date have come from structurally controlled zones within the skarn. The intersection of N-S trending structural zones with the calc-silicate skarn has created at least one "ore-shoot" type geometry which has a NNW orientation, plunging approximately 32 degrees. The zone is marked by massive magnetite+/-chalcopyrite+/-pyrrhotite skarn, silica flooding and associated sulphide replacement, and sheeted quartz vein arrays with densities ranging from 20-50 millimetre size veins per metre. This zone was the primary target evaluated by diamond drilling during the 2012 program, and subsequent trenching in 2014.

An important note to be discussed is the discovery of auriferous sheeted quartz veins hosted within the granodiorite stock. In other Intrusion Related Gold Deposits such as Ft. Knox, AK and the Eagle Deposit, YT, the gold ore occurs within structurally influenced zones within the cupola of the intrusion. More specifically, well developed sheeted quartz vein arrays host native gold and gold alloys within the intrusion which comprise these deposits. At the POW zone the cupola of the intrusion is partially exposed, which in turn hosts auriferous quartz veins which exploit the extensional N-S architecture of the Justin fault. Although rigorous sampling of the sheeted veins and stock in drill core did not return economic intervals of gold mineralization, several veined intervals containing visible native gold and bismuth-tellurium alloys were observed in two of the 2014 trenches and chip samples from these returned highly anomalous gold-bismuth-tellurium concentrations. The discovery of auriferous sheeted veins within the Justin stock is considered to be significant, as it confirms for the first time that the Justin property displays all of the components which comprise an intrusion related gold system. Further exploration efforts are warranted to follow-up the potential for an economic gold deposit within the cupola of the Justin stock.

Mapping in the area of the Big Swifty yielded valuable geological information with respect to characterization of the Big Swifty showing, discovery of intrusive dykes, quartz veining and related alteration, and the southern extension of a splay of the March Fault. Each of these geologic features will be described in detail below.

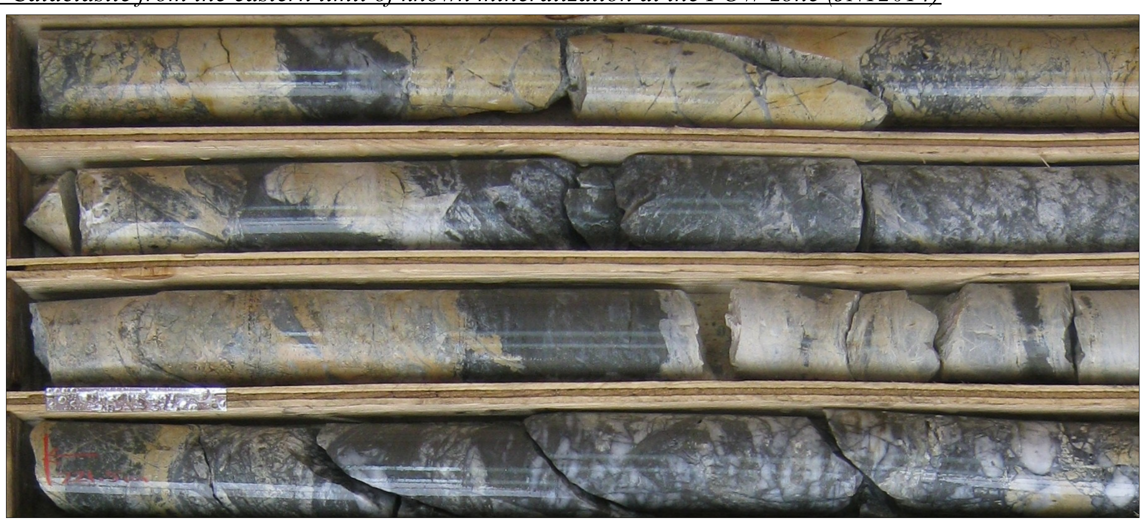
The Big Swifty showing is a protocataclasite hosted within Hyland Group – Yusezyu formation quartz pebble congomerate. The showing outcrops in an unnamed creek and forms a large gossan adjacent to and within the watercourse which is weathering brown-orange in colour (Plate 2). Mineralization in the form of marcasite and pyrite (locally to 30 %) is manifested as cataclasite infill (quartz veining is conspicuously rare or absent), and is hosted within a dark grey cohesive fault gouge (Plate 3). The showing proper is largely controlled by north-south fracturing (Az 180° Dip 64°), and to a lesser degree by synthetic northwest-southest trending fractures (Az 313° Dip 76°). One interesting note is that the showing is the only outcrop where a significant north-south dominant structure was mapped in the greater Big Swifty area. The predominant structural orientation in the immediate area surrounding the Big Swifty is northwest-southeast, similar in orientation to the March Fault system. Of interest, and potentially related to the Big Swifty was the recognition of cataclasite within two different localities which bracket (both east & west) the current extent of the POW zone (refer to Plate 4 & 5). These fault zones are thought to coincide with syn-post mineralization tectonic activity along the N-S trending Justin Fault system. Both of the shear systems containing cataclasite within the POW zone are controlled by N-S trending structure, and host significant pyrite+/-marcasite mineralization accompanied in places by significant silica flooding (as described above point number 8 under subsection Characteristics of Mineralized Zones). These characteristics are very similar to those described during the 2014 investigation of the Big Swifty showing. The similarities between the different shear zones are remarkable considering there is over 5.0 km in between the two locations. The Big Swifty showing, based upon the observations provided above, is interpreted to represent the southern extension of the Justin Fault system.

Plate 2 – Big Swifty showing (looking north)

Plate 3 – Big Swifty protocataclasite hosting pyrite-marcasite mineralization

Plate 4 – Cataclasite from western limit of known mineralization at the POW zone

Plate 5 – Cataclasite from the eastern limit of known mineralization at the POW zone (JN12014)



The intrusive rocks mapped in the Big Swifty area infill sub-vertical structures and occur as dykes, similar in character to those observed at the POW zone. The dykes are hypabyssal, comprised of quartz and feldspar, and are porphyritic. The dykes range in thickness from 10 – 20 metres and are variably altered by carbonate-chlorite-quartz. Highly altered quartz feldspar porphyry dykes weather buff orange-red in colour. The dykes are central to a 100 metre wide northwest trending shear zone. Soil samples collected in 2012 on the ridge in proximity to the dykes returned anomalous Au-Sb values. They have an average orientation of Az 155° Dip 80°, which is a slight deviation to the northwest from those observed at the Main and POW zones. The southernmost intrusive dyke mapped in 2014 is located approximately 1.0 km south of an intrusive dyke mapped in 2011 and is over 3.0 km south of the Main zone and 5.0 km south of the POW zone. The intrusive dykes represent the southernmost extension of the Justin Fault system as mapped to date. In one locality (JBJNG032) a carbonatite or carbonate rich vein structure exploited the eastern contact of the 20 metre wide quartz feldspar porphyry dyke.

Quartz veining and associated alteration was noted at several localities, primarily north and northwest of the Big Swifty showing in the shear zone described in the previous paragraph. Quartz veining is typically best developed in the coarse clastic units of the Yusezyu formation, and is accompanied by weak to moderate silica, chlorite and carbonate alteration. Trace pyrite and arsenopyrite was observed along vein margins as fine grained, subhedral crystals, however the majority of the veins examined were milky white and void of any mineralization. Multiple generations of quartz veining are evident with an early set of left-lateral en-echelon veins being cross cut by planar, sheeted quartz veining (Plate 6). The timing of formation of different phases of quartz veining is unclear at present, however it is speculated that the en-echelon quartz veins represent an early, deeper event (brittle-ductile environment), whereas the planar sheeted quartz veins reflect a transition into a higher level brittle structural event.

Plate 6 – Multiple generations of quartz veining in talus from the Big Swifty area (looking east)

Plate 7 – Quartz veining from geologic station MMJNG056 (looking north)

The southern extension of the March Fault, or a sub-parallel splay of the fault system was mapped whilst completing a ridge traverse north-northeast of the Big Swifty showing (Plate 8). At this locality (MMJNG049-052) thin to medium bedded, light-dark grey limestone and lesser light-dark green mafic volcanics of the Algae Lake or Rabbitkettle Formation (?) have been thrust on top of thin bedded, light grey phyllite of the Yusezyu Formation (further mapping east of the fault zone is required to constrain the strata to either the Algae Lake or Rabbitkettle Formation). The fault at this locality has an orientation of approximately Az 290° Dip 72° (field observations suggest that the shear plans is actually at a much lower angle, however absolute measurements from one outcrop have been provided here). The carbonate rocks in the hanging wall of the thrust fault have been intensely folded, with folds verging to the southwest (Plate 9). A well developed axial planar cleavage within the limestone has an orientation of Az 313° Dip 39°. Fold axis within the limestone were measured at the following orientation Trend 106° Plunge 12°. Mapping west of the fault zone identified an intensely developed cleavage with an orientation of Az 310° Dip ~ 40-70°, and is interpreted to represent shearing associated with the March Fault system.

Plate 8 – March Fault (looking east)

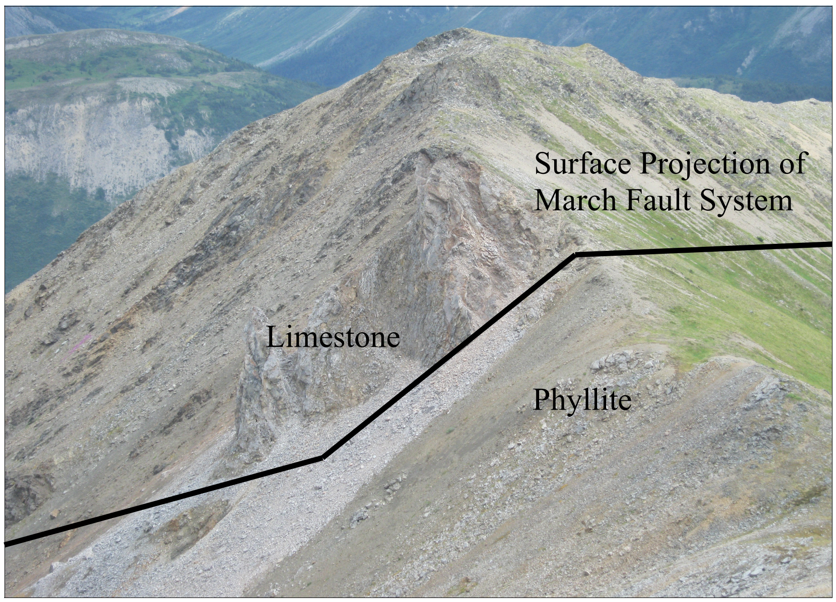
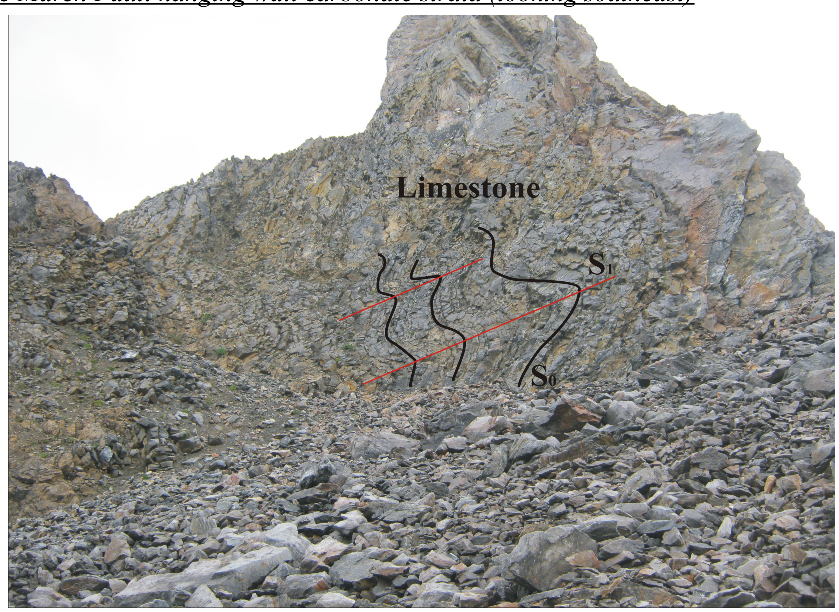


Plate 9 – Folding in the March Fault hanging wall carbonate strata (looking southeast)



Analytical Results

The 2014 exploration program resulted in the collection of 151 soil samples, 4 silt samples, 60 rock chip/channel samples, 24 rock grab samples and re-analysis of 230 drill core samples. All samples were submitted to ALS Minerals laboratory in Whitehorse, YT for preparation. The samples were subsequently shipped to ALS Minerals laboratory in North Vancouver for analysis. The following analytic techniques were used for all rock samples: ME-MS41, Au-AA23 30 g Fire Assay, Au-GRA21 30 g Fire Assay for all samples grading > 10 ppm Au in the Au-AA23 analysis, ME-OG46 for all samples > 10,000 ppm Zn, Zn-VOL50 for all samples > 300,000 ppm Zn, W-XRF05 for all samples > 200 ppm W in the ME-MS41 analysis and W-XRF10 for all samples > 5000 ppm W in the W-XRF05 analysis. The following analytic techniques were used for all soil and silt samples: ME-MS41, Au-ST43 and Au-AROR43 for all samples grading > 1 ppm Au in the Au-ST43 analysis. The Company's QAQC measures included insertion of external blanks and standards into the sample stream for all rock chip/channel samples and drill core samples. A minimum of one standard sample and one blank sample were inserted for each trench and a minimum of one standard was submitted into each diamond drill hole sample stream.

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

The analytic results for each component of the 2014 program will be summarized in the following text.

Geochemical Surveys

Rock Sampling

A total of 24 rock grab samples were collected from talus, subcrop and outcrop during field mapping activities. For a detailed description of rock sampling techniques please refer to Appendix 3. A total of 12 samples were collected from the greater POW zone area, and 12 samples were collected from the greater Big Swifty area. 5 of the 24 samples returned anomalous results and 1 of the 24 samples returned highly anomalous results. The results will be summarized below by zone. Refer to Figure 4a for sample locations.

One sample from the POW zone (JBJNR006) collected from subcrop of quartz pebble conglomerate containing quartz veining 400 metres south of the collar for DDH JN12019 returned interesting results. Assay results are as follows: 311 ppb Au, 1.21 % As, 5.5 ppm Bi, 15.5 ppm Sb and 0.85 ppm Te. These results are considered favourable because the represent the southern most extent of quartz veining containing elevated Au, As, Bi, Sb, Te in the POW zone. The geochemical signature of the sample is consistent with that observed within the mineralized veins at the POW zone. Future work is required to follow up on these results.

Five samples from the greater Big Swifty area returned weakly to highly anomalous assay results. Grab sample JBJNR015 collected from a carbonatite dyke exploiting the eastern contact of a quartz feldspar porphyry dyke returned weakly anomalous results of 1.39 ppm Ag, 6.78 ppm Cd, 466 ppm Pb and 1580 ppm Zn. Grab sample JBJNR019 collected from the Big Swifty showing (quartz pebble conglomerate and cataclasite containing pyrite-marcasite mineralization) returned weakly anomalous values of 119 ppb Au, 0.56 ppm Bi and 13.65 ppm Sb. A second grab sample collected from the Big Swifty showing (MMJNR110) also returned a weakly anomalous values of 201 ppb Au, 2.92 ppm Bi and 21.8 ppm Sb from sulphide rich cataclasite (Plate 3). These sample results suggest that mineralization within the Big Swifty cataclasite is likely a distal expression of the IRGS system observed at the POW zone. Further work is recommended to prospect along strike of the N-S structure containing the Big Swifty showing to determine if gold grade increases to concentrations suitable for economic extraction. Grab sample MMJNR113 (Plate 10) collected from talus within the March Fault is a metal-rich, strongly magnetic ferricrete which returned highly anomalous assay results of 45.0 % Zn, 6.9 % Pb, 54.3 ppm Ag, 111 ppm Hg, 5.94 ppm Bi and 31.2 ppm Sb. The sample was collected from one of several cobble sized fragments of the ferricrete found within a talus slide primarily comprised of limestone. At present there are two plausible explanations for the formation of the ferricrete: The precipitate represents deposition of metals leached from sediments into a chemical trap at the fault contact between the limestone and phyllite lithologies; and/or the concentration of base metals is a distal expression of the IRGS which focused hydrothermal fluids along the March Fault system. Sample MMJNR113 explains why base metal values in silt samples (LJSPS001 - 005) north of the fault zone collected in 2010 are so elevated (sample MMJNR113 comes from the headwaters of the drainage from which the silt samples were collected in 2010). Future work should aim to determine if significant volumes of the metal-rich ferricrete material can be found along or within the March Fault system. Prospecting and geochemical sampling are recommended to follow up on this years work. Grab sample MMJNR114 (Plate 7) was collected from quartz-carbonate veining containing trace arsenopyrite mineralization hosted within quartz pebble conglomerate. The sample returned weakly anomalous results as follows: 519 ppm As and 1210 ppm Zn. The vein sample was collected in close proximity to soil sample RZJND011 which returned 73.3 ppb Au suggesting that the quartz veining may be auriferous. In addition the quartz veining is located along strike of the Big Swifty, and the larger Justin Fault system which is known to be auriferous. Further prospecting is required to determine the gold-bearing potential of the vein systems which outcrop along the ridge north of the Big Swifty.

Plate 10 – Ferricrete from the March Fault returned 45.0 % Zn, 6.9% Pb, 54.3 g/t Ag (MMJNR113)

Soil Sampling

A total of 151 soil samples were collected from 6 lines covering approximately 7.5 line-kilometres. Soil samples were collected at 50 meter station spacing. For a detailed description of sampling techniques please refer to Appendix 3.

A total of 3 soil lines were completed to the northwest of the POW zone (JNL023 – 025, refer to Figure 4b), providing additional coverage to the geochemical and geophysics work completed in 2012. Although till cover is extensive at valley bottom limiting outcrop exposure and providing poor sampling substrate, soil sampling did reveal and area of highly anomalous (> 99th Percentile) gold-in-soil values (JNL024 13+75 W and JNL024 14+00W) returning 67 ppb Au and 2410 ppb Au respectively. The anomaly remains open to the west and represents an area warranting follow up work to determine the source of the gold-bearing soil. The soil anomaly is within 250 metres of a magnetic high signature of similar intensity to that observed at the POW zone. Infill soil sampling and prospecting is recommended in the immediate area surrounding soil samples JNL024 13+75W and 14+00W.

A total of 3 soil contour lines were completed north of the Big Swifty showing (JNL026 – 028, refer to Figure 4b) to follow up on anomalous (> 95th - 99th Percentile) gold-in-soil values returned from ridge sampling during the 2012 exploration program. Soil line JNL026 returned four consecutive samples (JNL026 04+00E to 05+50 E) > 95th Percentile which corresponds to an area where extensive quartz-carbonate stock work veining was observed. The quartz-veining and gold-in-soil anomaly corresponds to the southern extension of the Justin Fault system, and suggests that the structure is weakly enriched in gold. Future prospecting should focus on rigorous sampling of the quartz stock work veining, and evaluating the Justin Fault system along strike to the north. Soil lines JNL027 and JNL028 did not return anomalous gold-in-soil values. This may be more a reflection of poor soil sample substrate that an indication of baseline geochemical values. These soil lines traversed extensive glacial till and lateral moraine features which would easily mask underlying bedrock geochemical signatures.

Silt Sampling

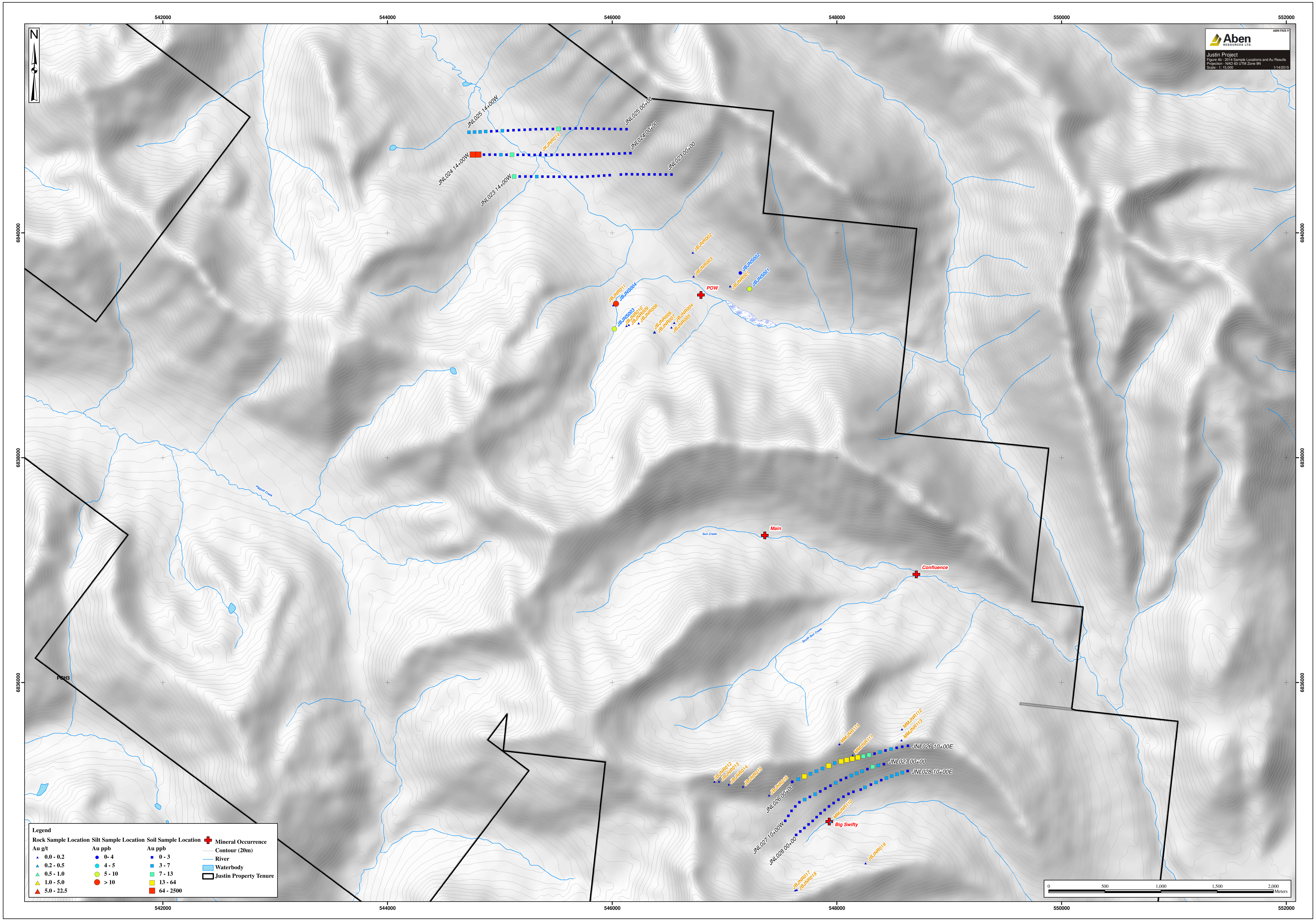
A total of 4 silt samples were collected from the greater POW zone area during the 2014 program (refer to Figure 4b). The samples were collected as field duplicates to follow up on historical silt samples. Two samples (JBJNS001 & JBJNS002) were collected from an incised drainage north-east of the POW zone which marks the inferred surface trace of the March Fault. These samples were collected upstream from sample LJJNS003. Both of these samples did not return significant gold values, but did return 335 ppm Zn and 385 ppm Zn respectively which is consistent with LJJNS003 which returned 331 ppm Zn. Two samples (JBJNS003 & JBJNS004) were collected from the unnamed creek which drains the western flank of the POW zone as field duplicates to ETSPS001. These samples did not return significant gold values, but did return 315 ppm Zn and 381 ppm Zn respectively, which are slightly higher than ETSPS001 which returned 254 ppm Zn. As a general comment the highest gold-in-silt anomaly returned from the POW zone is 24 ppb, a sample taken from a small creek draining outcrop which contains significant gold mineralization as defined by trenching and diamond drilling. It is important to follow up on any elevated gold-in-silt values observed on the property.

Geochemical Statistics

Geochemical statistics were calculated for the 2014 soil samples using ioGAS Advanced Exploratory Geochemical Data Analysis software. Highly anomalous gold-bearing outlier samples (n = 2) were removed from the data set prior to calculating summary statistics as these samples exponentially skew the percentile breaks distorting real world geochemical thresholds. The summary statistics are presented below in Table 2.

Table 2 – Summary statistics for the 2014 soil samples (number of samples = 149)

	Ag ppm	As ppm	Au ppb	Bi ppm	Cu ppm	Mo ppm	Pb ppm	Sb ppm	Te ppm	W ppm	Zn ppm
75 percentile	0.26	73	3	0.50	22	0.61	40	1.83	0.03	0.16	100
90 percentile	0.40	157	7	0.69	31	0.86	57	2.87	0.04	0.28	136
95 percentile	0.56	222	13	0.98	39	1.38	90	3.44	0.05	0.39	167
99 percentile	0.92	459	64	3.37	75	8.22	251	4.81	0.07	0.79	296


ABN:TSX-V
Aben
RESOURCES LTD.
Justin Project
Figure 4b - 2014 Sample Locations and Au Results
Projection - NAD 83 UTM Zone 9N
Scale - 1: 15,000
1/14/2015
542000
544000
546000
548000
550000
552000
6840000
6838000
6836000
N
JNL025 14+00W
JNL025 00+00
JNL024 14+00W
JNL024 00+00
JNL023 14+00W
JNL023 00+00
POW
Main
Confluence
Big Swifty
JNL026 10+00E
JNL027 00+00
JNL028 10+00E
JNL026 00+00
JNL027 10+00W
JNL028 00+00
PSH3
Legend
Rock Sample Location
Au g/t
0.0 - 0.2
0.2 - 0.5
0.5 - 1.0
1.0 - 5.0
5.0 - 22.5
Silt Sample Location
Au ppb
0- 4
4 - 5
5 - 10
> 10
Soil Sample Location
Au ppb
0 - 3
3 - 7
7 - 13
13 - 64
64 - 2500
Mineral Occurrence
Contour (20m)
River
Waterbody
Justin Property Tenure
0
500
1,000
1,500
2,000
Meters

Trenching Program

A total of four trenches were completed during the 2014 program (Refer to Figure 5a-c). The trenches were located within the POW zone area, and were completed using a combination of mechanical and hand tools. A CanDig heli-portable excavator was used to complete mechanical trenching. A total of 60 rock chip/channel samples were collected during the trenching program. The trench geology and analytic results are summarized below. Refer to Figures 5a – 5c for detailed geology and sample locations. Trenching was completed by the following TerraLogic Exploration Inc employees: Mike McCuaig, Jarrod Brown, Nathan Taylor and Jason Kolucn.

Table 3 – Trench Locations and Disturbance Summary

Trench ID	Length (m)	Start Easting	Start Northing	End Easting	End Northing	Volume (m^3)	Disturbance Type
TR14-001	15.0	546707	6839234	546719	6839238	22.5	Mechanical
TR14-002	11.0	546735	6839239	546743	6839232	4.0	Mechanical
TR14-003	12.0	546648	6839490	546659	6839496	0.75	Hand Tools
TR14-004	13.0	546652	6839477	546665	6839479	0.75	Hand Tools
*All coordinates are reported in UTM Nad 83 Zone 9N							

Trench TR14-001 (Figure 5b) was designed to follow up on a grab sample collected in 2012 (MMJNR041) which returned 22.2 g/t Au from sheeted veins within the Justin Stock biotite granodiorite. TR14-001 successfully delineated gold-tellurium-bismuth bearing sheeted vein arrays correlating to sample MMJNR041 extending the prospective sheeted vein array 225 meters south along strike from the original POW zone discovery outcrop (refer to Table 4 for trench results). The biotite granodiorite has been variably altered (weak to intense) by silica, sericite and clay, and is directly related to the formation of the sheeted vein array. The auriferous structures occur as linear arrays of 0.1 – 2.0 cm wide sheeted quartz veins with densities ranging from 2 – 10 per metre. The sheeted veins, where mineralized contain pyrite, bismuth-tellurium alloys and native gold (Plate 12). Mineralization is very fine grained, and on a macroscopic scale appears as smokey to metallic silver-grey blemishes along vein contacts and hairline fractures parallel to the vein margins. Several clay altered shear zones parallel the sheeted veins occur within TR14-001. These shear zones are comprised of very friable clay gouge which is often moderately oxidized. The orientation of vein and shear structures across the trench is consistent with an average orientation of Az 170° Dip 80°, parallel to the Justin Fault.

Plate 11 – TR14-001 (looking west)

Plate 12 – TR14-001 Sheeted quartz vein containing Au-Bi-Te alloys (MMJNR041, MMJNR047)

Plate 13 – TR14-001 Sheeted quartz vein array (looking south)

TR14-002 (Figure 5b) located approximately 16 metres east of TR14-001, was initiated after field crews discovered sheeted veining within shallowly buried outcrop. The geology of TR14-002 is similar in character to TR14-001 and is underlain by biotite granodiorite which has been variably silica, sericite and clay altered. The development of alteration is directly related to the development of linear arrays of sheeted quartz veins/veinlets which range in thickness from 0.1 – 2.5 cm wide, and densities range from 2 – 5 per metre. The sheeted veins, where mineralized contain pyrite, bismuth-tellurium alloys and native gold. Mineralization is very fine grained, and on a macroscopic scale appears as smokey to metallic silver-grey blemishes along vein contacts and hairline fractures parallel to the vein margins. One speck of native gold was observed within a sheeted vein in sample MMJNR064, which returned an assay value of 0.95 g/t Au (refer to Table 4 and Plate 15). The quartz veins have an orientation of Az 163° Dip 82°, parallel to the Justin Fault. A set of conjugate joints are observed within the granodiorite with the following orientations: dominant Az 175° Dip 83°, subordinate Az 262° Dip 84°. The eastern extent of the trench was terminated due to mechanical failure of the trenching equipment and remains open to exploration.

Plate 14 – TR14-002 (looking west)

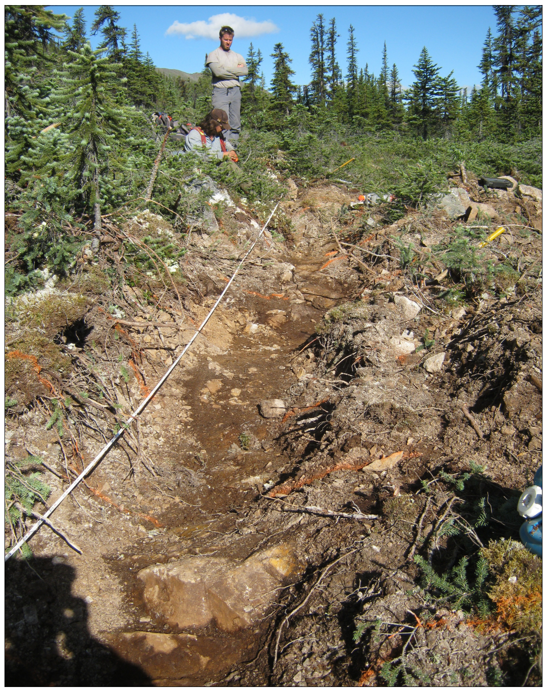
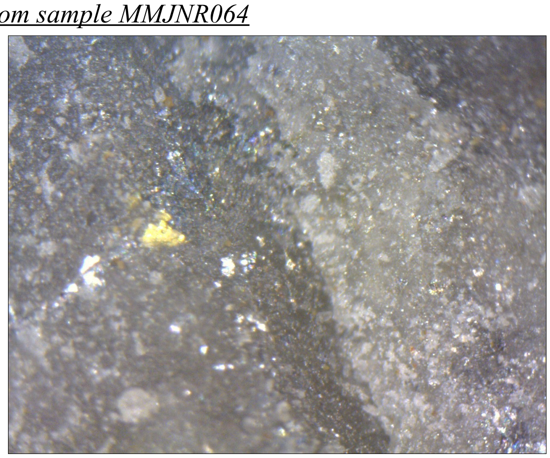


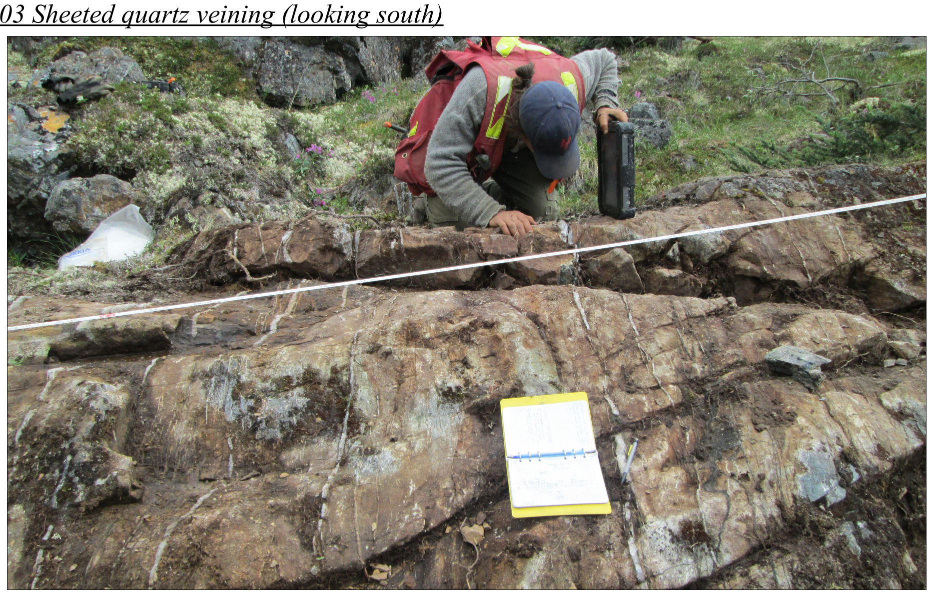
Plate 15 – TR14-002 Visible Gold from sample MMJNR064



TR14-003 (Figure 5c) was designed to evaluate sheeted vein arrays hosted within calcareous chert, a rock unit which defines the upper contact of the POW zone skarn. The calcareous chert is light green-white in colour weathering a light-dark brown. The unit approaches a cryptocrystalline porcelain like texture, and has been fractured and brecciated. Where brecciated the calcareous chert has been inundated by the underlying calc-silicate skarn. Well-developed sheeted quartz vein arrays occur as linear quartz veinlets/veins with densities ranging from 1 – 6 veins per metre (Plate 17). Two distinct vein orientations were observed in TR14-003 and are as follows: Principal vein (Parallel to Justin Fault) Az 179° Dip 82°; Subordinate vein (R1 of reidel shear system) Az 150° Dip 60°. Mineralization within the veins was primarily observed as molybdenite with trace amounts of scheelite and bismuth-tellurium alloys. Although the vein density and mineralogy appeared to be favourable for gold mineralization sampling of bedrock in TR14-003 returned no significant results. The poor results may reflect the importance of host rock on the distribution of gold mineralization within the sheeted vein system. The eastern end of the trench was terminated in a brittle fault structure with an orientation of Az 170° Dip 75°.

Plate 16 – TR14-003 (looking west)

Plate 17 – TR14-003 Sheeted quartz veining (looking south)



TR14-004 (Figure 5c) was designed to evaluate sheeted vein arrays hosted within the POW zone skarn, the main focus of exploration on the Justin property to date. TR14-004 is located ~ 15 metres south of TR14-003. TR14-004 successfully delineated gold-tellurium-bismuth-tungsten bearing sheeted vein arrays within the skarn extending gold mineralization at surface 50 metres north from that defined in diamond drill holes JN12013 and JN12014. Refer to Table 4 for a summary of results from TR14-004. The calc-silicate skarn outcropping in TR14-004 can be characterized as a medium-coarse grained calc-silicate (tremolite) dominant – hydrogrossular garnet (subordinate) with accessory apatite, magnesite and retrograde chlorite, calcite. The auriferous structures occur as linear arrays of 0.1 – 15.0 cm wide sheeted quartz veins with densities ranging from 1 – 8 per metre (Plate 19). The sheeted veins, where mineralized contain pyrite, bismuth-tellurium alloys, scheelite and native gold. Mineralization is very fine to medium grained, and on a macroscopic scale appears as smokey to metallic silver-grey blemishes along vein contacts and hairline fractures parallel to the vein margins. There are two principal vein orientations noted in TR14-004: Az 175° Dip 66° (Parallel to Justin Fault) and Az 156° Dip 58° (R_1 to March Fault). A note of interest is that the best gold grade returned from TR14-004 (sample MMJNR101 – 4.10 g/t Au) was collected from one of the R_1 veins (Plate 20). The R_1 veins appear to form vein-linkage segments between the sheeted veins which parallel the Justin Fault. Several clay altered shear zones parallel the sheeted veins occur within TR14-004 and have an orientation of Az 145° Dip 58° and Az 197° Dip 68° consistent with the R_1 and Justin Fault orientations. A notable observation is the significant difference in gold distribution between TR14-003 & TR14-004, located only 15 metres apart. Both of these trenches sampled the same vein system, but yielded vastly different gold results. These differences may result from the requirement of a chemical catalyst (present in the calc-silicate skarn but not in the calcareous chert) to initiate the precipitation of gold. Further investigation is required to elucidate the controls of mineralization within the metasedimentary rocks.

Plate 18 – TR14-004 (looking west)

Plate 19 – TR14-004 Sheeted quartz vein array (looking north)

Plate 20 – TR14-004 Quartz-W+Bi-Te-Au alloy – MMJNR101 – 4.10 g/t Au

Table 4 – 2014 Significant Trench Results

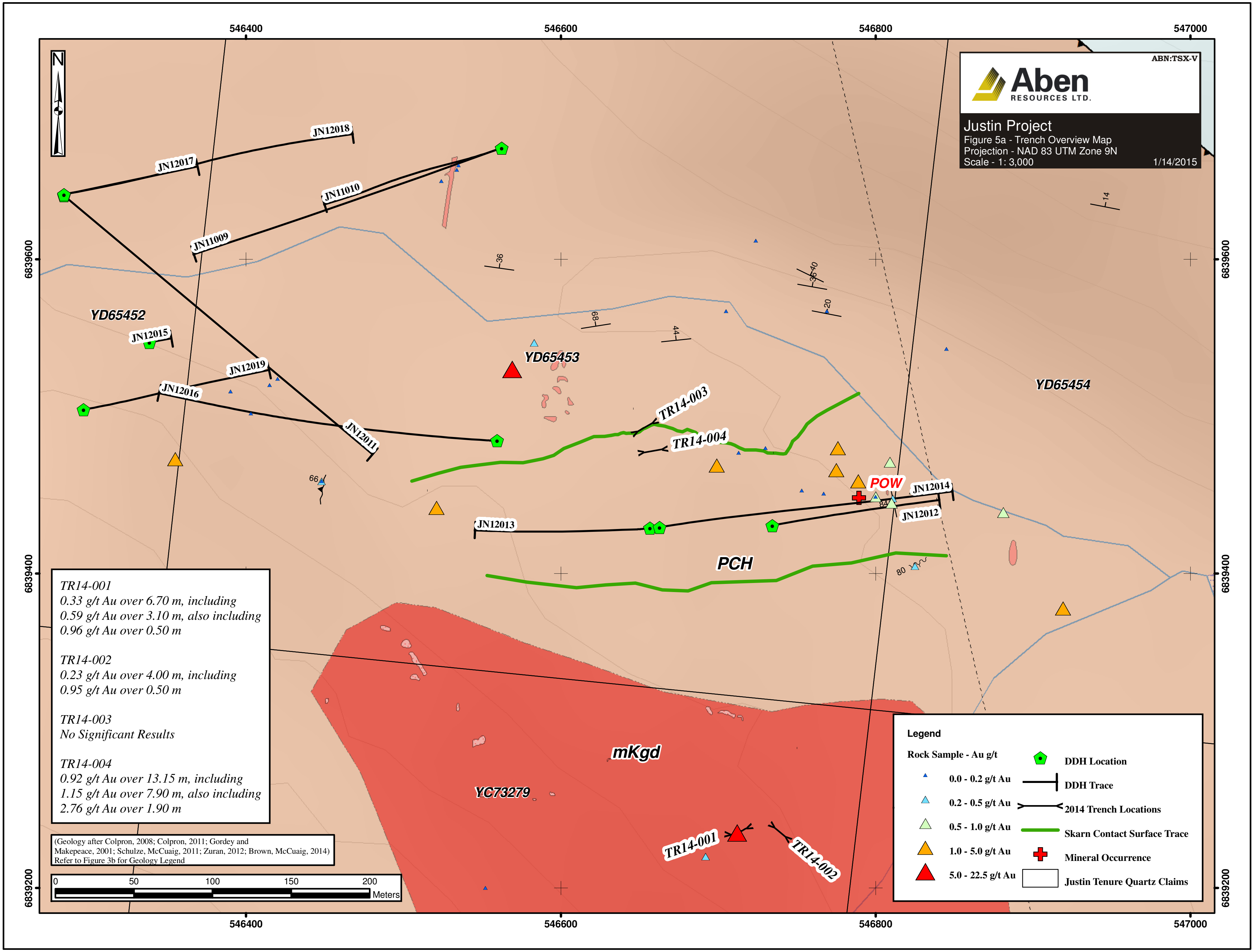
Zone	Trench	Easting	Northing	Composite Channel Sample Results
POW	TR14-001	546710	6839235	**0.33 g/t Au over 6.70 m**, including
POW	TR14-001	546710	6839235	**0.59 g/t Au over 3.10 m**, also including
POW	TR14-001	546710	6839235	**0.96 g/t Au over 0.50 m**
POW	TR14-002	546737	6839240	**0.23 g/t Au over 4.00 m**, including
POW	TR14-002	546737	6839240	**0.95 g/t Au over 0.50 m**
POW	TR14-003	546650	6839490	No Significant Results
POW	TR14-004	546650	6839475	**0.92 g/t Au over 13.15 m**, including
POW	TR14-004	546650	6839475	**1.15 g/t Au over 7.90 m**, also including
POW	TR14-004	546650	6839475	**2.76 g/t Au over 1.90 m**

The correlation matrix displayed in Table 5 was calculated using ioGAS Advanced Exploratory Geochemcial Data Analysis software. From the sampling in 2014 a clear relationship can be observed between Au-Bi-Te with Au:Te having a correlation coefficient of 0.98 and Au:Bi having a correlation coefficient of 0.94. The Au-Bi-Te association is most directly related to intrusion-related and intrusion-hosted ores, adding further credence to support an intrusion-related gold system on the Justin property. The Au-Bi-Te correlation, strongly controlled by temperature gradient, is indicative of the 2014 samples close proximity to the Justin stock.

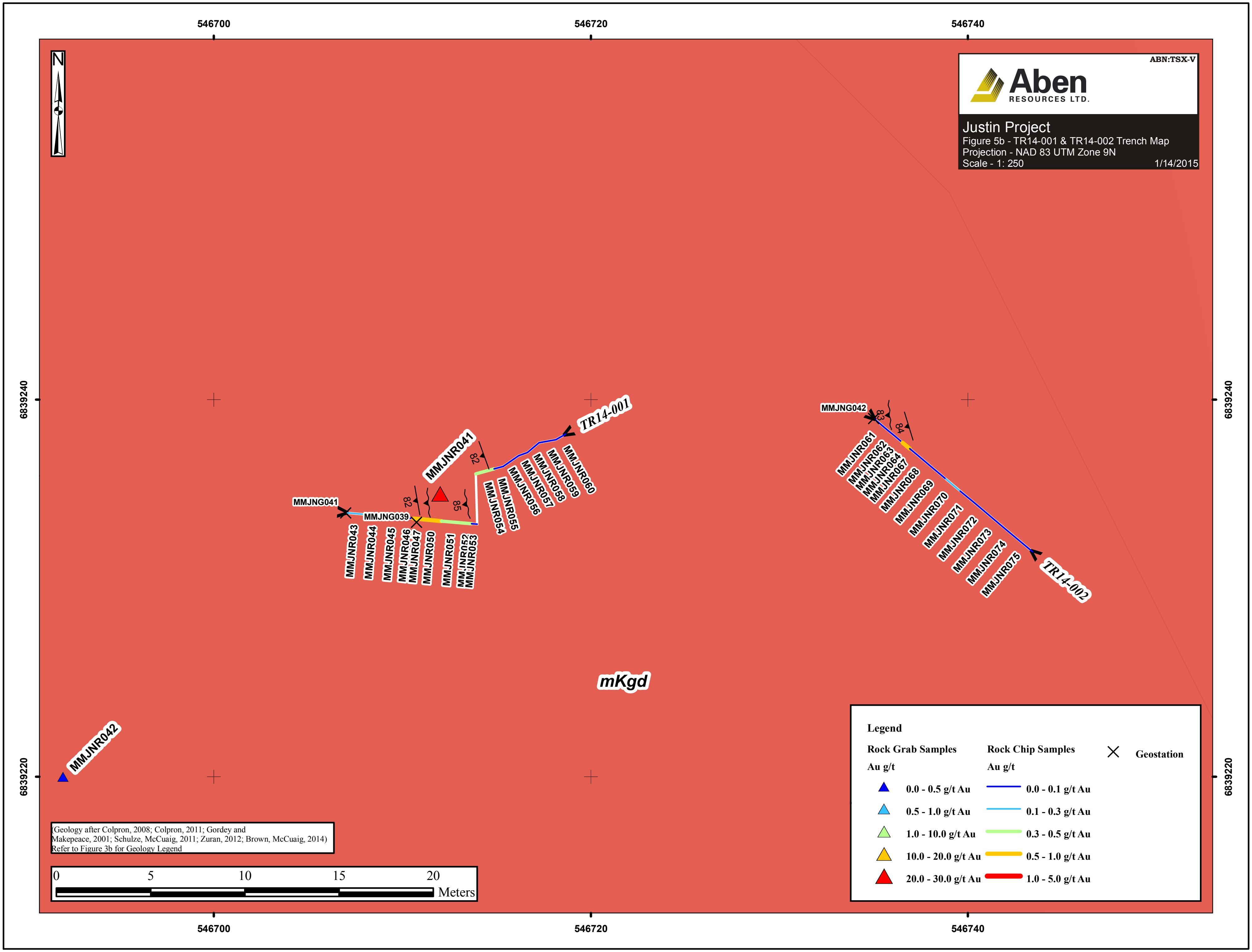
Table 5 – Correlation Matrix for the 2014 Rock Chip/Channel Samples

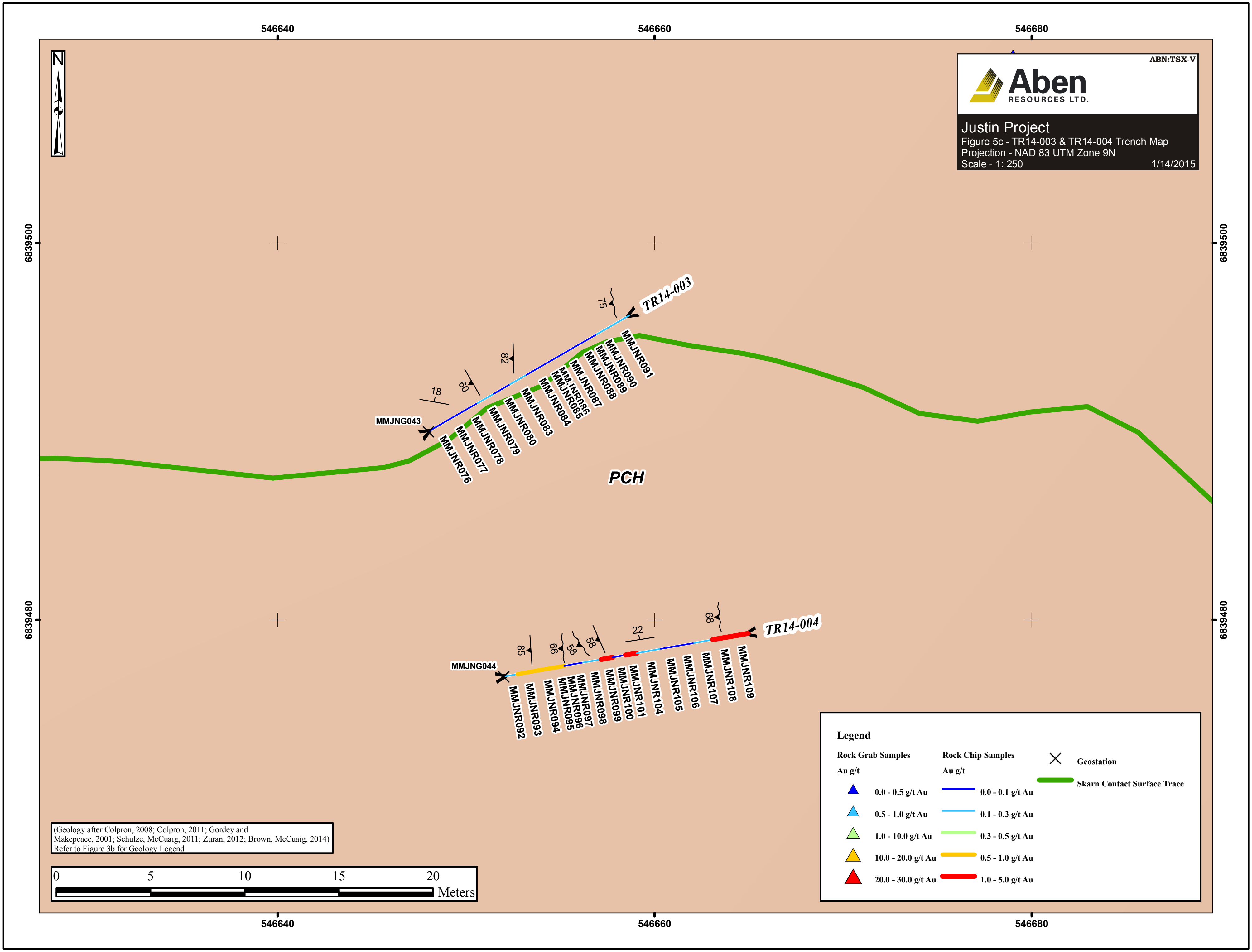
Correlation	Ag	As	Au	Bi	Cu	Fe	Mo	Sb	Te	W
Ag	1.00	0.30	0.65	0.68	0.73	0.68	0.30	0.51	0.64	0.25
As	0.30	1.00	-0.01	-0.02	0.00	0.03	-0.13	0.29	0.00	-0.15
Au	0.65	-0.01	1.00	0.94	0.51	0.69	0.43	0.47	0.98	0.35
Bi	0.68	-0.02	0.94	1.00	0.50	0.59	0.40	0.51	0.93	0.28
Cu	0.73	0.00	0.51	0.50	1.00	0.76	0.35	0.29	0.46	0.33
Fe	0.68	0.03	0.69	0.59	0.76	1.00	0.41	0.40	0.65	0.37
Mo	0.30	-0.13	0.43	0.40	0.35	0.41	1.00	0.09	0.41	0.61
Sb	0.51	0.29	0.47	0.51	0.29	0.40	0.09	1.00	0.47	-0.01
Te	0.64	0.00	0.98	0.93	0.46	0.65	0.41	0.47	1.00	0.27
W	0.25	-0.15	0.35	0.28	0.33	0.37	0.61	-0.01	0.27	1.00

Plate 21 – Photomicrograph of Visible Gold and Au-Bi-Te alloys



ABN:TSX-V
Aben
RESOURCES LTD.
Justin Project
Figure 5a - Trench Overview Map
Projection - NAD 83 UTM Zone 9N
Scale - 1: 3,000
1/14/2015
546400
546600
546800
547000
6839600
6839400
6839200
N
JN12018
JN12017
JN11010
JN11009
JN12015
JN12019
JN12016
JN12011
JN12013
JN12014
JN12012
YD65452
YD65453
YD65454
YC73279
TR14-001
TR14-002
TR14-003
TR14-004
POW
PCH
mKgd
TR14-001
0.33 g/t Au over 6.70 m, including
0.59 g/t Au over 3.10 m, also including
0.96 g/t Au over 0.50 m
TR14-002
0.23 g/t Au over 4.00 m, including
0.95 g/t Au over 0.50 m
TR14-003
No Significant Results
TR14-004
0.92 g/t Au over 13.15 m, including
1.15 g/t Au over 7.90 m, also including
2.76 g/t Au over 1.90 m
(Geology after Colpron, 2008; Colpron, 2011; Gordey and Makepeace, 2001; Schulze, McCuaig, 2011; Zuran, 2012; Brown, McCuaig, 2014)
Refer to Figure 3b for Geology Legend
0 50 100 150 200
Meters
Legend
Rock Sample - Au g/t
0.0 - 0.2 g/t Au
0.2 - 0.5 g/t Au
0.5 - 1.0 g/t Au
1.0 - 5.0 g/t Au
5.0 - 22.5 g/t Au
DDH Location
DDH Trace
2014 Trench Locations
Skarn Contact Surface Trace
Mineral Occurrence
Justin Tenure Quartz Claims


546700
546720
546740
6839240
6839220
N
ABN:TSX-V
Aben
RESOURCES LTD.
Justin Project
Figure 5b - TR14-001 & TR14-002 Trench Map
Projection - NAD 83 UTM Zone 9N
Scale - 1: 250
1/14/2015
TR14-001
TR14-002
MMJNG041
MMJNG039
MMJNG042
MMJNR041
MMJNR042
MMJNR043
MMJNR044
MMJNR045
MMJNR046
MMJNR047
MMJNR050
MMJNR051
MMJNR052
MMJNR053
MMJNR054
MMJNR055
MMJNR056
MMJNR057
MMJNR058
MMJNR059
MMJNR060
MMJNR061
MMJNR062
MMJNR063
MMJNR064
MMJNR067
MMJNR068
MMJNR069
MMJNR070
MMJNR071
MMJNR072
MMJNR073
MMJNR074
MMJNR075
82
82
85
83
84
mKgd
(Geology after Colpron, 2008; Colpron, 2011; Gordey and Makepeace, 2001; Schulze, McCuaig, 2011; Zuran, 2012; Brown, McCuaig, 2014)
Refer to Figure 3b for Geology Legend
0
5
10
15
20
Meters
Legend
Rock Grab Samples
Au g/t
0.0 - 0.5 g/t Au
0.5 - 1.0 g/t Au
1.0 - 10.0 g/t Au
10.0 - 20.0 g/t Au
20.0 - 30.0 g/t Au
Rock Chip Samples
Au g/t
0.0 - 0.1 g/t Au
0.1 - 0.3 g/t Au
0.3 - 0.5 g/t Au
0.5 - 1.0 g/t Au
1.0 - 5.0 g/t Au
Geostation



546640
546660
546680
6839500
6839480
ABN:TSX-V
Aben
RESOURCES LTD.
Justin Project
Figure 5c - TR14-003 & TR14-004 Trench Map
Projection - NAD 83 UTM Zone 9N
Scale - 1: 250
1/14/2015
TR14-003
TR14-004
MMJNG043
MMJNG044
MMJNR076
MMJNR077
MMJNR078
MMJNR079
MMJNR080
MMJNR083
MMJNR084
MMJNR085
MMJNR086
MMJNR087
MMJNR088
MMJNR089
MMJNR090
MMJNR091
MMJNR092
MMJNR093
MMJNR094
MMJNR095
MMJNR096
MMJNR097
MMJNR098
MMJNR099
MMJNR100
MMJNR101
MMJNR104
MMJNR105
MMJNR106
MMJNR107
MMJNR108
MMJNR109
PCH
Legend
Rock Grab Samples
Au g/t
0.0 - 0.5 g/t Au
0.5 - 1.0 g/t Au
1.0 - 10.0 g/t Au
10.0 - 20.0 g/t Au
20.0 - 30.0 g/t Au
Rock Chip Samples
Au g/t
0.0 - 0.1 g/t Au
0.1 - 0.3 g/t Au
0.3 - 0.5 g/t Au
0.5 - 1.0 g/t Au
1.0 - 5.0 g/t Au
Geostation
Skarn Contact Surface Trace
(Geology after Colpron, 2008; Colpron, 2011; Gordey and Makepeace, 2001; Schulze, McCuaig, 2011; Zuran, 2012; Brown, McCuaig, 2014)
Refer to Figure 3b for Geology Legend
0
5
10
15
20
Meters

Diamond Drill Core Sampling Program

The goal of the 2014 tungsten reconnaissance sampling was to make a preliminary assessment of the property for economic W (tungsten) mineralization and sample core, previously drilled, for W specific analysis.

Examination of drill core using short wave ultraviolet lamps in 2012 revealed visible scheelite (calcium tungstate) mineralization disseminated within the POW zone skarn and sheeted vein arrays. Review of the 2011 – 2012 drill hole geochemical data set indicated that anomalous concentrations of tungsten (> 200 ppm W) were reported in the multi-element ICP analysis from several intervals within the POW zone skarn. It is important to note that although multi-element ICP analysis can indicate tungsten anomalies, it is not considered appropriate quantitative analyses for the commodity since it can grossly under-report actual quantities. The ICP W data, combined with the Justin project being situated 35 km southwest of North American Tungsten Corporations world-class Cantung tungsten deposit, helped the Company recognize the importance of evaluating the project to determine if significant quantities of tungsten could be identified.

The drill core sampling program consisted of re-analysis of 230 drill core samples from 7 of the 9 previously drilled POW zone holes (Refer to Table 6 and Table 7). All samples were submitted to ALS Minerals in Whitehorse for preparation. Geochemical analysis was completed at ALS Minerals Laboratory in Vancouver. The following analytic techniques were used for all drill core samples: W-XRF05 for all samples > 200 ppm W in the ME-ICP41 analysis and W-XRF10 for all samples > 5000 ppm W in the W-XRF05 analysis. QAQC measures included insertion of external blanks and standards into the sample stream for each drill hole sampled. A minimum of one standard sample and one blank sample were inserted into the sample stream every 20th sample. All reported intersections were determined using uncut WO_3 % weighted average calculations. WO_3 % values were calculated using a conversion factor of 1.2611 ((W ppm/10,000) * 1.2611 = WO_3 %). BC Energy & Mines.

Table 6 – Summary of Tungsten Sampling Program

DDH ID	Number of Samples Analyzed
JN11009	17
JN11010	19
JN12012	18
JN12013	63
JN12014	61
JN12016	15
JN12019	37

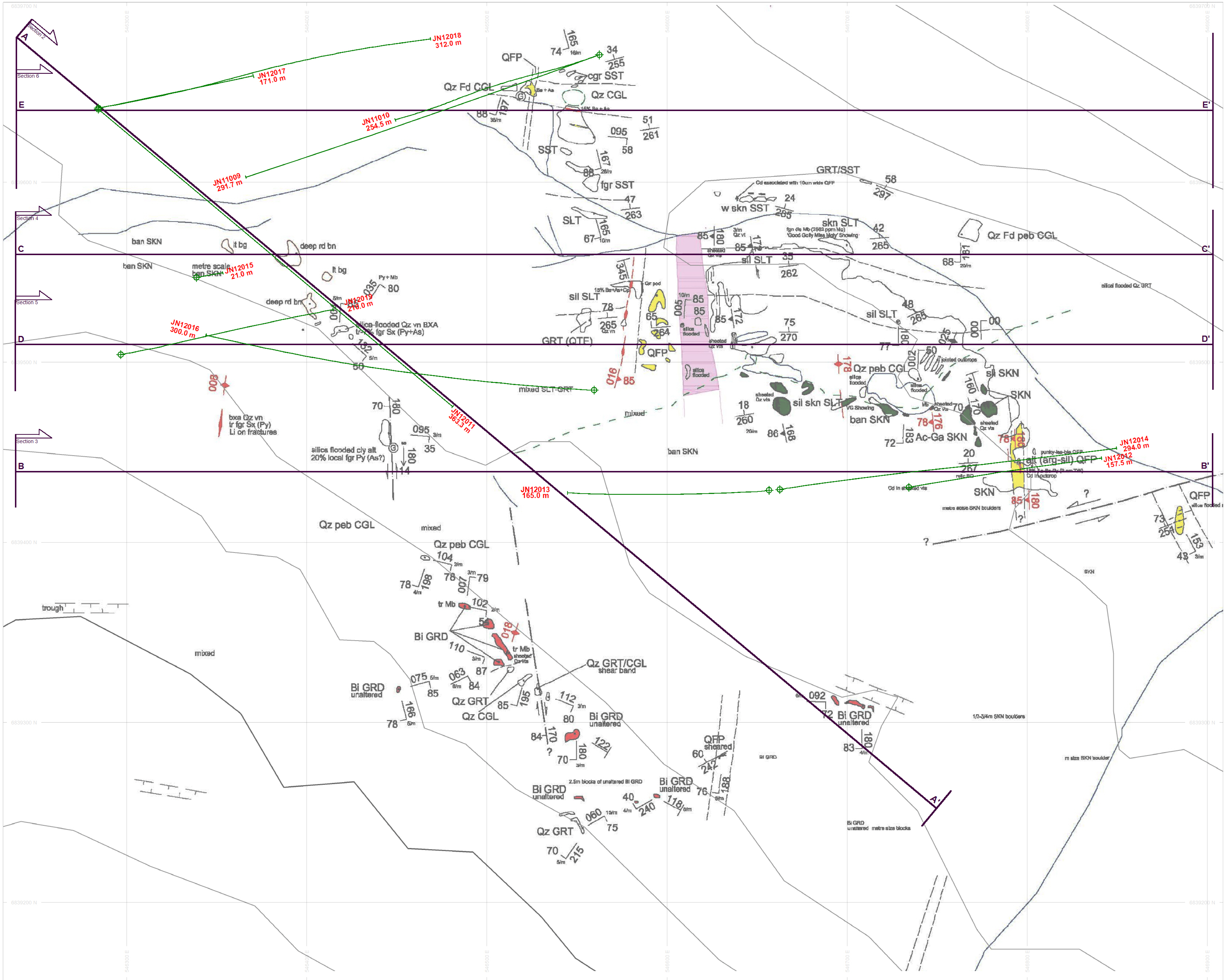
Table 7 – Diamond Drill Hole Collar Locations for Holes Sampled in 2014

Zone	Hole Number	Length(m)	Azimuth	Dip	Easting	Northing	Accuracy(m)	Elevation(m)	Hole Status	Start Date	Finish Date
POW	JN11009	291.7	250	-45	546562	6839670	0.5	1429	COMPLETE	09/07/11	09/11/11
POW	JN11010	254.5	250	-60	546562	6839670	0.5	1429	COMPLETE	09/11/11	09/14/11
POW	JN12012	157.5	80	-45	546734	6839430	0.5	1430	COMPLETE	07/29/12	08/01/12
POW	JN12013	162.0	260	-45	546656	6839429	0.5	1435	COMPLETE	08/01/12	08/03/12
POW	JN12014	294.0	80	-50	546662	6839429	0.5	1434	COMPLETE	08/04/12	08/07/12
POW	JN12016	300.0	270	-46	546559	6839484	0.5	1432	COMPLETE	08/08/12	08/12/12
POW	JN12019	210.0	80	-55	546296	6839504	0.5	1465	COMPLETE	09/16/12	09/23/12

Very encouraging results were returned from the program with highlights presented below in Table 8. High-grade tungsten mineralization is preferentially concentrated at the contact between the granodiorite and metasedimentary rocks (both the calc-silicate skarn and hornfels quartz pebble conglomerate lithologies host significant tungsten mineralization). The mineralization typically occurs as fine-medium grained disseminated scheelite with accessory powellite within the calc-silicate skarn and underlying hornfels quartz pebble conglomerate. Significant concentrations of scheelite also occur within sheeted quartz veins in close proximity to, and within the granodiorite stock. Gold mineralization is spatially associated with tungsten within the sheeted veins, but not within the calc-silicate skarn suggesting that multiple tungsten mineralization events overprint each other within the POW zone.

Table 8 – Summary of Tungsten Highlights from the 2014 Drill Core Analysis

2014 WO_3 Analysis Highlights			
DDH ID	**From (m)**	**To (m)**	**Uncut Sample Results WO_3 %**
JN11010	194.0	206.0	0.25 % WO_3 over 12.00 m
including	195.0	200.0	0.45 % WO_3 over 5.00 m
also including	196.0	200.0	0.48 % WO_3 over 4.00 m
also including	197.0	200.0	0.53 % WO_3 over 3.00 m
JN12013	4.1	33.0	0.10 % WO_3 over 28.90 m
including	23.8	33.0	0.14 % WO_3 over 9.20 m
and	45.8	46.9	1.15% WO_3 over 1.10 m
and	88.7	90.8	0.46 % WO_3 over 2.10 m
including	88.7	89.7	0.87 % WO_3 over 1.00 m
JN12016	104.7	113.2	0.39 % WO_3 over 8.50 m
including	104.7	107.3	0.62 % WO_3 over 2.60 m
also including	106.3	107.3	1.12 % WO_3 over 1.00 m
and	110.1	113.2	0.50 % WO_3 over 3.10 m
including	111.2	113.2	0.72 % WO_3 over 2.00 m
also including	111.2	112.6	0.88 % WO_3 over 1.40 m
JN12019	192.5	199.7	0.27 % WO_3 over 7.20 m
including	194.2	199.7	0.32 % WO_3 over 5.50 m
also including	197.8	199.4	0.52 % WO_3 over 1.60 m
also including	197.8	198.3	1.18 % WO_3 over 0.50 m
also including	199.4	199.7	1.27 % WO_3 over 0.30 m



HOLES PLOTTED

TOTAL 11

JN11009 JN11010 JN12011 JN12012 JN12013
JN12014 JN12015 JN12016 JN12017 JN12018
JN12019

Legend

Geology

Structural Symbology

- Bedding
- Contact - Assumed
- Fault - Assumed
- Fracture - number/meter
- Mineralized Vein
- Rubble Crop
- Slickenline
- Vein

Intrusive Rocks

CRETACEOUS

- Biotite Granodiorite
- Quartz Feldspar Porphyry

Sedimentary Rocks

PRECAMBRIAN

- Hyland Group - Skarn
- Hyland Group - Undifferentiated Siliciclastics and Calcareous Strata

PLAN SPECS:

REF. PT. E, N 546600 m 6840000 m

EXTENTS 677.4 m 543.5 m

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

N S E W

Aben Resources Ltd.

Justin Property

Figure 6 - DDH Plan Map

Section 6 – JN11009 and JN11010 (Figure 7)

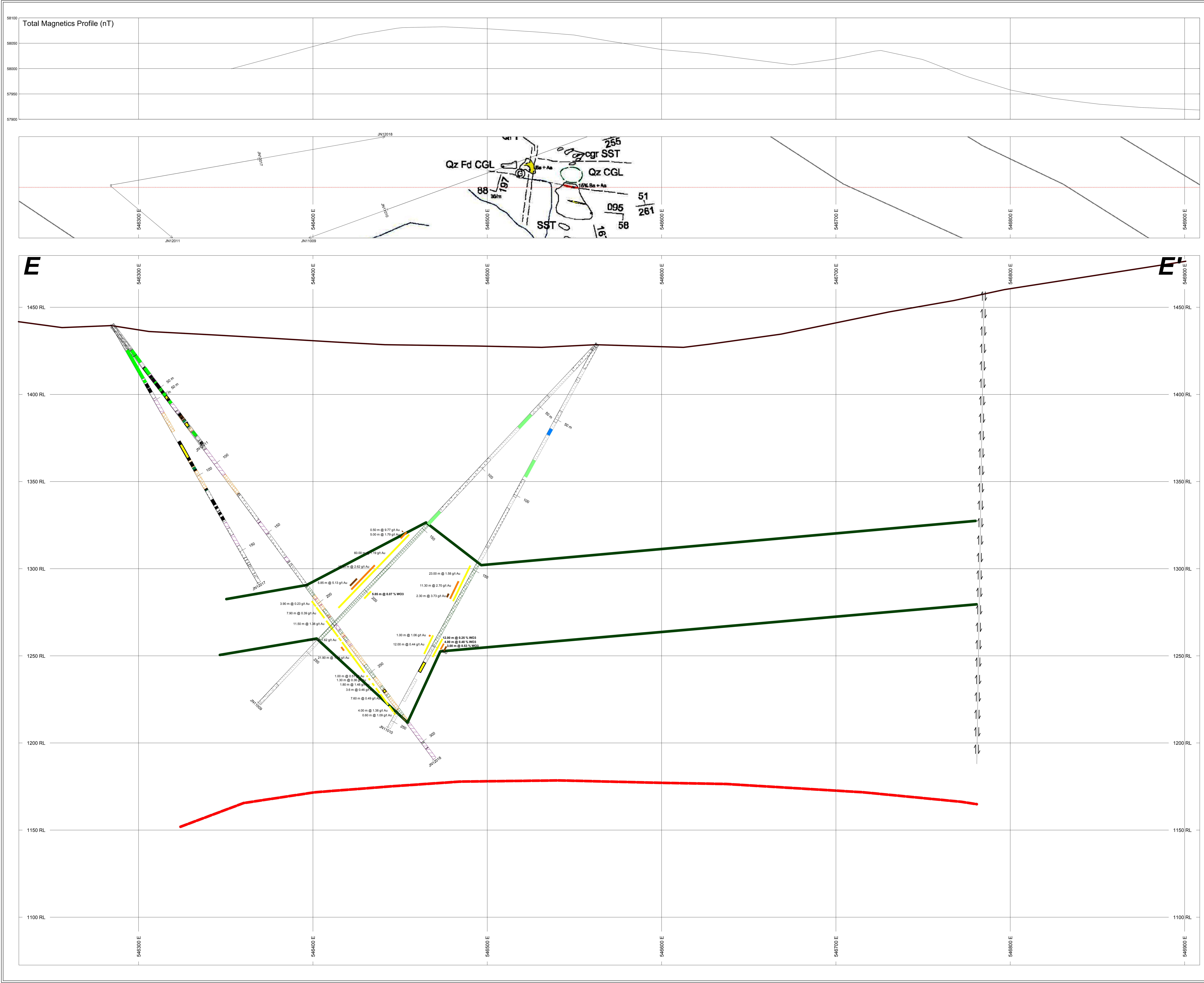
JN11009: Azimuth 250°, Inclination – 45°, EOH – 291.67 meters

Hole JN11009 was drilled as an addition to the 2011 Justin project, following discovery of two "new" mineral occurrences displaying favourable gold indicator minerals during follow-up mapping and prospecting of the POW zone. JN11009 was collared in a sequence of interbedded pebble conglomerate, marble and fine grained siltstone of the Hyland Group which extends to a depth of 145.95 meters. From 145.95-239.85 meters a sequence of thin to thick bedded, intensely altered limestone unit occurs. From 239.85-291.67 meters interbedded and intensely altered, hornfles fine grained siltstone and sandstone occur. Alteration within JN11009 is strongly controlled by the primary composition of the lithologies. Hydrothermal alteration occurs as vein-halo envelopes, contact metamorphic calc-silicate skarn, and as pervasive crystalline replacement associated with contact metamorphism. Hydrothermal stockwork veining and vein-breccia systems are enveloped by pervasive silicification and argillic alteration. The pebble conglomerate beds are receptive to the hydrothermal fluids and are commonly partially recrystallized within zones of intense brecciation and veining. Silica, biotite, chlorite +/- epidote +/- white clay alteration is common within the pebble conglomerate, and occurs as matrix replacement. Adjacent to calc-silicate altered limestone members, the pebble conglomerate matrix is also partially replaced by medium-coarse grained calc-silicate minerals such as pyroxene, epidote, and actinolite. Finer grained sediments such as siltstone and sandstone beds generally do not display the same degree of silicification, but are locally pervasively altered to sericite and/or biotite. Limestone and associated calcareous sediments are pervasively altered to a fine to coarse grained prograde exoskarn consisting of clinopyroxene, quartz, and hydrogrossular garnet. Retrograde alteration of the skarn occurs in areas of brittle fracturing and quartz-calcite veining. The alteration occurs as fine grained actinolite, chlorite, epidote +/- hematite. A secondary phase of intense clay and limonite alteration overprints the calc-silicate skarn, yielding a bleached beige-white color. The alteration is associated with quartz stock work veining, and occurs as an envelope with distinct solution-front boundaries. Below the well defined calc-silicate zone, skarn alteration intensity increases, with partial or complete recrystallization of coarse grained siliciastic sediments, and intense sericite alteration of fine grained siliclastics. The increase in alteration intensity is interpreted to reflect the spatial proximity to the intrusive sock identified in 2010. Hole JN11009 returned the most significant results of the 2011 drilling program. Mineralization occurs in two distinct settings: 1) Structurally controlled vein and vein-breccia hosted pyrite + pyrrhotite +/- bismuth +/- chalcopyrite +/- arsenopyrite +/- molybdenite +/- sphalerite +/- galena +/- scheelite +/-jamesonite; 2) Lithologically controlled skarn replacement hosted magnetite +/- pyrrhotite +/- chalcopyrite +/- bismuth +/- hematite +/- pyrite. Highlights from stock work veining include a 5.00 metre interval of 1.79 g/t Au from 158.00-163.00 meters, including 0.50 meters of 9.77 g/t Au from 159.05-159.55 meters. Highlights from intervals of skarn/ replacement mineralization include 5.85 meters of 5.12 g/t Au and 0.07 % WO_3 from 198.00-203.85 meters. Gold values returned from vein hosted mineralization have an excellent correlation with elevated values of Bi, and a moderate correlation with elevated values of Cu. Gold values returned from skarn hosted mineralization have a moderate correlation with both Bi and Cu. The interval of 21.00 meters of 2.47 g/t Au from 184.00-205.00 meters is characterized by elevated values of Bi, Cu, Fe, Mo, and W. An interesting observation is that both the skarn replacement and vein hosted mineralization are most highly developed within the limestone unit suggesting that the skarn alteration is an important precursor for ground preparation for the structurally controlled stock work veining. A pronounced magnetic anomaly was detected by the down hole survey tool magnetic susceptibility meter at a depth of 92.00 meters. The anomaly is interpreted to represent the influence of the magnetite rich skarn on the survey tool.

JN11010: Azimuth 250°, Inclination – 60°, EOH – 254.50 meters

Drill hole JN11010 was added to the 2011 Justin project after significant vein and skarn hosted mineralization was discovered in Hole JN11009. It was designed to test the down dip expression of the intersection obtained from JN11009. The geological setting observed within JN11009 and JN11010 correlates very well between drill holes, and with the surface exposure mapped in 2010 and 2011. Major differences in the geology observed within JN11010 compared to Hole JN11009 are as follows: 1) The calc-silicate skarn interval has been overprinted by extensive hydrothermal potassic alteration associated with post-skarn quartz-calcite stockwork veining. The increase in density of quartz-calcite veining and associated alteration in JN11010 within the calc-silicate skarn is interpreted to represent the intersection of a structurally controlled zone of hydrothermal fluid flow. The same style of veining and alteration was observed in JN11009 from 150.00-174.00 meters. The increase in intensity across this zone from JN11009 to JN11010 is interpreted to reflect the proximity to a property scale NNW trending structural zone focusing hydrothermal fluids. 2) The intersection of a porphyritic felsite dike from 210.90-217.40 meters. 3) Change in the geochemical signature of the mineralized quartz stock work system. In Hole JN11009, the mineralized vein interval from 158.00-163.00 meters was characterized by Au associated with Bi, whereas in JN11010 the vein stockwork interval from 149.00-172.00 meters was characterized by Au associated with Ag, As, Bi, and Sb. Another stark difference is that replacement-style gold skarn mineralization has been leached from altered skarn in JN11010. This is a function of retrograde alteration as seen in other DDH from the POW zone. A highly anomalous intersection of gold-tungsten mineralization grading 12.00 metres if 0.44 g/t Au and 0.25 % WO_3 was returned from 194.00-206.00 meters in JN11010. It is plausible that the hydrothermal activity responsible for the emplacement of the quartz stockwork veining may have acted as a leaching mechanism for gold from the original skarn, yielding a lower grade intersection across the same zone. 4) Intense silicification and argillic alteration occurs from 217.40 meters to the end of the hole at 254.50 meters. Pebble conglomerate beds have been partially to completely replaced by crystalline silica and calc-silicate minerals, and feldspar clasts have been replaced by white clay. Fine-medium grained molybdenite occurs as disseminations within the intensely altered sediments. The increase in alteration (hornfels) at depth within the hole, coupled with the presence of disseminated molybdenite within the sediments and quartz veins, suggests that JN11010 is in close proximity to an intrusive stock.

An interval of highly anomalous tungsten mineralization intercepted from 195.00-206.00 meters returned a value of 0.25 % WO_3, including 3.00 meters of 0.53 % WO_3 from 197.00-200.00 meters. This tungsten bearing zone of hornfels quartz pebble conglomerate is interpreted to represent the contact aureole of the granodiorite stock, and suggests that further exploration of this contact zone is warranted to define the extent of mineralization.



HOLES PLOTTED

TOTAL 5

JN11009 JN11010 JN12011 JN12017 JN12018

Topographic Surface

Granodiorite Contact

Skarn Envelope

NUMBER BANDS	L/R	COL	RANGE
Zone WO3%	R		3
			2
			1

ROCK CODES	PAT	CODE	DESCRIPTION
Rock Type		calc-silicate rock	CLS
		calcareous mudstone	CMS
		calcareous siltstone	CSS
		fault	FLT
		granodiorite	GRD
		hornfels	HFL
		limestone	LST
		lost	LOS
		massive sulphide	MAS
		overburden	OVB
		quartz pebble conglomerate	QPC
		sandstone	SST
		siltstone	SLT
		skarn	SKN
		vein	VEN
		quartz feldspar porphyry	QFP
		retrograde skarn	RSK
		semi-massive sulphide	SSX

SECTION SPECS:

REF. PT. E, N	546570 m	6839640 m
EXTENTS	677.4 m	407.2 m
SECTION TOP, BOT	1480 m	1073 m
TOLERANCE +/-	42.8 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 90°

N W E S

Aben Resources Ltd.

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Section 6

Section 3 – JN12012, JN12013, JN12014 (Figure 8)

JN12012: Azimuth 080º, Inclination – 45º, EOH – 157.5 metres

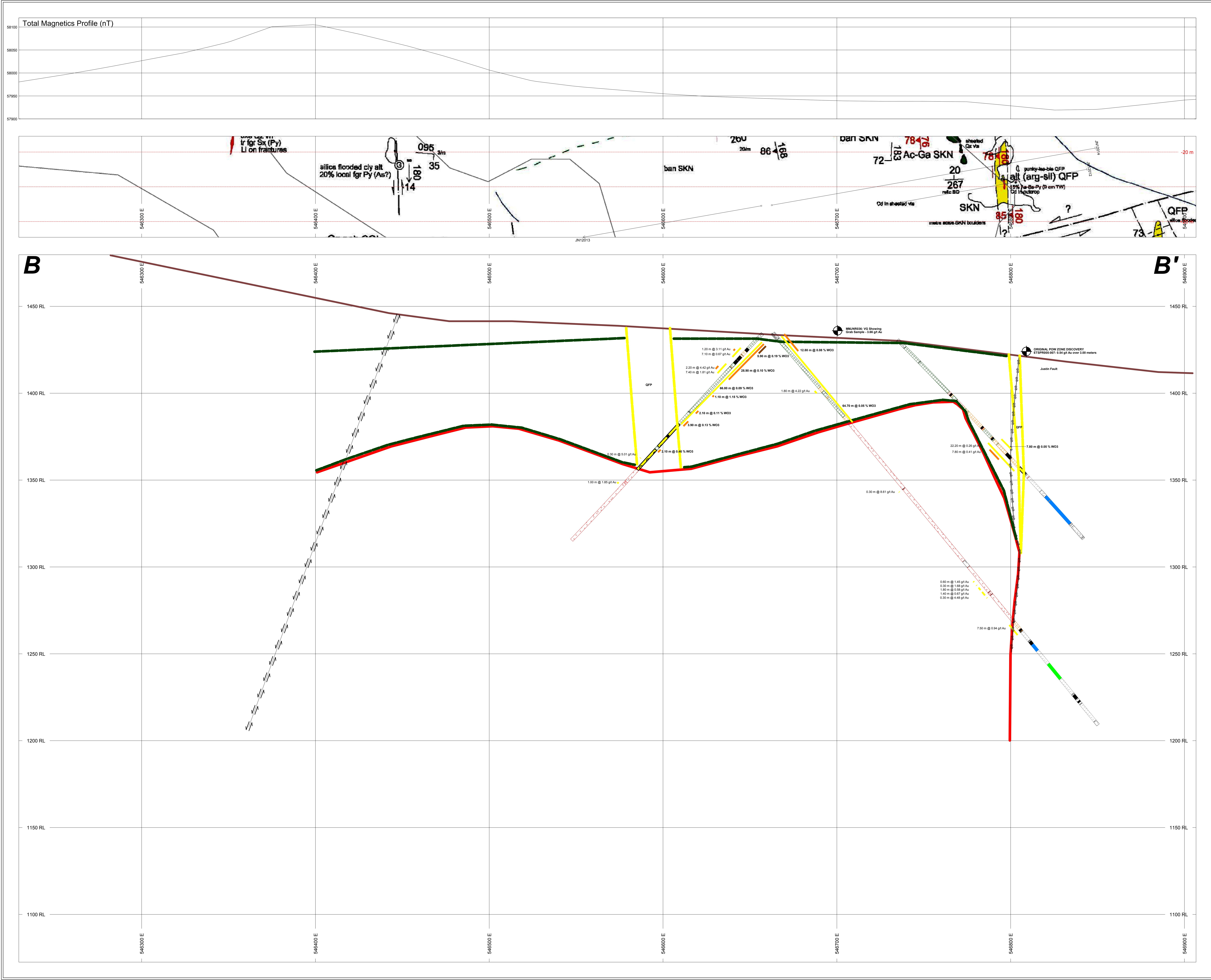
Hole JN12012 was designed to test the down dip extension of the original POW zone showing, an array of sheeted quartz veins in which samples from 2010 returned 0.54 g/t Au over 3.00 metres and 0.88 g/t Au over 1.00 metre. The hole collared in calc-silicate skarn, which continued to a depth of 102.1 metres. The skarn is in direct contact with the granodiorite, and throughout the skarn characteristics of both exoskarn and endoskarn were observed. The latter endoskarn occurs as calc-silicate altered granodiorite, observed as a mottled greenish-white-pinkish equigranular granodiorite to quartz-feldspar porphyry dykes and/or sills. A zone of sheeted quartz veining within the calc-silicate exoskarn was intersected from 79.9 metres to 102.1 metres, which returned 22.2 metres grading 0.26 g/t Au. A sub-interval within the sheeted vein array returned 7.80 metres of 0.05 % WO_3. Vein density through the interval ranged from 5 – 30 veins per metre. Intense tan coloured retrograde alteration as described in JN12011 occurred throughout the sheeted vein interval. Pyrite, pyrrhotite, chalcopyrite, bismuthinite, and scheelite were observed within the sheeted veins. A barren set of quartz veins is also present as a stockwork vein system overprinting the sheeted veins. From 102.1 to 107.4 metres, a quartz-feldspar porphyry dyke was intersected which is strongly fractured, veined, and weakly mineralized by pyrite and scheelite. From 107.4 to 108.2 metres, a large cataclasite fault structure was intersected, one of the major N-S faults which comprise the Justin Fault system. Fragments of the quartz feldspar porphyry dyke and abundant clay gouge were observed within the fault. Tracing both the sheeted veins and porphyry dyke from surface indicates that the structure is nearly vertically inclined. From 108.2 - 157.5 metres interbedded siltstone, sandstone and black limestone were intersected. Hornfels alteration decreases from the fault contact at 108.2 metres and is not evident in the sediments by 112.5 metres. Bedding angles suddenly shift on the eastern side of the fault and were commonly observed at 10-20 degrees to core axis. No sheeted quartz veins or mineralization was observed below 108.2 metres. Bedding is highly deformed, with numerous folds observed within the core. The fault observed at 107.4 metres has allowed for an unknown amount of displacement which has in turn juxtaposed the calc-silicate skarn and granodiorite stock to the west, with unaltered Hyland group sediments to the east. The hole was terminated at a depth of 157.5 metres in unaltered, equigranular grey quartz sandstone.

JN12013: Azimuth 260º, Inclination – 45º, EOH – 162.0 metres

Hole JN12013 was designed to test the near surface potential of sheeted quartz vein arrays within the calc-silicate skarn identified early in the 2012 exploration program. The calc-silicate skarn was intersected from surface to a depth of 90.8 metres and is cross-cut by a quartz-feldspar porphyry dyke from a down-hole depth of 70.9 to 88.7 metres. Sheeted veining and retrograde alteration of the skarn began at a depth of 14.2 metres and continued to a depth of 27.8 metres. The friable nature of the retrograde skarn made for very difficult drilling conditions and as a result 7.4 metres of the interval was not recovered. The sheeted veins contain variable amounts of pyrite, pyrrhotite, scheelite, bismuthinite, chalcopyrite, and gold. The interval returned two significant intersections including 7.1 metres grading 0.67 g/t Au and 7.4 metres grading 1.81 g/t Au. These intervals represent the successful intersection of near surface gold mineralization within the POW zone. The calc-silicate skarn is also host to disseminated scheelite, which returned anomalous values from the collar to a depth of 70.3 metres including: 66.80 metres of 0.09 % WO_3; 28.90 metres of 0.10 % WO_3; and 5.90 metres of 0.19 % WO_3. A one metre interval of endoskarn at a depth of 88.7 metres returned 0.87 %WO_3 . For a complete summary of results from DDH JN12013 refer to Table 8, significant intersections. The lower contact of the skarn is in contact with a quartz feldspar porphyry dyke which continued to a depth of 106.6 metres. The dyke is white in colour, with abundant clay on hairline fractures. Numerous quartz stockwork stringers cross-cut the dyke and contain molybdenite, bismuthinite, and native bismuth. From 106.6 to 162.0 metres, the Justin stock was intersected; comprised of equigranular biotite granodiorite and porphyritic segregations of quartz monzonite. Clay altered fault zones were observed at 133.9-134.8 and 149.6-150.0 metres; the fault orientations remain unclear at present. Local concentrations of sheeted quartz veins with molybdenite, chalcopyrite, and rare bismuthinite occur within the stock. No significant gold values were returned from these veins. The hole was terminated due to a decrease in sheeted vein density and alteration within the granodiorite intrusion.

JN12014: Azimuth 080º, Inclination – 50º, EOH – 294.0 metres

Hole JN12014 was designed to test the down dip extension of the sheeted vein array observed along the western margin of the Justin fault intersected in JN12012. The hole collared in the calc-silicate skarn and continued in the skarn to a depth of 68.8 metres. A sheeted vein interval intersected at 41.5 metres within the skarn returned 1.8 metres grading 4.88 g/t Au. This interval has been interpreted to be the down dip extension of MMJNR036, a grab sample of sheeted quartz vein material containing visible gold which returned a value of 3.66 g/t Au. As observed in JN12013, the calc-silicate skarn in JN12014 is host to anomalous concentrations of tungsten from the beginning of the hole to the contact with the Justin stock at a down-hole depth of 72.2 metres. Assays from the calc-silicate skarn returned 64.70 metres of 0.05 % WO_3. The Justin stock was intersected at 68.8 metres and continued to 217.0 metres. The intrusion displays variably intense kaolinite alteration, which emphasizes large euhedral quartz eyes. Both the kaolinite altered and unaltered biotite granodiorite host sheeted quartz veins. Beginning at 184.4 metres and continuing to 217.0 metres, a zone of sheeted quartz veining was intersected correlating to the zone beginning at 80.6 metres in JN12012. The sheeted quartz veins range in thickness from 1 – 300 mm, with densities ranging from 1 – 5 per metre. The veins contain pyrite, bismuthinite, scheelite, and visible gold. A 40 mm wide quartz vein at 187.3 metres contained 3 sightings of visible gold, the first documented occurrence of visible gold in drill core on the Justin property. Assays from the sheeted vein interval returned significant results, including: 0.6 metres grading 1.45 g/t Au, 0.3 m grading 1.68 g/t Au, and 0.3 metres grading 4.45 g/t Au. Uncut gold grades from 184.4 to 196.9 metres return 12.5 metres grading 0.40 g/t Au. The granodiorite is abruptly truncated by a cataclasite fault at 217.0 metres. The fault marks the upper contact of the Justin fault which in JN12014 hosts a faulted block of retrograde skarn. The upper fault contact is marked by a 40 cm interval of clay gouge. From 217.0 to 224.2 metres, brecciated, tan coloured retrograde skarn and cataclasite was intersected. Where brecciated, the retrograde skarn hosts 30-40 cm zones of semi-massive pyrite cement, with trace bismuthinite, sulfosalts, arsenopyrite, sphalerite, and gold. The interval returned 7.5 metres grading 0.94 g/t Au. The lower 50 cm of the interval is comprised of a dark grey to black, sulphide rich clay gouge, marking the lower contact of the fault. The retrograde skarn is interpreted to represent a fault block separating the granodiorite to the west from unaltered fine grained siliclastic and carbonate rocks of the Hyland group to the east. Pierce points in the fault in JN12012 and JN12014 indicate that the Justin fault is steeply dipping to the east. It remains unclear the amount of displacement which has taken place along the Justin fault. The presence of sulphide rich clay gouge suggests that the fault was active post-mineralization. The structural evidence must be taken into account when targeting future drill holes in the area. From 224.2 metres to 294.0 metres, interbedded siltstone, laminated calcareous siltstone, black limestone and sandstone of the Hyland group were intersected. The sediments are generally unaltered, with only weak calc-silicate alteration of calcareous sediments. As in JN12012, bedding orientations were observed at 10-20 degrees to core axis, and all of the units display both brittle and ductile deformation. Fine grained disseminations of rare pyrite, pyrrhotite, and arsenopyrite mineralization were observed mottling calcareous siltstones from 259.7 to 270.8 metres. The hole was terminated within a massive grit sandstone, which is unaltered and void of mineralization.



HOLES PLOTTED

TOTAL 3

JN12012 JN12013 JN12014

Topographic Surface
Granodiorite Contact
Skarn Envelope

NUMBER BANDS	L/R	COL	RANGE
Zone WO3%	R		3
			2
			1

ROCK CODES	PAT	CODE	DESCRIPTION
Rock Type		calc-silicate rock	CLS
		calcareous mudstone	CMS
		calcareous siltstone	CSS
		fault	FLT
		granodiorite	GRD
		hornfels	HFL
		limestone	LST
		lost	LOS
		massive sulphide	MAS
		overburden	OVB
		quartz pebble conglomerate	QPC
		sandstone	SST
		siltstone	SLT
		skarn	SKN
		vein	VEN
		quartz feldspar porphyry	QFP
		retrograde skarn	RSK
		semi-massive sulphide	SSX

SECTION SPECS:

REF. PT. E, N	546568 m	6839440 m
EXTENTS	677.4 m	407.2 m
SECTION TOP, BOT	1480 m	1073 m
TOLERANCE +/-	20 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 90°

N

W E

S

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Justin Property

Section 3

Section 5 – JN12016 and JN12019 (Figure 9)

JN12016: Azimuth 270º, Inclination – 46º, EOH – 300.0 metres

JN12016 was designed to test the potential for skarn hosted mineralization south and up-dip of the zone intersected in JN11009, JN11010, and JN12011. The hole collared in hornfelsed units comprised of quartz pebble conglomerate and siltstone which continued to a depth of 26.2 metres. From 26.2 to 50.6 metres, calc-silicate exoskarn was intersected. Trace amounts of disseminated scheelite occur within the skarn and 4 samples from the interval returned > 100 ppm tungsten. From 50.6 to 112.6 metres, variably veined tan coloured retrograde skarn was intersected. The best vein development occurrs at the base of the retrograde skarn zone. Sheeted veins from 98.0 to 107.3 metres return an uncut gold grade of 2.88 g/t Au over 9.30 metres with 5.3 metres grading 4.12 g/t Au. The veins host pyrite, pyrrhotite, chalcopyrite, bismuthinite, scheelite and visible gold. A 0.8 metre sample collected from a depth of 104.7 metres contained two sightings of visible gold and returned an assay value grading 21.20 g/t Au. This is the highest gold assay from drill core reported to date on the Justin property and highlights the potential for structurally hosted high-grade gold. In addition to high-grade gold this interval of veining also contains significant concentrations of high-grade tungsten. Assay results from this interval returned 8.50 metres of 0.39 % WO_3, including 2.60 metres of 0.62 % WO_3, also including 1.00 metres of 1.12% WO_3. 112.6 metres marks the contact between the retrograde skarn and underlying hornfels, which continued to a depth of 118.4 metres. The hornfels is soapy green to brown in colour and has a banded appearance. The interval is cut by abundant milky white quartz and calcite veins, which returned weakly anomalous gold and tungsten values. The hornfels is in direct contact with the Justin stock at a depth of 118.4 metres. The stock, a variably clay altered granodiorite, continued to the end of the hole at 300.0 metres. Quartz stockwork and sheeted veining were observed within the granodiorite, as well as 10 – 30 cm intervals of brecciation. The zones of brecciation are infilled by fine grained brownish black biotite and trace black aphanitic tourmaline. Pyrite, molybdenite, arsenopyrite, bismuthinite, scheelite, and sulfosalts were observed in trace amounts within the sheeted quartz veins. Overall samples collected from intervals of sheeted quartz veining returned weakly anomalous gold values, which were concentrated within the upper 20 metres of the intrusion at the contact zone with the overlying retrograde skarn and hornfels. JN12016 was terminated in unaltered biotite granodiorite at a depth of 300.0 metres.

JN12019: Azimuth 080º, Inclination – 55º, EOH – 210.0 metres

Hole JN12019 was designed to test the potential of the POW zone skarn 50 metres south of JN12011, which returned 15.0 metres of 3.1 g/t Au. A total of 5 days were spent driving casing to bedrock using HQ coring gear. A boulder field extends from the collar to a depth of 39.5 metres and proved to be very difficult to drill through. Hornfels quartz pebble conglomerate and siltstone were collared into, and continued to a depth of 73.9 metres. A cataclasite breccia containing a graphite and pyrite rich matrix was intersected at a depth of 73.9 metres and continued until 95.4 metres. The breccia is light grey to black in colour, with sub-rounded to angular framework clasts ranging in size from 2 mm up to 100 mm. From 84.2 to 85.7 metres, the breccia has local open space vugs measuring up to 40 mm in diameter. The graphitic matrix of this rock type is thought to be the source of the very large EM conductor detected by the 2010 airborne geophysics survey. At 95.4 metres, the targeted calc-silicate skarn was intersected and continued to a depth of 198.3 metres. From 95.4 metres to 118.8 metres, the skarn is unusually garnet rich and has undergone extensive oxidation likely from the interaction of meteoric waters. One significant interval of gold mineralization within the oxidized interval returned 2.40 metres grading 2.44 g/t Au, including 0.60 metres grading 6.68 g/t Au. The gold mineralization occurs in association with fine grained bands of magnetite, coarse grained garnet, and epidote. Below the oxidixed garnet rich zone observed at the top of the interval, the skarn grades into the more classic dark green calc-silicate skarn, which in turn has undergone partial retrograde alteration. Difficult drilling conditions encountered at a depth of 156.0 metres forced the drill crew to reduce to NQ size coring gear. This procedure was successful and coring continued through the targeted skarn. Mineralization within the skarn was restricted to the vein hosted type. Several zones of quartz+/-polymetallic veining occurred within the prograde calc-silicate skarn, but returned only weakly anomalous gold values. At present it is not fully understood why such a significant change in the character of the skarn occurred over a horizontal distance of 50 metres. The unusual garnet concentration in the upper portions of the skarn indicate that contact metamorphic temperatures may have been higher in proximity to the Justin stock, and therefore this portion of the skarn may not have been within the favourable temperature regime for precipitating significant concentrations of gold. The base of the calc-silicate skarn is in direct contact with the Justin stock. The granodiorite stock was intersected at a depth of 198.3 and the hole continued along the granodiorite/hornfels contact to a total depth of 210.0 metres. Sheeted quartz veining occurs in the granodiorite, skarn, and hornfels and contains pyrite+/-bismuthinite+/-chalcopyrite+/-scheelite+/-gold. Of significance is the high concentration of tungsten that were reported from the interval 192.50 to 199.70 metres averaged 0.27 % WO_3 with one 0.5 metre sample at 197.8 metres returning 1.18 % WO_3 and one 0.3 metre sample at 199.40 metres returning 1.27 % WO_3. This intersection is the highest tungsten concentration reported on the Justin property to date and warrants further evaluation. The hole was terminated for two reasons: 1) the primary skarn type target was intersected and 2) budget constraints. Of particular interest is the last sample of the hole, a 1.5 metre interval from 208.5 to 210.0 containing sheeted quartz veins which returned an assay value of 0.91 g/t Au. This sample may represent the beginning of another gold zone. Assay control from JN12011 and JN12016, which are both relatively close to each other, suggest that gold grades in the immediate area of JN12019 dissipate rapidly at depth within the granodiorite.

magL_Sprogge
HOLES PLOTTED
TOTAL 3
JN12011 JN12016 JN12019
D
D'
QFP
Topographic Surface
Granodiorite Contact
Skarn Envelope
NUMBER BANDS L/R COL RANGE
Zone WO3% R
3
2
1
ROCK CODES PAT CODE DESCRIPTION
Rock Type
calc-silicate rock CLS
calcareous mudstone CMS
calcareous siltstone CSS
fault FLT
granodiorite GRD
hornfels HFL
limestone LST
lost LOS
massive sulphide MAS
overburden OVB
quartz pebble conglomerate QPC
sandstone SST
siltstone SLT
skarn SKN
vein VEN
quartz feldspar porphyry QFP
retrograde skarn RSK
semi-massive sulphide SSX
SECTION SPECS:
REF. PT. E, N 546570 m 6839510 m
EXTENTS 665.9 m 400.2 m
SECTION TOP, BOT 1479 m 1079 m
TOLERANCE +/- 27.55 m
SCALE 1 : 983
(m)
AZIMUTH = 90°
N
W
E
S
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Justin Property
Section 5

CONCLUSIONS

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

The primary objective of the 2014 exploration program was to determine the potential for economic gold & tungsten mineralization at surface within the POW zone and to prospect the Big Swifty showing discovered in 2012. The YMEP funded program included geological mapping, geochemical surveying, trenching and sampling of drill core.

The 2014 exploration program was successful in identifying gold and tungsten mineralization at the POW zone, both at surface (2014 trenching) and at depth (drill core sampling).

Trenches TR14-001 and TR14-002 were designed to follow up on a grab sample collected in 2012 which returned 22.2 g/t Au from sheeted veins within the Justin Stock granodiorite (MMJNR041). Both TR14-001 and TR14-002 successfully delineated gold-tellurium-bismuth bearing sheeted vein arrays at surface within the granodiorite stock extending the prospective sheeted vein array 225 meters south along strike from the original POW zone discovery outcrop. TR14-003 was designed to evaluate sheeted vein arrays hosted within calcareous chert, a rock unit which defines the upper contact of the POW Zone skarn. Well-developed sheeted vein arrays were sampled; however TR14-003 returned no significant results. TR14-004 was designed to evaluate sheeted vein arrays hosted within the POW Zone skarn, the main exploration target on the Justin property. TR14-004 successfully delineated gold-tellurium-bismuth bearing sheeted vein arrays within the skarn extending gold mineralization at surface 50 meters north from that defined in diamond drill holes JN12013 and JN12014 Visible gold was identified in quartz veins found in outcrop within the granodiorite stock (TR14-002). Highlights from the trenching program returned significant results as follows: 6.70 metres grading 0.33 g/t Au, including 0.50 metres grading 0.96 g/t Au in TR14-001; 4.00 metres grading 0.23 g/t Au, including 0.50 metres grading 0.95 g/t Au in TR14-002; and 13.15 metres grading 0.92 g/t Au, including 7.90 m grading 1.15 g/t Au in TR14-004.

Highlights from the diamond drill core sampling program returned significant results as follows: 8.50 metres grading 0.39 % WO_3, including 1.00 metre of 1.12 % WO_3 in JN12016; 28.90 metres grading 0.10 % WO_3 beginning at surface and 1.10 metre grading 1.15 % WO_3 in JN12013; 12.00 metres grading 0.25 % WO_3, including 3.00 metres of 0.53 % WO_3 in JN11010; and 7.20 metres grading 0.27 % WO_3, including 1.60 metres grading 0.52 % WO_3, also including 0.50 metres grading 1.18 % WO_3 and 0.30 metres grading 1.27 % WO_3 in JN12019.

Soil sampling northwest of the POW zone outlined a 100-metre long zone of elevated to highly anomalous (> 99th Percentile) Au values in soil (67 – 2410 ppb Au) from JNL024 13+50 W to 14+00 W. The anomaly remains open in three directions. The 2140 ppb Au soil sample is the highest gold-in-soil assay value discovered on the property to date. The two samples correlate with the southern margin of a magnetic high anomaly of similar intensity to that observed at the POW zone. Further prospecting, infill geochemical surveys, trenching and mapping is recommended to follow up on this high priority geochemical anomaly.

Soil sampling completed north of the Big Swifty showing returned anomalous Au results. Soil line JNL026 returned four consecutive samples (JNL026 04+00E to 05+50 E) > 95th Percentile Au (14.8 – 59.9 ppb Au) which corresponds to an area where extensive quartz-carbonate stock work veining was observed in Yusezyu Formation outcrop. The quartz-veining and gold-in-soil anomaly corresponds to the southern extension of the Justin Fault system, and suggests that the structure is weakly enriched in gold. Future prospecting should focus on rigorous sampling of the quartz stock work veining, and evaluating the prospective Justin Fault system along strike.

Five rock samples from the greater Big Swifty area returned weakly to highly anomalous assay results. Of particular interest was grab sample MMJNR113 collected from talus within the March Fault. MMJNR113 is a metal-rich, magnetic ferricrete which returned highly anomalous assay results of 45.0 % Zn, 6.9 % Pb, 54.3 ppm Ag, 111 ppm Hg, 5.94 ppm Bi and 31.2 ppm Sb. The sample was collected from one of several cobble sized fragments of ferricrete found within a talus slide primarily comprised of limestone. At present there are two plausible explanations for the formation of the ferricrete: The precipitate represents deposition of metals leached from sediments into a chemical trap at the fault contact between the limestone and phyllite lithologies; and/or the concentration of base metals is a distal expression of the IRGS which focused base-metal rich hydrothermal fluids along the March Fault system. Regardless of it's paragenesis, sample MMJNR113 represents the highest base metal values discovered on the property to date.

In summary, the Justin Property has several key features which highlight its significant potential to host an economic intrusion related gold+/-base metal deposit:

- The Justin property hosts multiple styles of gold and tungsten mineralization all of which are consistent with an IRGS;
- Gold mineralization on the property is directly related to bismuth and tellurium; the presence of bismuth and tellurium can be utilized as a confident indicator for the potential of increasing gold grade;
- High-grade tungsten mineralization has been discovered on the property and is preferentially concentrated at the contact between the granodiorite and metasedimentary rocks at the POW zone;
- Au + W skarns and sheeted veins are preferentially developed within the contact aureole of a partially un roofed pluton;
- At the POW zone, the north trending extensional architecture comprising the Justin Fault (and related splays) has played an integral role in developing permeability within stratigraphic lithologic units allowing for the emanation of metalliferous hydrothermal fluids from the Justin stock into favourable structural and chemical traps, with the best grade development occurring within the skarn;
- There is great potential to explore for cupola zones of the partially un roofed Justin stock within the Justin Fault system, often the most prospective target in an IRGS;
- Several high-priority exploration targets, defined by geophysics and geochemistry exist within 2 km of the POW zone mineralization and remain under explored and untested by drilling. These areas offer significant potential for expanding the current extent of mineralization and making additional gold and tungsten discoveries;
- Outlier zones on the property such as the Big Swifty area hold potential for the discovery of both gold and base metal mineralization.

Total expenditures related to the Justin Project in 2014 were approximately $120,000.00. A total of $67,585.00 of the total expenditures qualify as eligible field expenses as defined by the rate guidelines provided by the Yukon Geological Survey.

RECOMMENDATIONS

Further exploration work is strongly recommended on the Justin property with a focus on expanding the POW zone and assessing the remainder of the property for economic gold and base metal potential, including, but not limited to the following items:

- Phase I ($30,000.00)
  - Data compilation which would include:
    1. Consolidation and production of a complete property geologic map which incorporates recent updates from the YGS regional geology mapping of Mapsheet 105 H 09;
    2. Sourcing original assay certificates from historic property vendors and compiling all historic assay data into a centralized database;
  - Geologic modelling which would include:
    1. Refinement and expansion of the3-D model of the POW zone to generate a tool for visualizing and targeting favourable zones of geology, mineralization, alteration, and structure;
    2. 3-D inversion modelling of the complete total magnetic data set for the Justin and VF properties to delineate both magnetically high skarn zones and the magnetically low features associated with the Justin stock;
    3. Age dating of the Justin stock and molybdenum mineralization within sheeted veins at the POW zone.
  - Geochemical modelling which would include:
    1. Statistical analysis of complete geochemical data set;
    2. Modelling of trace element geochemistry across the property to determine primary versus secondary sources of metal ions;
    3. Generate a list of targets to prospect/investigate ranked by trace element geochemistry and underlying geology.
- Phase II ($200,000.00)
  - Property scale geologic mapping and prospecting with a focus on under explored areas of the property;
  - Trenching of high priority soil targets on JNL016 & JNL024 to determine the source of the gold anomalies;
  - Regional silt sampling/prospecting program outside of the Justin Property to explore for other IRGS;
  - Infill geochemical surveys and prospecting both east and northwest of the POW zone;
  - Infill geochemical surveys and prospecting north of the Big Swifty showing.
- Phase III ($1,500,000.00)
  - 2500 metres of diamond drilling which would include evaluating the following targets:
    1. Diamond drilling of high priority targets in the POW zone to define near surface Au-W mineralization;
    2. Diamond drilling targeting cupola zones of the Justin stock southeast and southwest of the POW zone;
    3. Diamond drilling prospective skarn horizons and structural zones northwest of the POW zone.

REFERENCES

Brownlee, D.J. and Allen, D.G., 1987: Geological and Diamond Drilling Report on the Sun Property, AR # 092148.

Colpron, M., 2008. Tectonic assemblages map of Yukon-Tanana and related terranes in Yukon and northern British Columbia (1:1,000,000 scale). Yukon Geological Survey, Open File 2006-1.

Colpron, M., 2011. Geological compilation of Whitehorse trough – Whitehorse (105D), Lake Laberge (105E), and part of Carmacks (115I), Glenlyon (105L), Aishihik Lake (115H), Quite Lake (105F), and Teslin (105C). Yukon Geological Survey, Geoscience Map 2011-1, 1:250,000 scale.

Colpron, M., 2014. Update of the Yukon Bedrock Geology Map (105H). Yukon Geological Survey, version 11/10/2014, 1:500,000 scale.

Gallagher, Chris and Downie, Charles, 2002. Geological Assessment Report for the SPROGGE (Justin) Property prepared for Eagle Plains Resources Ltd.

Gallagher, Chris. 1999. Regional transposition and large scale folding in the Dycer Creek area, Pelly Mountains, Yukon. Unpublished M.Sc. thesis, Carleton University, 179 pp.

Gordey, S.P. and Makepeace, A.J. 2001: Bedrock Geology, Yukon Territory. Geological Survey of Canada, Open File 3754. 1:1,000,000 scale; also Yukon Geological Survey, Open File 2001-1.

Hart, C, JR PhD. 2012: Geological Observations of the Justin POW zone, Yukon. MDRU – Mineral Deposit Research Unit. August 2012.

Higgs, A., 2009: 2008 Assessment Report on the Sprogge Project.

Higgs, A., 2011: 2010 Assessment Report on the SPROGGE (Justin) Property prepared for Eagle Plains Resources Ltd.

McClay, K., 1987: The Mapping of Geological Structures (Geological Society of London Handbook). John Wiley & Sons Ltd, Baffins Lane, Chichester, West Sussex, England, 1991.

McCuaig, M., 2012: Assessment Report on the Justin Property (Diamond Drilling, Geochemistry). Prepared for Aben Resources Ltd. January 2012.

McCuaig, M., 2013: Assessment Report on the Justin Property (Diamond Drilling, Geophysics, Geochemistry). Prepared for Aben Resources Ltd. January 2013.

Schulze, C. M., 1995: Sun Prospect, Prospecting and Rock Sampling Report, AR # 093495.

Schulze, C. M., 1996: Report on 1996 Exploration Program, Justin 1-25 (Sun) Claims; internal report prepared for Battle Mountain Canada Ltd. – Hemlo Gold Mines Inc.

Schulze, C. M., 1997: Justin Claims Progress Report; internal report prepared for Viceroy International Exploration.

Schulze, C. M. and Johnson, G., 2000: 1999 Geological and Geochemical Assessment Report on the Sprogge Property, AR# 094218.

Scott, E., 1999: 1998 Geological and Geochemical Assessment Report on the Sprogge Project, AR # 093959.

Department of Indian and Northern Affairs, 1995: Yukon MinFile, Frances Lake Area (Mapsheet 105 H).

Technical Report for the Justin Property Target Evaluation Program (YMEP Project 14-105) Yukon Territory

Volume II – Appendices

61º39'N, 128º6'W

NTS Mapsheet 105 H 09

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January 16th, 2015

Appendix I

YMEP Final Submission Form

YMEP FINAL SUBMISSION FORM

	Date submitted: January 16th, 2015

submit by January 31st to:	YMIP- EMR/ YTG	
	Street address: 102-300 Main Street	YMEP@gov.yk .ca
(winter placer projects may	Mailing address: Box 2703, K-102	phone: 867-456-3828
submit at pre-approved date)	Whitehorse, Yt, Y1A 2C6	fax: 867-667-3198

CONTACT INFO		***PROJECT INFO***	
Name:	Aben Resources Ltd.	YMEP no:	14-105
Address:	Suite 1610 - 777 Dunsmuir Street	Project name:	Justin
	Vancouver, BC, Canada V7Y 1K4	Project type:	Hard Rock
email	info@abenresources.com	Project module:	Target Evaluation
Phone:	604-687-3376		

Is the final report enclosed? ☑ yes ☐ no

☑ hard copy
☑ pdf copy
☑ digital spreadsheet of station location data

Comment:

PROJECT SUMMARY

Total project expenditures: $120,000 ($67,585.00 elegible expenses)

Number of new claims since March 31st: 0

Has an option resulted since March 31? ☐ yes ☑ no ☐ in negotiation

Number of calendar field days: 14

Number of person-days of employment: 52 paid 0 days of unpaid work

Total no. of samples: 84 rocks 4 silts 151 soils 230 Drill Core other

Total length/volume of trenching/ shafting: Trenching - 4 trenches - 41 linear metres - 28m3

Total number of line-km of geophysics 0

Total meters drilled 0 diamond drill 0 RC drill 0 auger/percussion drill

Other products (provide details):

FINANCIAL SUMMARY

This is not an expense claim form.To request reimbursement of expenses, please submit a separate detailed expense claim form.

Total daily field allowance	$5,200.00	Total contractor costs	
Total field air transportation costs (helicopter/plane)	$15,649.35	Total excavating/ heavy equipment costs	
Total truck/ mileage costs	$1,400.00	Total assay/analyses costs	$13,053.14
Total wages paid	$16,900.00	Total reclamation costs	$26.00
Total light equipment rental costs	$2,450.00	Total report writing cost	$6,758.50
Other (please specify)	Fuel ($3,431.98)	Total staking costs	0
Other (please specify)	Expediting ($1,260.00)		

 (see reverse)

Your feedback on any aspect of the program:

Overall great experience working with the YGS. The process was easy to follow and understand. Thanks again for the continued support on the Justin Project.

The Department of Energy, Mines and Resources may verify all statements related to and made on this form, in any previously submitted reports, interim claims and in the Summary or Technical Report which accompanies it.

I certify that;

1. I am the person, or the representative of the company or partnership, named in the Application for Funding and in the Contribution Agreement under the Yukon Mining Incentives Program.

2. I am a person who is nineteen years of age or older, and I have complied with all the requirements of the said program.

3. I hereby apply for the final payment of a contribution under the Yukon Mineral Exploration Program (YMEP) and declare the information contained within the Summary or Technical Report and this form to be true and accurate.

Date January 17th, 2015

Signature of Applicant Michael McCuaig

Digitally signed by Michael McCuaig
DN: cn=Michael McCuaig, o=TerraLogic Exploration Inc, ou, email=mam@terralogicexploration.com, c=CA
Date: 2015.01.17 12:37:13 -07'00'

Name (print) Michael McCuaig, P. Geo.

(see reverse)

Appendix II

Statement of Qualifications

STATEMENT OF QUALIFICATIONS

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

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

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

I have worked as a geologist for 8 years since my graduation from University.

I am currently a member in good standing with APEGBC, Registration Number 39402.

I managed, and participated in field work during the 2014 exploration program on the Justin Project.

The report is supported by geochemical data and samples collected during fieldwork on the Justin Property in the Watson Lake Mining District, during the months of July – August 2014.

I have authored the assessment report titled “Technical Report for the Justin Property Target Evaluation Program (YMEP Project 14-105)”, and dated January 16th, 2015 on behalf of Aben Resources Ltd.

Dated this 16th day of January 2015, in Cranbrook, British Columbia.

Michael McCuaig

Digitally signed by Michael McCuaig
DN: cn=Michael McCuaig, o=TerraLogic Exploration Inc, ou, email=mam@terralogicexploration.com, c=CA
Date: 2015.01.17 12:38:38 -07'00'

Michael A. McCuaig, P. Geo.

Appendix III

Geochemical Protocol

3.1 Handling and Sampling Protocol

All 2014 samples were collected by TerraLogic Exploration Inc employees. The sampling process is standardized and continually monitored for quality assurance and quality control. Four types of samples were collected during the program, these include: rock, silt, soil, and drill core samples. All samples are described in a field notebook in the field at the time of collection and also have a GPS location recorded at the site. Upon returning to the field office all of the sample metadata was input into a digital database. All of the 2014 samples from the Justin program were delivered directly to ALS Minerals at 78 Mt Sima Road, Whitehorse, YT for sample preparation. Subsequent analysis was completed by ALS Minerals at 2103 Dollarton Hwy, North Vancouver, BC.

Rock Samples

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

Soil Samples

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

Silt Samples

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

Drill Core Samples

Field crew members spent one field day at the Justin Base Camp retrieving bulk master pulp and pulp samples from 7 of 9 drill holes completed in the POW zone. The samples were transported in the original lab boxes from the Justin base camp to the ALS preparation lab in Whitehorse, and were under constant supervision during transport to prevent tampering or accidental damage. Once delivered to the lab the pulp samples were organized and re-pulverized by qualified ALS technicians. Upon completion of the sample preparation all of the pulp samples were shipped to ALS Minerals in North Vancouver for analysis. Upon completion of the analysis all samples were shipped back to Whitehorse and are currently stored in a locked container owned by TerraLogic Exploration Inc.

Sample Handling and Shipping Procedure

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

3.2 Analytic Procedures

All samples were submitted to ALS Minerals laboratory in Whitehorse, YT for preparation. The samples were subsequently shipped to ALS Minerals laboratory in North Vancouver for analysis. The following sample preparation and analytic techniques were used for all rock samples: PREP-31 – Rock and Drill Core Samples, ME-MS41, Au-AA23 30 g Fire Assay, Au-GRA21 30 g Fire Assay for all samples grading > 10 ppm Au in the Au-AA23 analysis, ME-OG46 for all samples > 10,000 ppm Zn, Zn-VOL50 for all samples > 300,000 ppm Zn, W-XRF05 for all samples > 200 ppm W in the ME-MS41 analysis and W-XRF10 for all samples > 5000 ppm W in the W-XRF05 analysis. The following sample preparation and analytic techniques were used for all soil and silt samples: PREP-41 Soil and Sediment Samples, ME-MS41, Au-ST43 and Au-AROR43 for all samples grading > 1 ppm Au in the Au-ST43 analysis. A detailed overview of sample preparation and analytic methods used for the 2014 samples is provided as follows.

Logging Samples Received as Pulps

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

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

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

SAMPLE PREPARATION PACKAGE

PREP- 31

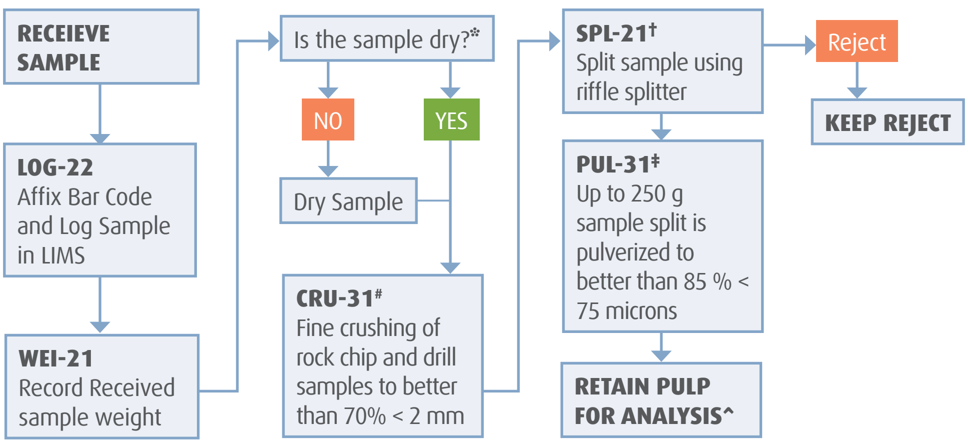
STANDARD SAMPLE PREPARATION: DRY, CRUSH, SPLIT AND PULVERIZE

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

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

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

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



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

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

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

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

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

SAMPLE PREPARATION PACKAGE

PREP- 41

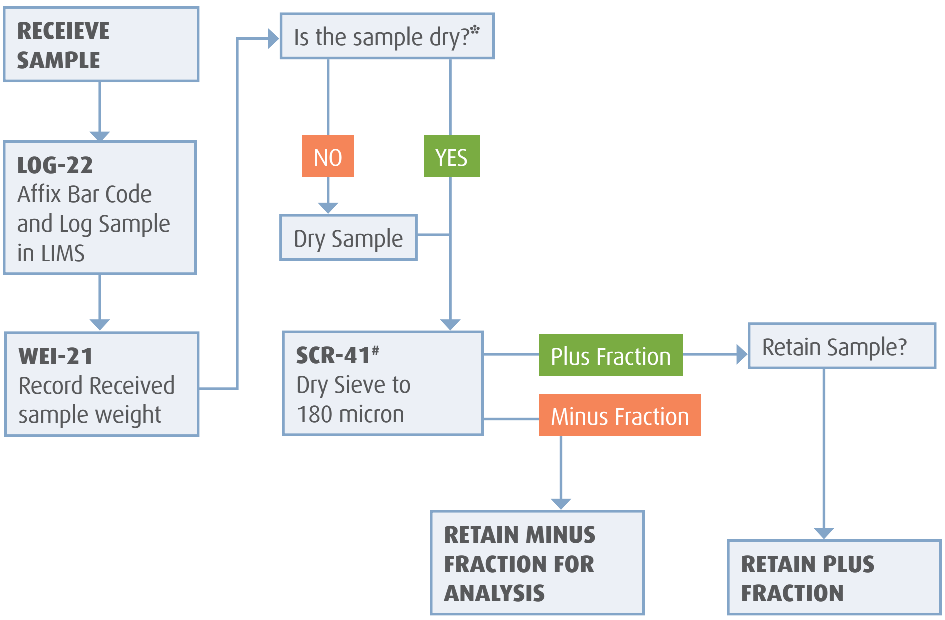
STANDARD PREPARATION: DRY SAMPLE AND DRY- SIEVE TO –180 MICRON

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

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

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

SAMPLE PREPARATION FLOWCHART PACKAGE –PREP- 41



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

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

†The plus fraction is retained unless disposal is requested.

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

Sample Decomposition:

Aqua Regia Digestion (GEO-AR01)

Analytical Method:

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

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

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

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

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

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

FIRE ASSAY PROCEDURE

Au-AA23 & Au-AA24

FIRE ASSAY FUSION, AAS FINISH

SAMPLE DECOMPOSITION

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

ANALYTICAL METHOD

Atomic Absorption Spectroscopy (AAS)

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

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

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

FIRE ASSAY PROCEDURE

Ag-GRA21, Ag-GRA22, Au-GRA21 and Au-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	ELEMENT	SYMBOL	UNITS	SAMPLE WEIGHT (G)	DETECTION LIMIT	UPPER LIMIT
Ag-GRA21	Silver	Ag	ppm	30	5	10,000
Ag-GRA22	Silver	Ag	ppm	50	5	10,000
Au-GRA21	Gold	Au	ppm	30	0.05	1,000
Au-GRA22	Gold	Au	ppm	50	0.05	1,000

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 analysed 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	30
Cadmium	Cd	%	0.001	10
Cobalt	Co	%	0.001	20
Copper	Cu	%	0.001	40
Iron	Fe	%	0.01	100
Manganese	Mn	%	0.01	50
Molybdenum	Mo	%	0.001	10
Nickel	Ni	%	0.001	10
Lead	Pb	%	0.001	20
Zinc	Zn	%	0.001	30

Zn-VOL50
Potentiometric Titration for Zn

Sample Decomposition:

HNO_3-HCl-H_2SO_4-HF

Analytical Method:

Potentiometric Titration

Sample is digested with HCl, HNO_3, H_2SO_4 and HF; followed by reduction and complexion of Fe. Interfering elements such as Cu, Bi, As, Sb is cemented with granular Pb and pyrophosphate is added to yield free Zn^{2+} ions. The Zinc ions are then titrated potentimetrically with Ferrocyanide solution.

Element	Symbol	Units	Detection Limit	Upper Limit
Zinc	Zn	%	0.01	100

ME-XRF05

Sample Decomposition:

Pressed Powder Pellet (XRF-PPP)

Analytical Method:

X-Ray Fluorescence Spectroscopy (XRF)

A finely ground sample powder (10 g minimum) is mixed with a few drops of liquid binder (Polyvinyl Alcohol) and then transferred into an aluminum cap. The sample is subsequently compressed under approximately 30 ton/in^2 in a pellet press. After pressing, the pellet is dried to remove the solvent and analyzed by WDXRF spectrometry for the following elements.

Element	Symbol	Units	Lower Limit	Upper Limit
Arsenic	As	ppm	5	5 000
Barium	Ba	ppm	10	10 000
Bismuth	Bi	ppm	4	10 000
Cerium	Ce	ppm	10	10 000
Chromium	Cr	ppm	5	10 000
Copper	Cu	ppm	10	10 000
Gallium	Ga	ppm	4	10 000
Lanthanum	La	ppm	10	10 000
Molybdenum	Mo	ppm	4	10 000
Niobium	Nb	ppm	2	10 000
Nickel	Ni	ppm	10	15 000
Lead	Pb	ppm	4	4 000
Rubidium	Rb	ppm	2	10 000
Antimony	Sb	ppm	4	10 000
Selenium	Se	ppm	2	10 000
Tin	Sn	ppm	5	10 000

ME-XRF10

Sample Decomposition:

50% $Li_2B_4O_7$ – 50% $LiBO_2$ (WEI-GRA06)

Analytical Method:

X-Ray Fluorescence Spectroscopy (XRF)

A calcined or ignited sample (0.9 g) is added to 9.0g of Lithium Borate Flux (50 % - 50 % $Li_2B_4O_7$ – $LiBO_2$), mixed well and fused in an auto fluxer between 1050 - 1100°C. A flat molten glass disc is prepared from the resulting melt. This disc is then analysed by X-ray fluorescence spectrometry.

Element	Symbol	Units	Lower Limit	Upper Limit
Barium	Ba	%	0.01	50
Niobium	Nb	%	0.01	10
Antimony	Sb	%	0.01	50
Tin	Sn	%	0.01	60
Tantalum	Ta	%	0.01	50
Thorium	Th	%	0.01	15
Uranium	U	%	0.01	15
Tungsten	W	%	0.01	50
Zirconium	Zr	%	0.01	50

Ore Grade Analysis by XRF

Elements listed below are available upon request

Element	Symbol	Units	Lower Limit	Upper Limit
Iron	Fe_2O_3	%	0.01	100
Potassium	K_2O	%	0.01	100
Magnesium	MgO	%	0.01	100
Sodium	Na_2O	%	0.01	100

Element	Symbol	Units	Lower Limit	Upper Limit
Strontium	Sr	ppm	2	10 000
Tantalum	Ta	ppm	10	10 000
Thorium	Th	ppm	4	10 000
Titanium	Ti	ppm	5	10 000
Uranium	U	ppm	4	10 000
Vanadium	V	ppm	10	10 000
Tungsten	W	ppm	10	10 000
Yttrium	Y	ppm	2	10 000
Zinc	Zn	ppm	10	10 000
Zirconium	Zr	ppm	2	10 000

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

Sample Decomposition:

Gold aqua regia digestion (GEO-AUAR01/02)

Analytical Method:

Inductively Couple Plasma – Mass Spectrometry (ICP-MS)

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

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

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

Au-AROR43/Au-AROR44
Determination of Gold by Aqua Regia Digestion - Over-Range Method

Analytical Method:

Inductively Coupled Plasma – Mass Spectrometry (ICP-MS)

A finely pulverised 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 ($AuTe_2$).

Gold is determined by ICPMS directly from the digestion liquor. This method allows for the simple and economical addition of extra elements by running the digestion liquor through the ICPMS.

This method is only an over-limit method which is used to analyze the same solution prepared from the Trace Level Au by aqua regia extraction method (25-50g).

Method	Element	Sample Mass	Units	Lower Limit	Upper Limit
Au-AROR43	Gold	25 g	ppm	0.01	100
Au-AROR44	Gold	50 g	ppm	0.01	100

3.3 Software

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

- Arc GIS 9.3
- Microsoft Access
- Pendragon Forms
- Apache Open Office
- IoGas
- Adobe Acrobat 10

Appendix IV

Sample Locations & Sample Description Data

Appendix 4.1
Rock Sample Locations and Descriptions

Thursday, January 15, 2015

Sample Number	Date	Type	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Channel Length (m)	Channel Azimuth	Major Rock Type	Minor Rock Type	Colour	Grain Size	Description
JBJNR001	7/24/2014	talus	assay	GPS		547049	6839525				shale	skarn			goeth&lim - dk grey fissile, hrd, heavy stnd slt/mudstn w 8/m qtz vnlts w cetral chl-py ff
JBJNR002	7/24/2014	float	assay	GPS		546718	6839825				siltstone				lt grn gry , hrd massiv, fn grnd sil limey sltstn, w h density 40/m sheeted wht qtz vnlts. No vis sulph
JBJNR003	7/24/2014	grab	assay	GPS		546724	6839612				quartz pebble conglomerate	quartzite			high angle sheeted veins w trace lim pockets
JBJNR004	7/25/2014	grab	assay	GPS		546552	6839200				quartz pebble conglomerate	hornfels			qtz vnlet with feld margins w trc ds py+-bi on vert ne orint. Vn is 10% of samp w 90% qpc
JBJNR005	7/25/2014	subcrop	assay	GPS		546527	6839159				siltstone	quartz pebble conglomerate			strn hornflsed siltstone w min calc-sil in contact w bull qtz vein
JBJNR006	7/25/2014	subcrop	assay	GPS		546377	6839116				quartz pebble conglomerate	quartz		coarse	lim stnd 75% silica replaced siltstone w 10% vugs of etched qtz& sulph. Remnant bangs of semimass py.
JBJNR007	7/25/2014	grab	assay	GPS		546377	6839116				quartz pebble conglomerate	quartz		coarse	yl-wt mottld & bndd QPC w intns shtd veinlets of etched vuggy qtz. Mod-intense lim+clay alt. Check 4 W
JBJNR008	7/25/2014	grab	assay	GPS		546235	6839196				quartz pebble conglomerate	quartz			20+ cm frost heaved wht qtz vein w 5% earthy punky hem pockts and abundant ff-lim; is part of n-trending shear
JBJNR009	7/25/2014	float	assay	GPS		546148	6839182				quartz				lim stn 20+cm qtz vein float; has punky grey sooty 5mm pockets cut by later lim-stained ethed cavities
JBJNR010	7/25/2014	grab	assay	GPS		546127	6839173				phyllite	quartz			white and grey 3cm qtz vein in phyllite
JBJNR011	7/25/2014	float	assay	GPS		546009	6839357				phyllite	quartz			>15cm qtz vein w chl-filled vugs; hosted in phyllite
JBJNR012	7/25/2014	grab	assay	GPS		546910	6835118				grit	argillite			strong cb+ank alt; swarms of sub vert nw tren qtz-cb-chl-lim vns w sub-britt tension gas vens@30o. Grab of typical 15cm wide vn
JBJNR013	7/25/2014	grab	assay	GPS		546951	6835119				grit	argillite			30 cm qtz vn sill hosted in chl-altrd grit. Epd-chl-lim pockets to 10%
JBJNR014	7/25/2014	grab	assay	GPS		547038	6835092				grit	argillite			nw trnding sheeted qtz vns (20/m)w punky lim/ank after sulph in ser cb-chl altrd grit
JBJNR015	7/25/2014	grab	assay	GPS		547164	6835074				carbonatite				fn grnd dk grey marginal to QFP dyke. Trc gal-cpy-py w wht calc vnlts

Sample Number	Date	Type	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Channel Length (m)	Channel Azimuth	Major Rock Type	Minor Rock Type	Colour	Grain Size	Description
JBJNR016	7/29/2014	grab	assay	GPS		547396	6834996				grit	argillite			5cm qtz-chl-arg w pockets lim hosted in grit; @az 106 = oc pannel
JBJNR017	7/29/2014	grab	assay	GPS		547629	6834152				grit	argillite			ne trnding sheeted vns; qtz vn is 30% of samp; rest is altered grit
JBJNR018	7/29/2014	grab	assay	GPS		547643	6834155				quartz feldspar porphyry	carbothermal vein			dk grey cb vein w qtz eys hosts qtz-cb-ank vns
JBJNR019	7/29/2014	grab	assay	GPS		548255	6834392				quartz pebble conglomerate	cataclasite			white clasts in dk grey matrix= crush breccia. Dk brn-red weathering. Minor qtz stringers on 2+ orientations w trc py
JKJNR014	7/24/2014	float	assay	GPS	1401	545364	6840717				Quartz			fine-medium	disemminated pyrite in vein and along fractures, calcareous, qtz has grey/blue tint from very fine pyrite?
MMJNR043	7/23/2014	channel	assay	GPS	1440	546716	6839227		1	95	granodiorite		dark brown (reddish)	medium-fine	0.0-1.0 m.
MMJNR044	7/23/2014	channel	assay	GPS	1440	546716	6839227		1	95	granodiorite		dark brown (reddish)	medium-fine	1.0-2.0 m.
MMJNR045	7/23/2014	channel	assay	GPS	1440	546716	6839227		1	95	granodiorite		dark brown (reddish)	medium-fine	2.0-3.0 m.
MMJNR046	7/23/2014	chip	assay	GPS	1440	546716	6839227		0.6	95	granodiorite		dark brown (reddish)	medium-fine	3.0-3.6 m.
MMJNR047	7/23/2014	channel	assay	GPS	1440	546716	6839227		0.5	95	granodiorite		dark brown (reddish)	medium-fine	3.6-4.1 m.
MMJNR048	7/23/2014	qaqc	assay	GPS	1440	546716	6839227				granodiorite		dark brown (reddish)	medium-fine	Blank
MMJNR049	7/23/2014	qaqc	assay	GPS	1440	546716	6839227				granodiorite		dark brown (reddish)	medium-fine	Standard PM447.
MMJNR050	7/23/2014	channel	assay	GPS	1440	546716	6839227		1	95	granodiorite		dark brown (reddish)	medium-fine	4.1-5.1 m.
MMJNR051	7/23/2014	channel	assay	GPS	1440	546716	6839227		1.1	95	granodiorite		dark brown (reddish)	medium-fine	5.1-6.2 m.
MMJNR052	7/23/2014	chip	assay	GPS	1440	546716	6839227		0.5	95	granodiorite		dark brown (reddish)	medium-fine	6.2-6.7 m.
MMJNR053	7/23/2014	channel	assay	GPS	1440	546716	6839227		0.3	95	granodiorite		dark brown (reddish)	medium-fine	6.7-7.0 m.

Sample Number	Date	Type	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Channel Length (m)	Channel Azimuth	Major Rock Type	Minor Rock Type	Colour	Grain Size	Description
MMJNR054	7/23/2014	channel	assay	GPS	1440	546716	6839227		1	75	granodiorite		dark brown (reddish)	medium-fine	Part four of trench segment 0.0-1.0 m.
MMJNR055	7/23/2014	channel	assay	GPS	1440	546716	6839227		0.5	75	granodiorite		dark brown (reddish)	medium-fine	1.0-1.5 m.
MMJNR056	7/23/2014	channel	assay	GPS	1440	546716	6839227		1	55	granodiorite		dark brown (reddish)	medium-fine	1.5-2.5 m.
MMJNR057	7/23/2014	channel	assay	GPS	1440	546716	6839227		0.5	70	granodiorite		dark brown (reddish)	medium-fine	2.5-3.0 m.
MMJNR058	7/23/2014	channel	assay	GPS	1440	546716	6839227		0.8	50	granodiorite		dark brown (reddish)	medium-fine	3.0-3.8 m.
MMJNR059	7/23/2014	channel	assay	GPS	1440	546716	6839227		0.9	80	granodiorite		dark brown (reddish)	medium-fine	3.8-4.7 m.
MMJNR060	7/23/2014	channel	assay	GPS	1440	546716	6839227		0.6	60	granodiorite		dark brown (reddish)	medium-fine	4.7-5.3 m. End of TR14-001.
MMJNR061	7/25/2014	channel	assay	GPS	1447	546735	6839239		1	130	granodiorite		bright orange	medium-coarse	0.0-1.0 m.
MMJNR062	7/25/2014	channel	assay	GPS	1447	546735	6839239		0.5	130	granodiorite		bright orange	medium-coarse	1.0-1.5 m.
MMJNR063	7/25/2014	channel	assay	GPS	1447	546735	6839239		0.5	130	granodiorite		bright orange	medium-coarse	1.5-2.0 m.
MMJNR064	7/25/2014	channel	assay	GPS	1447	546735	6839239		0.5	130	granodiorite		bright orange	medium-coarse	2.0-2.5 m. Sample rake -20 degrees.
MMJNR065	7/25/2014	qaqc	assay	GPS	1447	546735	6839239				granodiorite		bright orange	medium-coarse	Blank.
MMJNR066	7/25/2014	qaqc	assay	GPS	1447	546735	6839239				granodiorite		bright orange	medium-coarse	Standard PM.
MMJNR067	7/25/2014	channel	assay	GPS	1447	546735	6839239		0.5	130	granodiorite		bright orange	medium-coarse	2.5-3.0 m.
MMJNR068	7/25/2014	channel	assay	GPS	1447	546735	6839239		1	130	granodiorite		bright orange	medium-coarse	3.0-4.0 m.
MMJNR069	7/25/2014	channel	assay	GPS	1447	546735	6839239		1	130	granodiorite		bright orange	medium-coarse	4.0-5.0 m.
MMJNR070	7/25/2014	channel	assay	GPS	1447	546735	6839239		1	130	granodiorite		bright orange	medium-coarse	5.0-6.0 m.
MMJNR071	7/25/2014	channel	assay	GPS	1447	546735	6839239		1	130	granodiorite		bright orange	medium-coarse	6.0-7.0 m.
MMJNR072	7/25/2014	channel	assay	GPS	1447	546735	6839239		1	130	granodiorite		bright orange	medium-coarse	7.0-8.0 m.

Sample Number	Date	Type	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Channel Length (m)	Channel Azimuth	Major Rock Type	Minor Rock Type	Colour	Grain Size	Description
MMJNR073	7/25/2014	channel	assay	GPS	1447	546735	6839239		1	130	granodiorite		bright orange	medium-coarse	8.0-9.0 m.
MMJNR074	7/25/2014	channel	assay	GPS	1447	546735	6839239		1	130	granodiorite		bright orange	medium-coarse	9.0-10.0 m.
MMJNR075	7/25/2014	channel	assay	GPS	1447	546735	6839239		1	130	granodiorite		bright orange	medium-coarse	10.0-11.0 m.
MMJNR076	7/25/2014	channel	assay	GPS	1436	546648	6839490		1	60	calcareous chert	skarn	pale yellow (orangish)	medium-coarse	0.0-1.0 m.
MMJNR077	7/25/2014	channel	assay	GPS	1436	546648	6839490		1	60	calcareous chert	skarn	pale yellow (orangish)	medium-coarse	1.0-2.0 m.
MMJNR078	7/25/2014	channel	assay	GPS	1436	546648	6839490		1	60	calcareous chert	skarn	pale yellow (orangish)	medium-coarse	2.0-3.0 m.
MMJNR079	7/25/2014	channel	assay	GPS	1436	546648	6839490		1	60	calcareous chert	skarn	pale yellow (orangish)	medium-coarse	3.0-4.0 m.
MMJNR080	7/25/2014	channel	assay	GPS	1436	546648	6839490		1	60	calcareous chert	skarn	pale yellow (orangish)	medium-coarse	4.0-5.0 m.
MMJNR081	7/25/2014	qaqc	assay	GPS	1436	546648	6839490				calcareous chert	skarn	pale yellow (orangish)	medium-coarse	Blank
MMJNR082	7/25/2014	qaqc	assay	GPS	1436	546648	6839490				calcareous chert	skarn	pale yellow (orangish)	medium-coarse	Standard PM
MMJNR083	7/25/2014	channel	assay	GPS	1436	546648	6839490		1	60	calcareous chert	skarn	pale yellow (orangish)	medium-coarse	5.0-6.0 m.
MMJNR084	7/25/2014	channel	assay	GPS	1436	546648	6839490		1.2	60	calcareous chert	skarn	pale yellow (orangish)	medium-coarse	6.0-7.2 m.
MMJNR085	7/25/2014	channel	assay	GPS	1436	546648	6839490		0.3	60	calcareous chert	skarn	pale yellow (orangish)	medium-coarse	7.2-7.7 m.
MMJNR086	7/25/2014	channel	assay	GPS	1436	546648	6839490		0.5	60	calcareous chert	skarn	pale yellow (orangish)	medium-coarse	7.5-8.0 m.
MMJNR087	7/25/2014	channel	assay	GPS	1436	546648	6839490		1	60	calcareous chert	skarn	pale yellow (orangish)	medium-coarse	8.0-9.0 m.
MMJNR088	7/25/2014	channel	assay	GPS	1436	546648	6839490		0.8	60	calcareous chert	skarn	pale yellow (orangish)	medium-coarse	9.0-9.8 m.

Sample Number	Date	Type	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Channel Length (m)	Channel Azimuth	Major Rock Type	Minor Rock Type	Colour	Grain Size	Description
MMJNR089	7/25/2014	channel	assay	GPS	1436	546648	6839490		0.5	60	calcareous chert	skarn	pale yellow (orangish)	medium-coarse	9.8-10.3.
MMJNR090	7/25/2014	channel	assay	GPS	1436	546648	6839490		0.7	60	calcareous chert	skarn	pale yellow (orangish)	medium-coarse	10.3-11.0 m.
MMJNR091	7/25/2014	channel	assay	GPS	1436	546648	6839490		1.3	60	calcareous chert	skarn	pale yellow (orangish)	medium-coarse	11.0-12.3 m.
MMJNR092	7/27/2014	channel	assay	GPS	1426	546652	6839477		0.75	80	skarn		brilliant orange	medium-fine	0.25-1.00 m.
MMJNR093	7/27/2014	channel	assay	GPS	1426	546652	6839477		1	80	skarn		brilliant orange	medium-fine	1.0-2.0 m.
MMJNR094	7/27/2014	channel	assay	GPS	1426	546652	6839477		1	80	skarn		brilliant orange	medium-fine	2.0-3.0 m.
MMJNR095	7/27/2014	channel	assay	GPS	1426	546652	6839477		0.5	80	skarn		brilliant orange	medium-fine	3.0-3.5 m.
MMJNR096	7/27/2014	channel	assay	GPS	1426	546652	6839477		0.5	80	skarn		brilliant orange	medium-fine	3.5-4.0 m.
MMJNR097	7/27/2014	channel	assay	GPS	1426	546652	6839477		0.5	80	skarn		brilliant orange	medium-fine	4.0-4.5 m.
MMJNR098	7/27/2014	channel	assay	GPS	1426	546652	6839477		1	80	skarn		brilliant orange	medium-fine	4.5-5.5 m.
MMJNR099	7/27/2014	channel	assay	GPS	1426	546652	6839477		0.6	80	skarn		brilliant orange	medium-fine	5.5-6.1 m.
MMJNR100	7/27/2014	channel	assay	GPS	1426	546652	6839477		0.7	80	skarn		brilliant orange	medium-fine	6.1-6.8 m.
MMJNR101	7/27/2014	channel	assay	GPS	1426	546652	6839477		0.6	80	skarn		brilliant orange	medium-fine	6.8-7.4 m.
MMJNR102	7/27/2014	qaqc	assay	GPS	1426	546652	6839477				skarn		brilliant orange	medium-fine	Blank
MMJNR103	7/27/2014	qaqc	assay	GPS	1426	546652	6839477				skarn		brilliant orange	medium-fine	Standard
MMJNR104	7/27/2014	channel	assay	GPS	1426	546652	6839477		1.3	80	skarn		brilliant orange	medium-fine	7.4-8.7 m.
MMJNR105	7/27/2014	channel	assay	GPS	1426	546652	6839477		0.8	80	skarn		brilliant orange	medium-fine	8.7-9.5 m.
MMJNR106	7/27/2014	channel	assay	GPS	1426	546652	6839477		1	80	skarn		brilliant orange	medium-fine	9.5-10.5 m.
MMJNR107	7/27/2014	channel	assay	GPS	1426	546652	6839477		1	80	skarn		brilliant orange	medium-fine	10.5-11.5 m.
MMJNR108	7/27/2014	channel	assay	GPS	1426	546652	6839477		1	80	skarn		brilliant orange	medium-fine	11.5-12.5 m.

Sample Number	Date	Type	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Channel Length (m)	Channel Azimuth	Major Rock Type	Minor Rock Type	Colour	Grain Size	Description
MMJNR109	7/27/2014	channel	assay	GPS	1426	546652	6839477		0.9	80	skarn		brilliant orange	medium-fine	12.5-13.4 m.
MMJNR110	7/28/2014	grab	assay	GPS	1593	547943	6834763				quartz feldspar pebble conglom		deep orange	medium-coarse	Check Sample
MMJNR111	8/1/2014	grab	assay	GPS	1791	548141	6835353		1	15	quartz pebble conglomerate	quartz grit	brilliant orange	medium-coarse	Chip sample of quartz vein.
MMJNR112	8/1/2014	grab	assay	GPS	1722	548579	6835584				phyllite		brilliant orange		Silica altered phyllite/limestone? Contact between the two units.
MMJNR113	8/1/2014	talus	assay	GPS	1787	548575	6835486				limestone	chert	milky	medium-fine	Talus from fault zone.
MMJNR114	8/1/2014	grab	assay	GPS	1877	548022	6835451				quartz grit	phyllite	light grey (purplish)	medium-fine	To verify aspy mineralization.

Appendix 4.2
Silt Sample Locations and Descriptions

Sample Number	Sampler	Date	Type	Purpose	Location Method	Elevation (m)	Easting	Northing	UTM Zone	Accuracy	Depth	Size	Quality	Turbidity	Description
JBJNS001	JB	7/24/2014	silt	assay	GPS		547221	6839502	09N	8	5	5	5	0	high energy ck; 1m wide
JBJNS002	JB	7/24/2014	silt	assay	GPS		547140	6839644	09N	8	5	5	4	0	high energy ck; 1.5m wide
JBJNS003	JB	7/25/2014	silt	assay	GPS		546019	6839146	09N	8	7	5	4		mod-high energy ck; 2m wide
JBJNS004	JB	7/25/2014	silt	assay	GPS		546033	6839370	09N	8	7	5	4		high energy ck; 2m wide

Appendix 4.3
Soil Sample Locations and Descriptions

Sample Number	Date	Time	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Colour	Slope	Depth (cm)	Soil Horizon	Quality	Notes
JBJND001	7/24/2014		check	GPS		547049	6839525			0 - 20	10	B	5	see JBJNR001
JBJND002	7/24/2014		check	GPS		547198	6839511			0 - 20	10	B	5	west side of ck
JBJND003	7/24/2014		check	GPS		547229	6839514			0 - 20	10	B	5	east side of ck
JBJND004	7/24/2014		check	GPS		547216	6839562			0 - 20	15	B	5	east side of ck
JBJND005	7/24/2014		check	GPS		547175	6839580			0 - 20		B	4	west side of ck
JKJND001	7/30/2014		assay	GPS		548250	6835067			20-40	25	B	5	
JKJND002	7/30/2014		assay	GPS		548212	6835047			20-40	25	B	5	
JKJND003	7/30/2014		assay	GPS		548147	6835028			20-40	25	B	5	
JNL023 00+00	7/23/2014		assay	GPS		546528	6840519		greyish brown	20-40	25	B	4	line start
JNL023 00+50W	7/23/2014		assay	GPS		546477.75	6840519.4		greyish brown	20-40	15	B	5	
JNL023 01+00W	7/23/2014		assay	GPS		546427.5	6840519.8		greyish brown	20-40	25	B	4	organic
JNL023 01+50W	7/23/2014		assay	GPS		546377.25	6840520.1		greyish brown	20-40	25	B	4	rocky
JNL023 02+00W	7/23/2014		assay	GPS		546327	6840520.5		greyish brown	20-40	25	B	5	
JNL023 02+50W	7/23/2014		assay	GPS		546276.75	6840520.9		greyish brown	20-40	15	B	4	rocky
JNL023 03+00W	7/23/2014		assay	GPS		546226.5	6840521.3		light grayish brown (reddish)	20-40	25	B	4	rocky
JNL023 03+50W	7/23/2014		assay	GPS		546176.25	6840521.6		light brown	20-40	25	C	4	rocky
JNL023 04+00W	7/23/2014		assay	GPS		546126	6840522		greyish brown	20-40	25	B	4	talus
JNL023 04+50W	7/23/2014		assay	GPS		546076.75	6840519		dark brown	20-40	15	B	4	organic
JNL023 05+00W	7/23/2014		assay	no sample		546027.5	6840516							talus
JNL023 05+50W	7/23/2014		assay	GPS		545978.25	6840513		pale brown (reddish)	20-40	25	B	4	organic

Sample Number	Date	Time	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Colour	Slope	Depth (cm)	Soil Horizon	Quality	Notes
JNL023 06+00W	7/23/2014		assay	GPS		545929	6840510		greyish green	20-40	25	B	5	
JNL023 06+50W	7/23/2014		assay	GPS		545879.75	6840507		light grayish brown (reddish)	20-40	25	B	5	rocky
JNL023 07+00W	7/23/2014		assay	GPS		545830.5	6840504		light grayish brown (reddish)	0-20	25	B	5	
JNL023 07+50W	7/23/2014		assay	GPS		545781.25	6840501		greyish brown	0-20	25	B	5	rocky
JNL023 08+00W	7/23/2014		assay	GPS		545732	6840498		light grayish brown (reddish)	0-20	25	B	5	organic
JNL023 08+50W	7/23/2014		assay	GPS		545681.58	6840498.3		light grayish brown (reddish)	0-20	15	B	4	rocky
JNL023 09+00W	7/23/2014		assay	GPS		545631.17	6840498.7		light grayish brown (reddish)	0-20	15	B	5	
JNL023 09+50W	7/23/2014		assay	GPS		545580.75	6840499		light grayish brown (reddish)	0-20	25	B	5	
JNL023 10+00W	7/23/2014		assay	GPS		545530.33	6840499.3		light brown	0-20	15	B	5	
JNL023 10+50W	7/23/2014		assay	GPS		545479.92	6840499.7		light grayish brown (reddish)	0-20	15	B	5	rocky
JNL023 11+00W	7/23/2014		assay	GPS		545429.5	6840500		greyish brown	0-20	15	B	5	
JNL023 11+50W	7/23/2014		assay	GPS		545379.08	6840500.3		greyish brown	0-20	15	B	5	
JNL023 12+00W	7/23/2014		assay	GPS		545328.67	6840500.7		light grayish brown (reddish)	0-20	25	B	5	
JNL023 12+50W	7/23/2014		assay	GPS		545278.25	6840501		greyish brown	0-20	25	B	5	rocky
JNL023 13+00W	7/23/2014		assay	GPS		545227.83	6840501.3		greyish brown	0-20	25	B	5	
JNL023 13+50W	7/23/2014		assay	GPS		545177.42	6840501.7		greyish brown	0-20	15	B	5	
JNL023 14+00W	7/23/2014		assay	GPS		545127	6840502		greyish brown	0-20	15	B	5	line end
JNL024 00+00	7/24/2014		assay	GPS		546162	6840709		greyish brown	20-40	25	B	4	line start

Sample Number	Date	Time	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Colour	Slope	Depth (cm)	Soil Horizon	Quality	Notes
JNL024 00+50W	7/24/2014		assay	map		546111.88	6840707.5		light grayish brown (reddish)	20-40	15	B	4	rocky
JNL024 01+00W	7/24/2014		assay	map		546061.75	6840706		dark grayish brown (yellowish)	20-40	25	B	4	rocky
JNL024 01+50W	7/24/2014		assay	map		546011.63	6840704.5		light grayish brown (reddish)	20-40	15	B	4	rocky
JNL024 02+00W	7/24/2014		assay	map		545961.5	6840703		dark greyish brown	20-40	25	B	4	organic
JNL024 02+50W	7/24/2014		assay	map		545911.38	6840701.5		light grayish brown (reddish)	20-40	25	B	4	organic
JNL024 03+00W	7/24/2014		assay	map		545861.25	6840700		light grayish brown (reddish)	20-40	25	B	4	rocky
JNL024 03+50W	7/24/2014		assay	map		545811.13	6840698.5		blackish black	20-40	25	B	5	
JNL024 04+00W	7/24/2014		assay	GPS		545761	6840697		greyish brown	20-40	25	B	5	
JNL024 04+50W	7/24/2014		assay	map		545710.88	6840696.6		greyish brown	20-40	25	B	4	rocky
JNL024 05+00W	7/24/2014		assay	map		545660.75	6840696.3		blackish black	20-40	25	B	2	organic
JNL024 05+50W	7/24/2014		assay	map		545610.63	6840695.9		greyish brown	20-40	25	B	4	organic
JNL024 06+00W	7/24/2014		assay	map		545560.5	6840695.5		greyish brown	20-40	25	B	5	
JNL024 06+50W	7/24/2014		assay	map		545510.38	6840695.1		greyish brown	0-20	25	B	5	
JNL024 07+00W	7/24/2014		assay	map		545460.25	6840694.8		greyish brown	0-20	15	B	5	
JNL024 07+50W	7/24/2014		assay	map		545410.13	6840694.4		moderate grey	0-20	15	B	5	rocky
JNL024 08+00W	7/24/2014		assay	GPS		545360	6840694		moderate grey	0-20	25	B	4	
JNL024 08+50W	7/24/2014		assay	map		545309.92	6840694.3		greyish brown	0-20	15	B	5	rocky
JNL024 09+00W	7/24/2014		assay	map		545259.83	6840694.5		greyish brown	0-20	15	B	5	rocky

Sample Number	Date	Time	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Colour	Slope	Depth (cm)	Soil Horizon	Quality	Notes
JNL024 09+50W	7/24/2014		assay	map		545209.75	6840694.8		greyish brown	0-20	15	B	5	
JNL024 10+00W	7/24/2014		assay	map		545159.67	6840695		greyish brown	0-20	15	B	4	
JNL024 10+50W	7/24/2014		assay	map		545109.58	6840695.3		greyish brown	0-20	25	B	5	
JNL024 11+00W	7/24/2014		assay	map		545059.5	6840695.5		greyish brown	20-40	25	B	5	rocky
JNL024 11+50W	7/24/2014		assay	map		545009.42	6840695.8		greyish brown	20-40	25	B	5	rocky
JNL024 12+00W	7/24/2014		assay	map		544959.33	6840696		greyish brown	20-40	25	B	4	rocky
JNL024 12+50W	7/24/2014		assay	map		544909.25	6840696.3		greyish brown	20-40	25	B	5	
JNL024 13+00W	7/24/2014		assay	map		544859.17	6840696.5		dark grayish brown (yellowish)	0-20	25	B	5	
JNL024 13+50W	7/24/2014		assay	map		544809.08	6840696.8		greyish brown	0-20	25	B	4	rocky
JNL024 14+00W	7/24/2014		assay	GPS		544759	6840697		greyish brown	0-20	25	B	5	line end
JNL025 00+00	7/25/2014		assay	map		546127	6840922		light grayish brown (reddish)	20-40	15	B	5	line start
JNL025 00+50W	7/25/2014		assay	map		546076.88	6840923		light grayish brown (reddish)	20-40	15	B	5	
JNL025 01+00W	7/25/2014		assay	map		546026.75	6840924		light grayish brown (reddish)	20-40	15	B	5	
JNL025 01+50W	7/25/2014		assay	map		545976.63	6840925		light grayish brown (reddish)	20-40	15	B	4	rocky
JNL025 02+00W	7/25/2014		assay	map		545926.5	6840926		light grayish brown (reddish)	20-40	15	B	5	rocky
JNL025 02+50W	7/25/2014		assay	map		545876.38	6840927		dark grey	20-40	15	B	5	
JNL025 03+00W	7/25/2014		assay	map		545826.25	6840928		light grayish brown (reddish)	0-20	25	B	5	
JNL025 03+50W	7/25/2014		assay	map		545776.13	6840929		light grayish brown (reddish)	0-20	25	B	5	rocky

Sample Number	Date	Time	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Colour	Slope	Depth (cm)	Soil Horizon	Quality	Notes
JNL025 04+00W	7/25/2014		assay	GPS		545726	6840930		dark grey	0-20	25	B	5	
JNL025 04+50W	7/25/2014		assay	map		545675.25	6840929		light grayish brown (reddish)	0-20	25	B	4	organic
JNL025 05+00W	7/25/2014		assay	map		545624.5	6840928		greyish brown	20-40	25	B	5	rocky
JNL025 05+50W	7/25/2014		assay	map		545573.75	6840927		greyish brown	20-40	35	B	4	rocky
JNL025 06+00W	7/25/2014		assay	map		545523	6840926		light grayish brown (reddish)	20-40	35	B	4	rocky
JNL025 06+50W	7/25/2014		assay	map		545472.25	6840925		light grayish brown (reddish)	20-40	35	B	4	rocky
JNL025 07+00W	7/25/2014		assay	map		545421.5	6840924		greyish brown	20-40	15	B	5	
JNL025 07+50W	7/25/2014		assay	map		545370.75	6840923		greyish brown	0-20	35	B	4	rocky
JNL025 08+00W	7/25/2014		assay	GPS		545320	6840922		moderate brown	0-20	15	B	4	organic
JNL025 08+50W	7/25/2014		assay	map		545270.46	6840919.8		greyish brown	0-20	25	B	4	organic
JNL025 09+00W	7/25/2014		assay	map		545220.92	6840917.5		light grayish brown (reddish)	0-20	25	B	3	organic
JNL025 09+50W	7/25/2014		assay	map		545171.38	6840915.3		greyish brown	0-20	25	B	4	rocky
JNL025 10+00W	7/25/2014		assay	map		545121.85	6840913.1		light brown	0-20	25	B	5	
JNL025 10+50W	7/25/2014		assay	map		545072.31	6840910.9		light brown	0-20	25	B	5	
JNL025 11+00W	7/25/2014		assay	map		545022.77	6840908.6		light grayish brown (reddish)	0-20	15	B	4	rocky
JNL025 11+50W	7/25/2014		assay	map		544973.23	6840906.4		light brown	0-20	15	B	5	rocky
JNL025 12+00W	7/25/2014		assay	map		544923.69	6840904.2		strong brown	0-20	15	B	5	rocky
JNL025 12+50W	7/25/2014		assay	map		544874.15	6840901.9		light grayish brown (reddish)	0-20	15	B	5	

Sample Number	Date	Time	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Colour	Slope	Depth (cm)	Soil Horizon	Quality	Notes
JNL025 13+00W	7/25/2014		assay	map		544824.62	6840899.7		light grayish brown (reddish)	0-20	25	B	5	
JNL025 13+50W	7/25/2014		assay	map		544775.08	6840897.5		light grayish brown (reddish)	0-20	25	B	5	
JNL025 14+00W	7/25/2014		assay	map		544725.54	6840895.2		light grayish brown (reddish)	0-20	25	B	5	
JNL025 14+50W	7/25/2014		assay	GPS		544676	6840893		light grayish brown (reddish)	20-40	25	B	5	line end
JNL026 00+50E	7/30/2014		assay	map		547656.03	6835140.7		greyish brown	20-40	15	B	5	
JNL026 01+00E	7/30/2014		assay	map		547710.06	6835164.5		greyish brown	20-40	45	B	5	
JNL026 01+50E	7/30/2014		assay	map		547764.1	6835188.2		greyish brown	20-40	15	B	5	
JNL026 02+00E	7/30/2014		assay	map		547818.19	6835211.8		greyish brown	20-40	15	B	5	
JNL026 02+50E	7/30/2014		assay	map		547872.3	6835235.4		greyish brown	20-40	15	B	5	
JNL026 03+00E	7/30/2014		assay	map		547926.04	6835259.8		greyish brown	20-40	25	B	5	
JNL026 03+50E	7/30/2014		assay	map		547980.13	6835283.2		light grayish brown (reddish)	20-40	15	B	5	
JNL026 04+50E	7/30/2014		assay	map		548086.59	6835310.6		greyish brown	20-40	25	B	5	
JNL026 06+50E	7/30/2014		assay	map		548285.31	6835355.5		light grayish brown (reddish)	20-40	25	B	5	
JNL026 08+50E	7/30/2014		assay	map		548482.07	6835408		greyish brown	20-40	15	B	5	
JNL026 09+50E	7/30/2014		assay	map		548581.7	6835429		greyish brown	20-40	25	B	5	
JNL027 00+50W	7/30/2014		assay	map		548368.15	6835262.5		greyish brown	20-40	25	B	4	
JNL027 01+00W	7/30/2014		assay	map		548318.39	6835250.7		greyish brown	20-40	25	B	3	
JNL027 01+50W	7/30/2014		assay	map		548271.83	6835229.4		greyish brown	20-40	35	B	2	
JNL027 02+00W	7/30/2014		assay	map		548224.44	6835210.3		greyish brown	20-40	35	B	3	
JNL027 02+50W	7/30/2014		assay	map		548176.37	6835192.7		greyish brown	20-40	35	B	3	
JNL027 03+00W	7/30/2014		assay	map		548129.32	6835172.7		greyish brown	20-40	35	B	3	

Sample Number	Date	Time	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Colour	Slope	Depth (cm)	Soil Horizon	Quality	Notes
JNL027 03+50W	7/30/2014		assay	map		548082.41	6835152.2		greyish brown	20-40	35	B	3	
JNL027 04+00W	7/30/2014		assay	GPS		548035	6835133		greyish brown	20-40	35	B	3	
JNL027 04+50W	7/30/2014		assay	map		547989.26	6835107.7		greyish brown	20-40	35	B	3	
JNL027 05+00W	7/30/2014		assay	map		547943.52	6835082.3		greyish brown	20-40	35	B	3	
JNL027 05+50W	7/30/2014		assay	map		547897.79	6835057		greyish brown	20-40	35	B	3	
JNL027 06+00W	7/30/2014		assay	map		547852.05	6835031.7		greyish brown	20-40	35	B	3	
JNL027 06+50W	7/30/2014		assay	map		547806.07	6835006.8		greyish brown	20-40	35	B	3	
JNL027 07+00W	7/30/2014		assay	map		547759.6	6834982.8		greyish brown	20-40	35	B	3	
JNL027 07+50W	7/30/2014		assay	map		547713.13	6834958.8		greyish brown	20-40	25	B	3	
JNL027 08+00W	7/30/2014		assay	map		547666.67	6834934.9		greyish brown	20-40	25	B	3	
JNL027 08+50W	7/30/2014		assay	map		547630.17	6834897.7		greyish brown	20-40	25	B	3	
JNL027 09+00W	7/30/2014		assay	map		547595.88	6834858.4		greyish brown	20-40	25	B	3	
JNL027 09+50W	7/30/2014		assay	map		547567.94	6834814.2		greyish brown	20-40	25	B	3	
JNL028 00+50E	7/30/2014		assay	map		547673.96	6834675.2		greyish brown	0-20	35	B	3	
JNL028 01+00E	7/30/2014		assay	map		547710.93	6834706.5		greyish brown	0-20	25	B	3	
JNL028 01+50E	7/30/2014		assay	map		547747.89	6834737.7		greyish brown	20-40	25	B	3	
JNL028 02+00E	7/30/2014		assay	map		547784.55	6834769.3		greyish brown	20-40	25	B	3	
JNL028 02+50E	7/30/2014		assay	map		547819.48	6834802.8		greyish brown	20-40	25	B	3	
JNL028 03+00E	7/30/2014		assay	map		547854.52	6834836.2		greyish brown	20-40	25	B	3	
JNL028 03+50E	7/30/2014		assay	map		547891.76	6834867.1		greyish brown	20-40	25	B	3	
JNL028 04+00E	7/30/2014		assay	GPS		547929	6834898		greyish brown	20-40	25	B	3	

Sample Number	Date	Time	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Colour	Slope	Depth (cm)	Soil Horizon	Quality	Notes
JNL028 04+50E	7/30/2014		assay	map		547971.25	6834928		greyish brown	20-40	25	B	3	
JNL028 05+00E	7/30/2014		assay	map		548013.51	6834957.9		greyish brown	20-40	25	B	3	
JNL028 05+50E	7/30/2014		assay	map		548057.95	6834984.4		greyish brown	20-40	35	B	3	
JNL028 06+00E	7/30/2014		assay	map		548103	6835010		greyish brown	20-40	35	B	3	
JNL028 06+50E	7/30/2014		assay	map		548303	6835092		greyish brown	20-40	25	B	4	
JNL028 07+00E	7/30/2014		assay	map		548348.73	6835111.9		greyish brown	20-40	25	B	5	
JNL028 07+50E	7/30/2014		assay	map		548394.47	6835131.8		greyish brown	20-40	25	B	5	
JNL028 08+00E	7/30/2014		assay	map		548440.55	6835150.8		greyish brown	20-40	25	B	5	
JNL028 08+50E	7/30/2014		assay	map		548487.42	6835167.8		greyish brown	20-40	25	B	5	
JNL028 09+00E	7/30/2014		assay	map		548534.45	6835184.4		greyish brown	20-40	25	B	5	
JNL028 09+50E	7/30/2014		assay	map		548582.23	6835198.7		greyish brown	20-40	25	B	5	

Appendix 4.4
2014 DDH Sample Log

Friday, January 16, 2015

DDH	Sample Number	From(m)	To(m)	Interval Length(m)	Recovered Length(m)	Sample Method
JN11009	JN11009-169	197	198	1	1	SPLIT
JN11009	JN11009-170	198	199	1	1	SPLIT
JN11009	JN11009-171	199	200	1	1	SPLIT
JN11009	JN11009-172	200	201	1	1	SPLIT
JN11009	JN11009-173	201	202	1	1	SPLIT
JN11009	JN11009-174	202	202.8	0.8	0.8	SPLIT
JN11009	JN11009-175	202.8	203.85	1.05	1.05	SPLIT
JN11009	JN11009-176	203.85	204.9	1.05	1.02	SPLIT
JN11009	JN11009-177	204.9	205.7	0.8	0.8	SPLIT
JN11009	JN11009-178	205.7	206.7	1	0.98	SPLIT
JN11009	JN11009-179	206.7	207.7	1	1	SPLIT
JN11009	JN11009-180	207.7	208.7	1	1	SPLIT
JN11009	JN11009-181	208.7	209.7	1	1	SPLIT
JN11009	JN11009-182	209.7	210.7	1	1	SPLIT
JN11009	JN11009-183	210.7	211.65	0.95	0.82	SPLIT
JN11009	JN11009-184	211.65	212.4	0.75	0.75	SPLIT
JN11010	JN11010-104	189.9	190.9	1	0.79	SPLIT
JN11010	JN11010-105	190.9	191.5	0.6	0.6	SPLIT
JN11010	JN11010-106	191.5	192	0.5	0.48	SPLIT
JN11010	JN11010-107	192	193	1	0.63	SPLIT
JN11010	JN11010-108	193	194	1	0.33	SPLIT
JN11010	JN11010-109	194	195	1	0.27	SPLIT
JN11010	JN11010-110	195	196	1	0.26	SPLIT
JN11010	JN11010-111	196	197	1	0.68	SPLIT
JN11010	JN11010-112	197	198	1	0.5	SPLIT
JN11010	JN11010-113	198	199	1	0.95	SPLIT

DDH	Sample Number	From(m)	To(m)	Interval Length(m)	Recovered Length(m)	Sample Method
JN11010	JN11010-113	198	199	1	0.95	SPLIT
JN11010	JN11010-114	199	200	1	0.89	SPLIT
JN11010	JN11010-115	200	200.6	0.6	0.55	SPLIT
JN11010	JN11010-116	200.6	201.6	1	0.8	SPLIT
JN11010	JN11010-117	201.6	202.6	1	0.82	SPLIT
JN11010	JN11010-118	202.6	203.6	1	0.97	SPLIT
JN11010	JN11010-119	203.6	204.8	1.2	0.97	SPLIT
JN11010	JN11010-120	204.8	206	1.2	1.14	SPLIT
JN12012	JN12012-071	82	83.3	1.3	0.6	SAW
JN12012	JN12012-072	83.3	83.8	0.5	0.5	SAW
JN12012	JN12012-073	83.8	85	1.2	1.2	SAW
JN12012	JN12012-074	85	86.1	1.1	0.9	SAW
JN12012	JN12012-075	86.1	87.1	1	0.9	SAW
JN12012	JN12012-076	87.1	88.6	1.5	1.5	SAW
JN12012	JN12012-077	88.6	89.7	1.1	0.5	SAW
JN12012	JN12012-078	89.7	90.1	0.4	0.3	SAW
JN12012	JN12012-079	90.1	91.1	1	1	SAW
JN12012	JN12012-080	94.9	96.1	1.2	1.1	SAW
JN12012	JN12012-081	97.2	98	0.8	0.7	SAW
JN12012	JN12012-082	98	99	1	0.9	SAW
JN12012	JN12012-083	99	99.5	0.5	0.4	SAW
JN12012	JN12012-084	99.5	100.7	1.2	0.7	SAW
JN12012	JN12012-085	100.7	101.6	0.9	0.9	SAW
JN12012	JN12012-086	101.6	102.1	0.5	0.4	SAW
JN12013	JN12013-001	4.1	5.5	1.4	1.4	SAW
JN12013	JN12013-002	5.5	6.4	0.9	0.9	SAW
JN12013	JN12013-003	6.4	7.4	1	0.8	SAW
JN12013	JN12013-004	7.4	7.8	0.4	0.4	SAW

DDH	Sample Number	From(m)	To(m)	Interval Length(m)	Recovered Length(m)	Sample Method
JN12013	JN12013-005	7.8	9	1.2	1.2	SAW
JN12013	JN12013-006	9	10	1	1	SAW
JN12013	JN12013-007	10	11	1	0.8	SAW
JN12013	JN12013-008	11	12.1	1.1	0.9	SAW
JN12013	JN12013-009	14.2	15.3	1.1	1.1	SAW
JN12013	JN12013-010	15.3	16	0.7	0.7	SAW
JN12013	JN12013-011	16	17	1	0.9	SAW
JN12013	JN12013-012	17	18.2	1.2	0.7	SAW
JN12013	JN12013-013	21	21.3	0.3	0.3	SAW
JN12013	JN12013-014	23.8	25.3	1.5	0.7	SAW
JN12013	JN12013-015	25.3	26.2	0.9	0.9	SAW
JN12013	JN12013-016	26.2	26.6	0.4	0.4	SAW
JN12013	JN12013-017	26.6	27	0.4	0.3	SAW
JN12013	JN12013-018	27	27.8	0.8	0.5	SAW
JN12013	JN12013-019	27.8	28.8	1	1	SAW
JN12013	JN12013-020	28.8	29.9	1.1	1.1	SAW
JN12013	JN12013-021	29.9	30.8	0.9	0.9	SAW
JN12013	JN12013-022	30.8	32.3	1.5	1	SAW
JN12013	JN12013-023	32.3	33	0.7	0.7	SAW
JN12013	JN12013-024	33	34	1	1	SAW
JN12013	JN12013-025	34	35	1	1	SAW
JN12013	JN12013-026	35	36	1	1	SAW
JN12013	JN12013-027	36	37.5	1.5	1.5	SAW
JN12013	JN12013-028	37.5	39	1.5	1.5	SAW
JN12013	JN12013-029	39	40.5	1.5	1.5	SAW
JN12013	JN12013-030	40.5	42	1.5	1.4	SAW
JN12013	JN12013-031	42	43.5	1.5	1.5	SAW
JN12013	JN12013-032	43.5	45	1.5	1.5	SAW

DDH	Sample Number	From(m)	To(m)	Interval Length(m)	Recovered Length(m)	Sample Method
JN12013	JN12013-033	45	45.8	0.8	0.8	SAW
JN12013	JN12013-034	45.8	46.9	1.1	1.1	SAW
JN12013	JN12013-034	45.8	46.9	1.1	1.1	SAW
JN12013	JN12013-035	46.9	48	1.1	1.1	SAW
JN12013	JN12013-036	48	49.5	1.5	1.5	SAW
JN12013	JN12013-037	49.5	51	1.5	1.5	SAW
JN12013	JN12013-038	51	52.5	1.5	1.5	SAW
JN12013	JN12013-039	52.5	54	1.5	1.5	SAW
JN12013	JN12013-040	54	55.5	1.5	1.5	SAW
JN12013	JN12013-041	55.5	57	1.5	1.3	SAW
JN12013	JN12013-042	57	58.5	1.5	1.5	SAW
JN12013	JN12013-043	58.5	59.5	1	1	SAW
JN12013	JN12013-044	59.5	60.1	0.6	0.6	SAW
JN12013	JN12013-045	60.1	60.6	0.5	0.5	SAW
JN12013	JN12013-046	60.6	61.5	0.9	0.9	SAW
JN12013	JN12013-047	61.5	61.9	0.4	0.3	SAW
JN12013	JN12013-048	61.9	63	1.1	1.1	SAW
JN12013	JN12013-049	63	64.5	1.5	1.5	SAW
JN12013	JN12013-050	64.5	66	1.5	1.5	SAW
JN12013	JN12013-051	66	67	1	1	SAW
JN12013	JN12013-052	67	68	1	1	SAW
JN12013	JN12013-053	68	69.3	1.3	1.3	SAW
JN12013	JN12013-054	69.3	70.3	1	1	SAW
JN12013	JN12013-055	70.3	70.9	0.6	0.6	SAW
JN12013	JN12013-069	87.9	88.7	0.8	0.6	SAW
JN12013	JN12013-070	88.7	89.7	1	1	SAW
JN12013	JN12013-070	88.7	89.7	1	1	SAW
JN12013	JN12013-071	89.7	90.8	1.1	1.1	SAW

DDH	Sample Number	From(m)	To(m)	Interval Length(m)	Recovered Length(m)	Sample Method
JN12013	JN12013-072	90.8	92	1.2	1.2	SAW
JN12014	JN12014-001	4.6	6	1.4	1.4	SAW
JN12014	JN12014-002	6	7.5	1.5	1.4	SAW
JN12014	JN12014-003	7.5	9	1.5	1.5	SAW
JN12014	JN12014-004	9	10	1	1	SAW
JN12014	JN12014-005	10	10.4	0.4	0.4	SAW
JN12014	JN12014-006	10.4	10.8	0.4	0.4	SAW
JN12014	JN12014-007	10.8	12.1	1.3	1.2	SAW
JN12014	JN12014-008	12.1	13.8	1.7	1.5	SAW
JN12014	JN12014-009	13.8	15.1	1.3	1.3	SAW
JN12014	JN12014-010	15.1	16.2	1.1	1	SAW
JN12014	JN12014-011	16.2	17.4	1.2	1.2	SAW
JN12014	JN12014-012	17.4	18.9	1.5	1.5	SAW
JN12014	JN12014-013	18.9	20.3	1.4	1.4	SAW
JN12014	JN12014-014	20.3	21.3	1	1	SAW
JN12014	JN12014-015	21.3	22.5	1.2	1	SAW
JN12014	JN12014-016	22.5	23.5	1	1	SAW
JN12014	JN12014-017	23.5	25	1.5	1.5	SAW
JN12014	JN12014-018	25	26.1	1.1	1.1	SAW
JN12014	JN12014-019	26.1	27	0.9	0.9	SAW
JN12014	JN12014-020	27	28.5	1.5	1.5	SAW
JN12014	JN12014-021	28.5	29.5	1	1	SAW
JN12014	JN12014-022	29.5	30.4	0.9	0.7	SAW
JN12014	JN12014-023	30.4	31.5	1.1	1.1	SAW
JN12014	JN12014-024	31.5	33	1.5	1.5	SAW
JN12014	JN12014-025	33	34.5	1.5	1.5	SAW
JN12014	JN12014-026	34.5	36	1.5	1.5	SAW
JN12014	JN12014-027	36	37.5	1.5	1.5	SAW

DDH	Sample Number	From(m)	To(m)	Interval Length(m)	Recovered Length(m)	Sample Method
JN12014	JN12014-028	37.5	39	1.5	1.5	SAW
JN12014	JN12014-029	39	40.2	1.2	1.1	SAW
JN12014	JN12014-030	40.2	41.5	1.3	1.3	SAW
JN12014	JN12014-031	41.5	42.9	1.4	1.1	SAW
JN12014	JN12014-032	42.9	43.3	0.4	0.3	SAW
JN12014	JN12014-033	43.3	44.4	1.1	0.8	SAW
JN12014	JN12014-034	44.4	45	0.6	0.6	SAW
JN12014	JN12014-035	45	46	1	1	SAW
JN12014	JN12014-036	46	47	1	1	SAW
JN12014	JN12014-037	47	48.5	1.5	1.4	SAW
JN12014	JN12014-038	48.5	49.3	0.8	0.8	SAW
JN12014	JN12014-039	49.3	50.7	1.4	0.6	SAW
JN12014	JN12014-040	50.7	51.8	1.1	1.1	SAW
JN12014	JN12014-041	51.8	52.9	1.1	0.3	SAW
JN12014	JN12014-042	52.9	54	1.1	1.1	SAW
JN12014	JN12014-043	54	55.5	1.5	1.4	SAW
JN12014	JN12014-044	55.5	57	1.5	1.3	SAW
JN12014	JN12014-045	57	58.5	1.5	1.5	SAW
JN12014	JN12014-046	58.5	60	1.5	1.5	SAW
JN12014	JN12014-047	60	61.5	1.5	1.5	SAW
JN12014	JN12014-048	61.5	63	1.5	1.4	SAW
JN12014	JN12014-049	63	63.5	0.5	0.5	SAW
JN12014	JN12014-050	63.5	65	1.5	0.8	SAW
JN12014	JN12014-051	65	66	1	0.8	SAW
JN12014	JN12014-052	66	67.3	1.3	0.6	SAW
JN12014	JN12014-053	67.3	68.8	1.5	1.4	SAW
JN12014	JN12014-054	68.8	69.3	0.5	0.4	SAW
JN12014	JN12014-055	69.3	70.5	1.2	0.9	SAW

DDH	Sample Number	From(m)	To(m)	Interval Length(m)	Recovered Length(m)	Sample Method
JN12014	JN12014-056	70.5	71	0.5	0.5	SAW
JN12014	JN12014-057	71	72.2	1.2	0.9	SAW
JN12016	JN12016-075	104	104.7	0.7	0.7	SAW
JN12016	JN12016-076	104.7	105.5	0.8	0.8	SAW
JN12016	JN12016-077	105.5	106.3	0.8	0.4	SAW
JN12016	JN12016-078	106.3	107.3	1	1	SAW
JN12016	JN12016-078	106.3	107.3	1	1	SAW
JN12016	JN12016-079	107.3	108	0.7	0.7	SAW
JN12016	JN12016-080	108	109	1	1	SAW
JN12016	JN12016-081	109	110.1	1.1	1	SAW
JN12016	JN12016-082	110.1	110.9	0.8	0.8	SAW
JN12016	JN12016-083	110.9	111.2	0.3	0.3	SAW
JN12016	JN12016-084	111.2	112.6	1.4	1.2	SAW
JN12016	JN12016-084	111.2	112.6	1.4	1.2	SAW
JN12016	JN12016-085	112.6	113.2	0.6	0.6	SAW
JN12016	JN12016-086	113.2	113.5	0.3	0.3	SAW
JN12016	JN12016-087	113.5	114.3	0.8	0.7	SAW
JN12019	JN12019-147	186	186.5	0.5	0.5	SAW
JN12019	JN12019-148	186.5	188	1.5	1.5	SAW
JN12019	JN12019-149	188	189.5	1.5	1.5	SAW
JN12019	JN12019-150	189.5	190.6	1.1	1.1	SAW
JN12019	JN12019-151	190.6	191	0.4	0.4	SAW
JN12019	JN12019-152	191	191.9	0.9	0.9	SAW
JN12019	JN12019-153	191.9	192.5	0.6	0.6	SAW
JN12019	JN12019-154	192.5	192.8	0.3	0.3	SAW
JN12019	JN12019-155	192.8	193.2	0.4	0.4	SAW
JN12019	JN12019-156	193.2	194.2	1	1	SAW
JN12019	JN12019-159	196.3	197.8	1.5	1.4	SAW

DDH	Sample Number	From(m)	To(m)	Interval Length(m)	Recovered Length(m)	Sample Method
JN12019	JN12019-160	197.8	198.3	0.5	0.4	SAW
JN12019	JN12019-160	197.8	198.3	0.5	0.4	SAW
JN12019	JN12019-162	199.4	199.7	0.3	0.3	SAW
JN12019	JN12019-162	199.4	199.7	0.3	0.3	SAW
JN12019	JN12019-163	199.7	201	1.3	1	SAW
JN12019	JN12019-164	201	202.5	1.5	1.4	SAW

Appendix V

Analytic Certificates

ALS Canada Ltd.

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

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

Finalized Date: 25- AUG- 2014
Account: TELOEX

CERTIFICATE WH14116725

P.O. No.: JN14- 002
This report is for 92 Rock samples submitted to our lab in Whitehorse, YT, Canada on 2- AUG- 2014.

The following have access to data associated with this certificate:

JESSE CAMPBELL	CHRIS GALLAGHER	MIKE MCCUAIG

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Zn- OG46	Ore Grade Zn - Aqua Regia	VARIABLE
Au- AA23	Au 30g FA- AA finish	AAS
W- XRF05	Trace Level W XRF Analysis	XRF
As- OG46	Ore Grade As - Aqua Regia	VARIABLE
Zn- VOL50	Zn by titration	
ME- MS41	51 anal. aqua regia ICPMS	

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

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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

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

Finalized Date: 25- AUG- 2014
Account: TELOEX

CERTIFICATE OF ANALYSIS WH14116725

Sample Description / Method	WEI- 21	Au- AA23	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOR	0.02	0.005	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
MMJNR043	3.88	0.160	0.04	0.72	11.4	<0.2	10	60	1.08	6.24	0.21	0.24	63.4	5.0	6
MMJNR044	3.99	0.087	0.05	1.07	13.6	<0.2	10	100	1.11	7.38	0.22	0.17	67.7	5.5	7
MMJNR045	5.70	0.116	0.04	1.02	5.4	0.2	<10	120	0.68	9.08	0.21	0.07	56.0	4.1	7
MMJNR046	3.12	0.070	0.11	1.17	22.6	<0.2	<10	40	0.63	5.44	0.09	0.16	41.4	4.5	8
MMJNR047	2.19	0.965	0.11	1.16	5.8	1.1	<10	20	0.58	119.0	0.07	0.20	34.5	3.8	5
MMJNR048	3.78	<0.005	<0.01	0.04	<0.1	<0.2	<10	10	<0.05	0.14	>25.0	0.01	0.47	0.7	1
MMJNR049	0.04	1.230	0.45	1.86	6330	1.2	10	70	0.25	21.7	4.77	0.89	17.75	156.5	28
MMJNR050	5.79	0.731	0.06	1.24	3.3	0.3	<10	10	0.57	141.5	0.13	0.16	46.2	5.2	4
MMJNR051	4.61	0.306	0.05	1.30	7.0	0.3	<10	20	0.46	26.3	0.09	0.05	40.2	5.2	5
MMJNR052	2.53	0.464	0.07	0.88	8.2	0.5	<10	20	0.33	48.1	0.10	0.06	27.0	2.8	4
MMJNR053	1.50	0.012	0.01	1.16	2.1	<0.2	<10	150	0.46	1.82	0.26	0.02	38.8	3.2	8
MMJNR054	7.09	0.499	0.08	1.17	1.3	0.5	<10	170	0.41	143.0	0.25	0.04	44.6	3.6	9
MMJNR055	2.77	<0.005	0.01	1.05	0.6	<0.2	<10	150	0.42	1.62	0.24	0.03	42.4	3.4	9
MMJNR056	3.81	0.097	0.03	1.10	0.4	<0.2	<10	160	0.40	29.9	0.24	0.03	44.0	3.8	7
MMJNR057	2.87	0.009	0.01	1.11	1.4	<0.2	<10	170	0.50	2.83	0.23	0.05	44.1	4.0	8
MMJNR058	4.21	0.013	0.01	1.16	0.8	<0.2	<10	170	0.44	3.08	0.23	0.03	38.1	4.5	8
MMJNR059	3.72	0.020	0.01	1.09	0.4	<0.2	<10	150	0.52	3.53	0.26	0.02	40.3	3.4	9
MMJNR060	2.54	0.009	0.01	1.05	1.1	<0.2	<10	130	0.58	2.78	0.22	0.06	44.4	4.7	7
MMJNR061	5.34	0.055	0.06	1.06	8.3	<0.2	<10	40	0.35	2.93	0.03	<0.01	28.1	4.6	4
MMJNR062	2.50	0.023	0.01	1.09	10.9	<0.2	<10	20	0.35	5.81	0.01	0.01	34.9	6.2	4
MMJNR063	4.21	0.053	0.01	0.92	8.3	<0.2	<10	20	0.31	8.41	0.01	<0.01	29.7	7.3	4
MMJNR064	4.26	0.954	0.19	0.72	4.6	1.1	<10	20	0.27	491	0.02	<0.01	21.6	4.1	4
MMJNR065	5.35	<0.005	<0.01	0.04	<0.1	<0.2	<10	<10	<0.05	0.52	>25.0	<0.01	0.45	0.3	1
MMJNR066	0.04	1.220	0.42	1.77	6340	1.0	10	70	0.23	20.7	4.67	0.81	15.90	152.5	28
MMJNR067	3.11	0.017	0.04	1.09	89.2	<0.2	<10	40	0.58	9.22	0.19	0.07	41.6	10.0	10
MMJNR068	4.45	0.084	0.02	0.76	10.4	<0.2	<10	60	0.61	11.70	0.15	0.09	48.2	8.5	5
MMJNR069	5.55	0.036	0.02	0.77	7.3	<0.2	<10	60	0.65	2.50	0.15	0.09	50.5	7.9	7
MMJNR070	7.09	0.295	0.02	0.74	3.6	0.2	<10	60	0.56	30.5	0.15	0.09	47.0	7.4	7
MMJNR071	7.46	0.061	0.02	0.79	13.5	<0.2	<10	40	0.59	7.04	0.07	0.05	47.4	12.9	5
MMJNR072	6.14	0.076	0.05	0.74	8.1	<0.2	<10	40	0.54	8.97	0.03	0.02	35.7	10.5	4
MMJNR073	4.59	0.070	0.03	0.62	2.1	<0.2	<10	50	0.72	12.30	0.14	0.11	52.8	6.3	6
MMJNR074	5.23	0.067	0.02	0.72	1.6	<0.2	<10	60	0.84	11.40	0.16	0.12	61.2	8.3	6
MMJNR075	5.71	0.031	0.02	1.11	9.4	<0.2	<10	110	0.56	8.45	0.22	0.09	47.2	8.7	8
MMJNR076	3.95	0.022	0.02	5.83	2.6	<0.2	10	20	3.87	3.44	6.17	0.05	59.0	6.9	33
MMJNR077	7.69	<0.005	0.02	5.66	1.6	<0.2	<10	20	2.52	0.82	4.56	0.01	39.8	5.7	26
MMJNR078	7.69	0.024	0.01	0.63	0.8	<0.2	<10	10	1.25	2.13	1.40	0.07	15.55	4.9	5
MMJNR079	6.20	0.203	0.03	0.64	0.7	0.2	<10	10	1.54	15.40	1.52	0.05	12.50	6.0	4
MMJNR080	8.59	0.093	0.02	6.59	1.2	<0.2	<10	10	2.09	10.35	6.32	0.03	46.3	4.0	17
MMJNR081	4.91	<0.005	<0.01	0.05	0.3	<0.2	<10	10	<0.05	0.07	>25.0	<0.01	0.48	0.4	1
MMJNR082	0.04	1.230	0.42	1.83	6410	1.1	10	70	0.23	21.8	4.81	0.86	17.10	156.0	29

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

ALS Canada Ltd.
2103 Dollarton Hwy
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ALS Minerals

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

Finalized Date: 25- AUG- 2014
Account: TELOEX

CERTIFICATE OF ANALYSIS WH14116725

Sample Description	Method / Analyte / Units / LOR	ME- MS41 Cs ppm 0.05	ME- MS41 Cu ppm 0.2	ME- MS41 Fe % 0.01	ME- MS41 Ga ppm 0.05	ME- MS41 Ge ppm 0.05	ME- MS41 Hf ppm 0.02	ME- MS41 Hg ppm 0.01	ME- MS41 In ppm 0.005	ME- MS41 K % 0.01	ME- MS41 La ppm 0.2	ME- MS41 Li ppm 0.1	ME- MS41 Mg % 0.01	ME- MS41 Mn ppm 5	ME- MS41 Mo ppm 0.05	ME- MS41 Na % 0.01
MMJNR043		7.19	13.2	2.12	3.45	0.10	0.10	<0.01	0.013	0.30	35.2	15.2	0.10	441	4.43	0.06
MMJNR044		7.68	15.6	2.49	5.61	0.12	0.12	0.01	0.015	0.41	33.1	29.5	0.19	428	2.94	0.10
MMJNR045		3.84	9.4	2.02	5.68	0.11	0.20	0.01	0.015	0.41	25.2	29.7	0.27	364	5.29	0.09
MMJNR046		1.88	14.9	2.51	3.93	0.11	0.02	0.01	0.018	0.17	18.4	8.6	0.06	353	3.74	0.01
MMJNR047		0.98	13.5	3.00	3.53	0.08	0.06	0.04	0.013	0.11	14.5	4.8	0.02	393	2.37	<0.01
MMJNR048		<0.05	1.1	0.05	0.12	<0.05	<0.02	<0.01	<0.005	0.01	0.2	0.7	1.87	22	0.08	<0.01
MMJNR049		1.06	123.0	3.98	5.23	0.14	0.27	0.01	0.117	0.14	11.7	13.0	0.45	759	10.40	0.16
MMJNR050		1.01	13.2	2.14	3.30	0.05	0.07	0.02	0.013	0.07	18.8	5.6	0.02	595	11.60	<0.01
MMJNR051		1.30	19.5	2.30	3.51	0.06	0.03	0.05	0.011	0.12	17.7	6.4	0.03	495	3.58	<0.01
MMJNR052		1.68	12.2	2.21	2.78	0.05	0.02	0.01	0.014	0.10	15.1	3.0	0.03	241	7.28	<0.01
MMJNR053		2.76	9.7	2.31	6.09	0.09	0.12	<0.01	0.009	0.52	18.8	35.4	0.32	327	2.03	0.11
MMJNR054		3.10	13.6	2.18	6.37	0.09	0.16	<0.01	0.010	0.56	21.1	37.5	0.36	339	17.25	0.12
MMJNR055		2.96	15.5	2.19	6.08	0.09	0.20	0.01	0.015	0.50	20.3	32.6	0.32	381	23.9	0.10
MMJNR056		3.93	11.9	2.09	6.76	0.10	0.17	<0.01	0.013	0.56	21.1	40.8	0.34	357	24.2	0.11
MMJNR057		3.01	13.8	2.16	6.26	0.09	0.20	<0.01	0.012	0.51	20.4	39.2	0.33	382	3.01	0.12
MMJNR058		2.99	28.3	2.13	6.13	0.09	0.16	0.01	0.010	0.57	17.7	37.1	0.36	349	4.12	0.12
MMJNR059		3.07	9.6	2.14	6.44	0.10	0.18	0.01	0.009	0.54	19.4	34.2	0.33	349	8.92	0.12
MMJNR060		3.06	19.6	2.09	6.71	0.09	0.16	<0.01	0.009	0.44	20.0	36.1	0.31	334	11.75	0.10
MMJNR061		0.99	19.5	2.08	2.96	<0.05	0.05	0.04	0.009	0.15	13.2	7.1	0.02	265	3.48	<0.01
MMJNR062		1.03	20.5	2.48	3.50	<0.05	<0.02	0.01	0.014	0.13	15.5	3.3	0.01	407	5.83	<0.01
MMJNR063		1.19	22.4	3.23	3.56	0.05	<0.02	0.01	0.013	0.10	14.5	2.8	0.01	568	4.47	<0.01
MMJNR064		0.86	18.4	1.49	2.46	<0.05	0.02	0.01	0.012	0.14	9.0	2.8	0.01	162	22.4	<0.01
MMJNR065		<0.05	1.6	0.05	0.11	0.05	<0.02	<0.01	<0.005	0.01	0.2	0.3	1.98	25	0.12	0.01
MMJNR066		1.00	118.5	3.91	4.77	0.10	0.24	0.01	0.105	0.14	10.2	12.6	0.45	740	10.15	0.16
MMJNR067		2.27	25.7	3.34	3.43	0.06	0.02	0.01	0.029	0.23	16.1	12.9	0.12	474	6.79	0.03
MMJNR068		3.99	22.3	2.16	3.61	0.07	0.09	0.01	0.029	0.25	21.2	15.6	0.13	306	3.89	0.05
MMJNR069		2.66	19.6	2.37	3.67	0.06	0.07	0.01	0.011	0.29	21.1	15.5	0.14	352	3.28	0.06
MMJNR070		3.28	12.1	2.00	3.89	0.07	0.06	0.01	0.010	0.26	20.8	15.9	0.14	317	4.44	0.07
MMJNR071		1.81	19.3	2.41	2.21	0.06	0.03	0.01	0.014	0.25	21.5	5.8	0.04	425	2.55	0.02
MMJNR072		1.48	12.6	2.17	1.88	0.05	0.04	0.01	0.010	0.23	17.0	5.0	0.03	240	4.97	<0.01
MMJNR073		1.93	4.9	2.11	2.60	0.06	0.09	0.01	0.009	0.28	24.1	9.0	0.06	340	31.4	0.05
MMJNR074		2.56	7.0	2.00	3.66	0.07	0.13	<0.01	0.010	0.32	29.2	16.4	0.12	354	5.39	0.07
MMJNR075		2.76	9.7	2.42	5.81	0.07	0.11	0.01	0.021	0.39	22.1	28.1	0.27	326	16.00	0.09
MMJNR076		4.07	14.6	3.60	21.6	1.24	0.83	<0.01	0.332	0.07	31.3	29.4	0.14	1470	11.75	0.13
MMJNR077		2.39	14.1	1.57	17.80	0.43	0.36	<0.01	0.104	0.08	20.2	23.5	0.26	519	120.5	0.26
MMJNR078		0.80	5.8	1.67	4.79	0.37	0.19	0.01	0.124	0.02	7.1	7.7	0.10	792	12.75	0.05
MMJNR079		0.62	6.2	2.03	5.66	0.54	0.21	0.02	0.186	0.02	5.9	5.9	0.06	868	7.42	0.06
MMJNR080		0.95	3.6	1.38	16.75	0.68	0.55	0.01	0.123	0.02	24.7	8.2	0.06	754	16.35	0.13
MMJNR081		<0.05	0.7	0.06	0.13	0.05	0.02	<0.01	<0.005	<0.01	0.2	0.3	1.89	29	0.14	<0.01
MMJNR082		1.04	123.0	3.96	4.95	0.11	0.26	0.01	0.108	0.14	11.1	13.3	0.46	767	10.55	0.16

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

ALS Canada Ltd.

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

Finalized Date: 25- AUG- 2014
Account: TELOEX

CERTIFICATE OF ANALYSIS WH14116725

Sample Description	Method / Analyte / Units / LOR	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
MMJNR043		0.32	4.0	410	9.3	22.0	<0.001	0.01	0.59	4.1	0.7	1.3	12.1	<0.01	0.23	13.0
MMJNR044		0.52	4.5	430	9.0	32.4	<0.001	0.01	0.57	4.8	0.5	1.8	16.3	<0.01	0.20	14.3
MMJNR045		0.64	2.8	390	6.8	31.8	0.001	0.01	0.26	4.5	0.8	1.3	14.6	<0.01	0.18	13.4
MMJNR046		0.29	6.6	330	17.0	11.2	<0.001	0.02	0.82	4.6	0.3	1.2	6.7	<0.01	0.14	12.5
MMJNR047		<0.05	2.4	350	12.1	9.7	<0.001	0.02	1.41	4.9	0.2	1.1	5.7	<0.01	2.31	10.5
MMJNR048		<0.05	<0.2	30	<0.2	0.3	0.001	0.10	<0.05	0.3	0.2	<0.2	4710	<0.01	0.02	<0.2
MMJNR049		0.19	35.2	980	18.4	5.9	0.046	0.62	10.05	3.4	10.5	2.5	139.5	<0.01	4.42	1.8
MMJNR050		0.09	2.4	410	17.6	5.9	<0.001	0.02	0.75	4.1	0.6	1.3	7.3	<0.01	1.90	11.8
MMJNR051		0.13	2.7	360	13.5	9.4	<0.001	0.07	1.59	3.4	0.6	2.1	4.9	<0.01	0.62	10.2
MMJNR052		0.16	2.5	290	9.7	6.4	<0.001	0.02	0.74	3.2	0.4	1.1	6.5	<0.01	3.71	11.7
MMJNR053		0.84	2.2	390	3.6	38.6	0.001	0.01	0.18	4.6	0.6	1.3	16.6	<0.01	0.03	11.5
MMJNR054		0.88	1.7	420	4.0	43.1	0.003	0.02	0.16	5.0	0.7	1.9	16.4	<0.01	1.51	11.9
MMJNR055		0.81	1.7	370	3.2	38.7	<0.001	0.01	0.10	4.4	0.7	2.2	15.2	<0.01	0.03	10.6
MMJNR056		1.02	1.6	360	3.7	48.3	0.001	0.01	0.13	5.1	0.7	2.2	17.2	<0.01	0.36	11.3
MMJNR057		0.78	2.1	360	4.8	38.7	0.001	0.01	0.08	4.7	0.6	2.0	17.3	<0.01	0.04	11.7
MMJNR058		0.85	1.6	380	3.3	43.3	0.001	0.01	0.07	4.7	0.6	3.6	15.3	<0.01	0.05	10.7
MMJNR059		0.89	1.6	350	2.9	41.8	0.001	0.01	0.07	4.6	0.6	1.4	15.4	<0.01	0.09	11.0
MMJNR060		0.78	1.8	390	3.1	35.0	0.001	0.01	0.09	4.5	0.5	2.1	13.3	<0.01	0.04	11.6
MMJNR061		0.12	1.2	310	11.2	12.2	<0.001	0.08	6.25	2.4	0.3	1.9	4.2	<0.01	0.04	9.8
MMJNR062		0.16	1.3	400	10.3	9.1	<0.001	0.02	0.65	4.3	0.3	2.0	3.6	<0.01	0.09	11.8
MMJNR063		0.23	1.9	380	6.6	7.5	<0.001	0.02	0.79	4.2	0.3	2.1	2.8	<0.01	0.20	9.8
MMJNR064		0.19	2.9	280	14.7	10.6	0.001	0.02	2.96	2.0	0.7	1.2	2.3	<0.01	3.27	10.3
MMJNR065		0.08	0.4	30	0.3	0.2	<0.001	0.09	0.07	0.2	0.2	<0.2	4820	<0.01	0.01	<0.2
MMJNR066		0.20	33.4	980	18.4	5.5	0.044	0.62	8.79	3.1	9.8	2.0	132.0	<0.01	3.87	1.8
MMJNR067		0.71	6.6	410	27.1	17.4	<0.001	0.04	0.95	2.6	0.4	1.3	14.6	<0.01	0.08	11.0
MMJNR068		0.73	2.7	390	8.7	19.8	<0.001	0.01	1.02	3.8	0.7	3.2	9.8	<0.01	0.20	12.4
MMJNR069		0.63	4.0	420	8.6	21.8	<0.001	0.01	0.26	3.5	0.6	1.6	9.8	<0.01	0.07	12.2
MMJNR070		0.88	2.4	390	7.1	19.8	<0.001	0.01	0.32	3.7	0.7	1.3	10.1	<0.01	0.66	11.3
MMJNR071		0.21	2.8	410	13.1	17.6	<0.001	0.02	0.51	1.7	0.4	1.8	4.1	<0.01	0.25	11.5
MMJNR072		0.12	3.0	380	17.1	17.5	<0.001	0.07	1.26	1.7	0.2	1.7	2.8	<0.01	0.20	11.0
MMJNR073		0.27	4.3	380	9.6	19.1	0.001	0.01	0.26	2.8	0.7	0.8	8.1	<0.01	0.20	11.9
MMJNR074		0.52	3.2	410	8.4	25.2	<0.001	0.01	0.20	3.7	0.7	1.5	9.8	<0.01	0.32	13.4
MMJNR075		1.32	5.0	410	9.4	31.7	0.001	0.04	0.30	4.3	0.5	1.8	15.7	<0.01	0.11	12.3
MMJNR076		0.89	8.5	490	2.3	6.3	0.001	0.01	0.18	4.2	0.7	25.1	331	0.01	0.05	14.3
MMJNR077		1.27	10.8	480	1.9	8.0	0.007	0.04	0.12	3.2	0.5	8.1	477	0.03	0.02	13.1
MMJNR078		0.63	4.0	620	0.8	3.4	<0.001	0.01	0.11	0.5	0.3	3.9	21.2	<0.01	0.04	2.8
MMJNR079		0.63	2.2	280	0.9	2.4	0.002	<0.01	0.11	0.4	0.4	5.1	19.2	<0.01	0.36	2.4
MMJNR080		0.46	3.8	920	0.9	2.1	<0.001	<0.01	0.16	1.9	0.6	6.5	492	0.01	0.26	13.0
MMJNR081		0.11	0.3	30	<0.2	0.2	<0.001	0.11	0.06	0.3	<0.2	<0.2	4830	<0.01	0.01	<0.2
MMJNR082		0.24	34.5	1000	18.9	5.8	0.050	0.62	9.42	3.2	10.6	2.2	138.0	<0.01	4.11	1.9

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

ALS Minerals

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

Finalized Date: 25- AUG- 2014
Account: TELOEX

CERTIFICATE OF ANALYSIS WH14116725

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	As- OG46	Zn- OG46	W- XRF05	Zn- VOL50
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr	As	Zn	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	%
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01	0.001	10	0.01
MMJNR043		0.016	0.15	3.21	11	70.4	17.05	48	3.4				
MMJNR044		0.041	0.20	3.31	17	72.2	15.80	41	4.0				
MMJNR045		0.069	0.19	3.18	19	49.7	13.45	32	4.9				
MMJNR046		0.009	0.14	2.82	15	8.04	10.30	56	0.9				
MMJNR047		<0.005	0.12	2.46	11	14.55	8.11	39	2.8				
MMJNR048		<0.005	<0.02	1.38	1	0.06	0.47	2	<0.5				
MMJNR049		0.101	0.05	2.21	51	2.51	7.44	88	8.6				
MMJNR050		<0.005	0.07	3.46	12	2.13	9.74	36	3.4				
MMJNR051		<0.005	0.16	3.24	10	3.55	10.05	24	1.4				
MMJNR052		<0.005	0.11	2.34	13	13.90	8.35	26	0.7				
MMJNR053		0.105	0.17	2.80	23	116.5	11.80	21	3.2				
MMJNR054		0.118	0.19	1.66	25	80.6	12.20	25	3.5				
MMJNR055		0.102	0.16	2.11	22	35.0	11.60	31	4.4				
MMJNR056		0.117	0.24	1.83	24	128.0	12.20	28	3.7				
MMJNR057		0.104	0.19	2.25	22	91.6	12.45	27	4.3				
MMJNR058		0.120	0.19	1.76	24	43.8	11.35	26	3.4				
MMJNR059		0.107	0.17	1.95	23	200	12.65	25	3.9			210	
MMJNR060		0.082	0.15	2.21	22	140.0	13.15	28	3.4				
MMJNR061		<0.005	0.14	1.84	8	2.44	4.91	13	2.0				
MMJNR062		<0.005	0.06	2.22	14	2.35	5.54	26	0.7				
MMJNR063		0.005	0.05	1.59	18	4.83	5.82	28	<0.5				
MMJNR064		<0.005	0.07	1.51	8	94.4	3.78	13	1.2				
MMJNR065		<0.005	<0.02	1.24	1	0.20	0.47	<2	<0.5				
MMJNR066		0.089	0.06	2.18	49	2.60	7.39	87	7.7				
MMJNR067		0.012	0.17	1.91	12	6.08	7.03	41	1.0				
MMJNR068		0.022	0.13	2.44	12	43.9	11.05	29	3.0				
MMJNR069		0.018	0.11	2.53	11	13.15	11.50	31	2.7				
MMJNR070		0.028	0.09	2.49	14	38.8	11.40	27	2.2				
MMJNR071		<0.005	0.10	2.03	5	30.1	6.80	26	1.5				
MMJNR072		<0.005	0.11	2.16	3	13.55	5.18	26	1.6				
MMJNR073		<0.005	0.11	2.49	7	183.0	11.90	24	3.2				
MMJNR074		0.018	0.12	3.37	11	20.0	14.15	27	4.0				
MMJNR075		0.065	0.19	2.19	20	143.0	11.90	35	3.6				
MMJNR076		0.199	0.04	2.97	41	159.5	13.35	38	26.8				
MMJNR077		0.167	0.04	2.54	35	61.0	11.20	26	10.0				
MMJNR078		0.039	0.03	1.11	8	131.0	6.91	33	6.3				
MMJNR079		0.039	0.03	0.85	6	380	6.21	26	7.1			470	
MMJNR080		0.133	<0.02	2.49	22	28.0	9.66	15	17.1				
MMJNR081		<0.005	<0.02	1.38	1	1.07	0.53	<2	0.6				
MMJNR082		0.096	0.06	2.33	51	2.89	7.97	89	8.2				

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

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ALS Minerals

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

Finalized Date: 25- AUG- 2014
Account: TELOEX

CERTIFICATE OF ANALYSIS WH14116725

Sample Description	Method	WEI- 21	Au- AA23	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
MMJNR083		6.35	0.257	0.04	4.30	2.9	0.2	<10	10	2.38	32.2	3.87	0.04	30.8	5.5	12
MMJNR084		8.12	0.008	0.01	9.24	1.2	<0.2	<10	40	2.97	1.53	6.35	0.04	63.2	10.5	36
MMJNR085		2.46	0.043	0.01	7.16	1.1	<0.2	<10	30	4.41	4.09	5.18	0.05	58.9	4.9	34
MMJNR086		3.58	0.099	0.02	10.90	1.0	<0.2	10	10	3.11	12.95	8.58	0.02	49.2	4.9	27
MMJNR087		6.65	0.011	0.02	8.54	2.7	<0.2	30	10	4.66	3.37	7.76	0.02	69.5	7.4	31
MMJNR088		3.54	0.090	0.02	10.95	0.8	<0.2	<10	20	4.74	13.00	7.90	0.02	59.0	8.2	28
MMJNR089		4.83	0.040	0.03	12.30	1.4	<0.2	<10	10	3.90	3.78	9.01	0.03	45.7	4.8	26
MMJNR090		4.13	0.114	0.79	6.04	2.4	0.2	10	20	3.57	103.0	4.52	0.11	46.4	15.6	31
MMJNR091		6.18	0.233	0.10	7.68	2.4	0.2	10	10	4.48	105.5	6.21	0.07	54.1	8.7	26
MMJNR092		2.80	0.185	0.03	0.42	0.6	0.2	<10	20	2.34	17.90	1.47	0.15	8.31	2.3	3
MMJNR093		5.61	0.629	0.10	1.49	1.4	0.9	10	10	2.37	64.0	4.69	<0.01	23.4	2.1	12
MMJNR094		6.63	0.692	0.06	0.67	0.7	0.6	20	20	2.78	59.2	3.72	<0.01	9.99	2.2	5
MMJNR095		3.76	0.636	0.08	0.77	2.0	0.6	<10	10	3.08	52.4	2.47	<0.01	10.45	2.5	5
MMJNR096		2.90	0.043	0.06	3.56	5.1	<0.2	10	30	2.13	3.67	5.04	0.07	43.7	3.5	21
MMJNR097		4.34	0.027	0.04	3.09	2.6	<0.2	10	30	3.87	5.39	4.72	0.22	40.9	4.1	20
MMJNR098		3.87	0.103	0.03	3.76	2.7	<0.2	20	10	3.97	13.55	6.16	0.04	54.6	4.7	34
MMJNR099		2.62	1.450	0.43	1.86	1.5	1.7	<10	10	3.92	241	2.05	<0.01	21.1	15.2	15
MMJNR100		3.53	0.031	0.05	2.39	0.9	<0.2	10	10	2.43	8.70	4.55	<0.01	31.5	3.6	16
MMJNR101		3.67	4.10	0.62	1.40	2.8	4.2	<10	10	3.64	768	2.10	<0.01	24.2	7.3	14
MMJNR102		4.65	<0.005	<0.01	0.05	0.1	<0.2	<10	10	<0.05	0.76	>25.0	0.01	0.45	0.3	1
MMJNR103		0.04	1.220	0.43	1.80	6480	1.2	10	70	0.21	23.8	4.74	0.85	15.75	157.5	29
MMJNR104		5.02	0.179	0.02	3.06	7.4	0.2	20	20	3.18	20.7	8.19	0.04	44.9	2.7	24
MMJNR105		3.44	0.018	0.01	3.38	3.1	<0.2	30	20	2.70	4.34	7.77	0.05	40.7	2.7	22
MMJNR106		3.07	0.010	0.01	4.51	2.3	<0.2	20	20	2.48	2.35	6.55	0.14	34.2	2.5	22
MMJNR107		4.42	0.257	0.03	4.78	4.0	0.3	20	20	2.86	29.9	8.50	0.05	51.0	2.7	27
MMJNR108		1.92	3.29	0.42	3.11	16.5	3.4	<10	20	2.77	536	2.72	<0.01	46.9	6.7	21
MMJNR109		1.42	2.18	0.30	1.48	53.2	2.0	<10	20	2.21	338	0.47	<0.01	21.8	7.7	27
MMJNR110		3.22	0.201	0.23	0.23	76.7	0.2	<10	30	0.07	2.92	0.04	0.02	6.57	4.3	10
MMJNR111		1.46	0.024	0.41	0.28	316	<0.2	<10	30	0.12	1.39	0.02	0.17	19.30	0.9	11
MMJNR112		1.88	<0.005	0.21	1.29	19.0	<0.2	<10	20	0.19	0.40	0.04	0.25	6.09	9.1	14
MMJNR113		2.42	0.064	54.3	0.09	146.0	<0.2	<10	10	0.37	5.94	0.11	39.5	4.76	44.4	8
MMJNR114		1.76	0.013	0.17	0.33	519	<0.2	<10	20	0.10	0.29	0.02	0.16	24.9	1.9	14
JBJNR001		1.12	0.037	0.24	4.25	50.3	<0.2	<10	70	1.52	0.85	2.14	0.13	27.8	11.9	40
JBJNR002		1.03	<0.005	0.03	0.57	2.1	<0.2	<10	20	0.17	0.11	0.97	0.07	26.7	1.6	13
JBJNR003		1.53	<0.005	0.02	0.35	1.7	<0.2	<10	20	0.18	0.11	0.13	0.11	12.55	2.5	17
JBJNR004		0.38	<0.005	0.02	2.75	6.3	<0.2	<10	70	0.85	0.10	0.91	0.06	42.2	8.1	59
JBJNR005		1.24	<0.005	0.03	4.08	2.4	<0.2	<10	120	1.62	0.09	0.96	0.06	44.9	11.4	53
JBJNR006		0.77	0.311	0.37	0.09	>10000	0.3	80	20	0.12	5.50	0.01	0.02	11.60	6.1	11
JBJNR007		0.89	<0.005	0.01	0.60	76.0	<0.2	<10	<10	0.13	0.09	0.01	0.02	11.35	1.0	14
JBJNR008		1.79	<0.005	0.03	0.15	24.1	<0.2	<10	<10	0.06	0.08	0.01	0.03	4.69	1.5	14

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

ALS Minerals

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

Finalized Date: 25- AUG- 2014
Account: TELOEX

CERTIFICATE OF ANALYSIS WH14116725

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
MMJNR083		0.93	5.8	2.16	13.35	0.49	0.30	<0.01	0.163	0.02	14.7	9.8	0.10	683	14.90	0.18
MMJNR084		2.30	9.9	1.36	24.2	0.25	0.41	<0.01	0.044	0.20	31.8	16.5	0.32	291	24.4	0.52
MMJNR085		2.40	4.3	2.16	23.0	0.77	0.40	0.01	0.200	0.20	28.4	16.1	0.32	495	12.85	0.49
MMJNR086		1.33	5.8	1.20	22.2	0.33	0.94	<0.01	0.090	0.04	23.8	8.4	0.12	306	6.96	0.19
MMJNR087		3.77	19.5	1.68	21.9	0.56	0.72	<0.01	0.158	0.05	38.5	13.0	0.21	506	16.75	0.27
MMJNR088		2.56	7.4	1.43	28.3	0.46	0.47	<0.01	0.138	0.05	26.6	11.8	0.20	388	53.6	0.53
MMJNR089		3.52	4.8	0.76	28.3	0.20	0.44	<0.01	0.054	0.03	19.7	12.3	0.16	293	73.0	0.39
MMJNR090		2.63	247	8.28	21.2	0.16	0.61	<0.01	0.458	0.17	21.6	35.9	0.33	1620	26.1	0.08
MMJNR091		3.52	124.5	3.27	22.5	0.54	0.55	<0.01	0.229	0.04	27.2	24.0	0.26	901	25.7	0.15
MMJNR092		0.35	2.0	3.03	7.67	0.87	0.14	<0.01	0.442	0.03	3.4	5.9	0.07	1220	174.5	0.02
MMJNR093		0.47	1.8	4.14	12.80	1.58	0.76	<0.01	0.878	0.03	12.4	9.0	0.08	1520	46.7	0.03
MMJNR094		0.44	8.0	4.53	12.75	1.73	0.24	<0.01	1.370	0.05	3.7	4.3	0.08	1660	54.3	0.03
MMJNR095		0.69	15.5	4.04	10.35	1.11	0.21	<0.01	0.733	0.02	4.3	8.8	0.07	1620	12.15	0.02
MMJNR096		1.51	21.3	3.78	14.40	1.19	0.59	<0.01	0.513	0.14	24.1	17.6	0.19	1720	28.6	0.12
MMJNR097		2.05	34.9	5.19	15.30	0.97	0.65	<0.01	0.630	0.07	22.7	16.7	0.21	2380	46.2	0.08
MMJNR098		1.67	53.0	5.38	18.05	1.29	1.13	<0.01	0.592	0.07	33.1	22.0	0.28	2270	37.9	0.08
MMJNR099		0.97	450	9.52	21.9	1.71	0.49	<0.01	0.681	0.07	11.5	9.9	0.14	777	90.1	0.07
MMJNR100		0.51	89.4	4.90	15.65	1.62	0.52	<0.01	0.716	0.02	16.1	10.3	0.07	1460	45.3	0.04
MMJNR101		0.70	176.5	7.81	23.2	1.85	0.33	<0.01	0.856	0.11	13.0	9.6	0.09	1180	129.5	0.07
MMJNR102		<0.05	1.1	0.07	0.17	<0.05	<0.02	<0.01	<0.005	0.01	0.2	0.4	1.95	28	0.29	0.01
MMJNR103		1.00	120.5	3.97	4.81	0.11	0.23	0.01	0.110	0.14	10.1	13.6	0.46	746	9.26	0.16
MMJNR104		1.12	12.7	5.19	14.65	1.10	1.02	<0.01	1.025	0.03	28.7	12.1	0.18	2190	34.4	0.04
MMJNR105		1.34	7.8	5.26	16.15	1.46	0.82	<0.01	0.988	0.02	23.1	15.7	0.13	2150	51.4	0.02
MMJNR106		1.66	16.1	3.43	16.25	1.03	0.73	<0.01	0.491	0.03	19.8	16.5	0.11	1540	67.0	0.06
MMJNR107		1.17	12.3	4.66	16.45	1.26	1.11	<0.01	0.693	0.02	31.1	11.8	0.15	2230	31.7	0.06
MMJNR108		0.48	95.2	10.65	12.95	0.32	0.51	0.02	2.73	0.04	21.7	4.5	0.08	3340	64.3	0.07
MMJNR109		0.58	222	11.85	9.11	0.13	0.29	0.04	3.24	0.02	8.3	2.4	0.03	2310	53.3	0.02
MMJNR110		0.58	10.3	4.78	0.71	<0.05	0.09	0.42	0.030	0.10	2.8	0.7	0.01	90	0.69	<0.01
MMJNR111		0.53	12.5	2.22	0.92	<0.05	0.05	0.02	0.033	0.15	9.4	1.4	0.01	125	0.46	<0.01
MMJNR112		1.28	52.9	3.67	2.93	<0.05	0.07	<0.01	0.022	0.19	2.6	30.3	0.41	398	0.18	<0.01
MMJNR113		0.09	281	10.85	38.5	4.52	0.02	111.0	9.28	0.02	2.7	5.5	0.13	333	0.31	<0.01
MMJNR114		0.68	7.1	1.87	1.16	<0.05	0.11	0.21	0.022	0.13	11.1	3.1	0.04	198	0.27	0.03
JBJNR001		3.72	30.5	3.63	14.10	0.05	0.27	0.06	0.021	0.57	14.4	45.3	0.50	125	0.36	0.41
JBJNR002		0.33	3.8	1.49	2.14	<0.05	0.05	0.02	0.008	0.16	12.9	14.1	0.18	226	0.20	0.05
JBJNR003		1.38	8.6	1.20	1.28	<0.05	0.03	0.04	0.013	0.06	4.5	6.0	0.07	193	0.53	0.03
JBJNR004		6.41	18.1	3.03	9.46	0.08	0.11	0.01	0.026	0.55	20.9	116.0	0.81	342	5.66	0.21
JBJNR005		7.49	29.6	4.63	15.10	0.10	0.09	0.01	0.038	1.42	23.0	88.4	1.09	238	0.66	0.11
JBJNR006		0.12	35.3	3.35	0.69	<0.05	0.06	0.17	0.025	0.04	6.0	0.9	0.02	100	0.26	<0.01
JBJNR007		0.19	7.7	1.01	1.63	<0.05	0.05	0.01	0.006	0.03	5.3	2.8	0.01	64	0.12	<0.01
JBJNR008		0.10	7.1	2.05	0.69	<0.05	0.02	0.01	0.015	0.01	2.2	0.5	<0.01	198	0.33	<0.01

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

ALS Minerals

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

Finalized Date: 25- AUG- 2014
Account: TELOEX

CERTIFICATE OF ANALYSIS WH14116725

Sample Description	Method Analyte Units LOR	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
MMJNR083		1.06	3.8	300	1.6	1.9	0.001	<0.01	0.10	1.3	0.4	5.4	385	0.03	0.70	8.8
MMJNR084		0.70	11.5	320	1.6	22.0	0.001	0.01	0.08	3.6	0.9	5.1	814	0.01	0.03	19.9
MMJNR085		1.34	9.2	300	1.1	20.4	<0.001	<0.01	0.11	4.0	0.8	10.6	557	0.04	0.09	17.2
MMJNR086		0.57	4.7	200	1.1	1.9	<0.001	<0.01	0.14	2.4	0.7	7.8	770	0.01	0.29	17.7
MMJNR087		1.00	6.7	180	0.9	3.4	0.001	0.03	0.64	3.0	0.7	12.0	576	0.01	0.04	16.4
MMJNR088		1.04	7.5	210	2.1	2.9	0.014	<0.01	0.07	2.8	1.0	8.7	1110	0.02	0.35	20.9
MMJNR089		0.39	7.5	220	2.5	2.9	0.012	<0.01	0.08	2.6	0.7	4.7	1135	0.01	0.10	19.9
MMJNR090		0.57	17.6	440	55.1	15.4	<0.001	0.30	1.83	4.9	1.3	12.3	391	<0.01	0.56	15.2
MMJNR091		0.41	13.6	740	1.6	4.1	0.002	0.50	0.33	3.6	1.0	10.0	657	<0.01	1.41	18.4
MMJNR092		0.61	1.5	230	0.9	2.6	0.005	0.01	0.10	0.3	0.3	14.5	4.7	<0.01	0.34	1.3
MMJNR093		1.12	3.1	120	1.9	3.5	0.001	0.01	0.68	1.6	0.2	46.4	9.2	0.01	1.50	4.2
MMJNR094		0.87	1.6	260	1.1	4.4	0.004	0.01	0.49	0.6	<0.2	69.7	7.3	<0.01	1.19	1.3
MMJNR095		0.46	1.9	80	2.4	1.3	0.002	0.04	0.50	0.6	<0.2	31.5	5.6	<0.01	1.62	1.9
MMJNR096		1.22	7.3	330	5.8	11.5	0.002	0.06	0.82	3.1	0.5	16.7	196.5	0.03	0.04	8.7
MMJNR097		1.18	7.3	160	2.2	4.8	0.002	0.03	1.45	2.9	0.5	27.7	75.1	0.02	0.06	8.1
MMJNR098		1.50	7.7	170	1.7	4.3	0.001	0.03	1.49	5.2	0.6	36.5	49.9	0.02	0.18	13.1
MMJNR099		1.75	6.7	150	2.8	3.5	0.004	1.84	0.75	1.6	3.0	57.4	76.6	<0.01	3.08	4.8
MMJNR100		1.54	3.7	330	0.9	1.7	0.002	0.26	0.64	2.2	0.5	46.0	78.4	0.01	0.07	6.6
MMJNR101		1.22	4.2	260	2.1	3.4	0.011	0.75	3.87	1.4	1.9	56.9	14.0	<0.01	14.00	3.7
MMJNR102		0.10	<0.2	30	<0.2	0.2	0.001	0.10	<0.05	0.2	0.7	0.2	4670	<0.01	0.05	<0.2
MMJNR103		0.24	35.2	1010	19.4	5.8	0.045	0.63	8.98	3.2	10.6	2.2	137.5	<0.01	4.33	1.9
MMJNR104		1.25	6.5	210	1.1	4.8	0.002	<0.01	1.16	3.3	0.4	40.8	68.8	0.02	0.50	8.9
MMJNR105		1.10	6.2	300	0.9	4.2	0.001	<0.01	0.78	3.3	0.5	37.4	102.5	0.02	0.05	8.8
MMJNR106		1.10	6.0	260	1.0	4.3	0.002	0.01	0.48	2.8	0.4	19.9	297	0.02	0.02	10.0
MMJNR107		1.20	6.5	170	1.0	2.7	0.001	<0.01	1.07	3.6	0.5	24.1	230	0.02	0.86	11.7
MMJNR108		0.61	11.8	460	3.0	2.6	0.001	0.05	1.78	4.7	1.7	37.1	178.0	0.01	11.40	9.3
MMJNR109		0.28	7.6	240	2.4	1.7	0.001	0.05	3.28	6.5	1.2	54.5	42.7	<0.01	7.24	8.6
MMJNR110		0.10	5.3	20	5.7	5.2	<0.001	4.14	21.8	0.3	0.6	1.5	9.4	<0.01	0.06	1.6
MMJNR111		0.10	2.6	160	29.4	8.6	<0.001	0.01	2.65	0.5	0.2	1.1	7.4	<0.01	0.02	7.4
MMJNR112		0.07	9.2	110	16.0	12.3	<0.001	1.04	0.46	0.8	<0.2	1.9	2.6	<0.01	0.01	4.7
MMJNR113		0.07	1.9	450	6990	0.5	<0.001	0.01	31.2	0.8	4.4	15.2	6.3	<0.01	0.04	0.3
MMJNR114		0.08	4.7	80	52.2	5.9	<0.001	0.04	1.46	0.5	<0.2	0.2	8.4	<0.01	0.01	5.7
JBJNR001		0.34	31.8	410	32.8	59.9	0.001	1.46	2.28	5.0	0.6	1.3	172.0	<0.01	0.03	16.4
JBJNR002		0.08	4.0	110	8.5	10.4	<0.001	0.01	0.16	0.7	0.2	0.2	32.5	<0.01	<0.01	7.7
JBJNR003		0.19	6.4	320	3.1	7.5	<0.001	<0.01	0.15	1.1	0.2	0.3	7.6	<0.01	<0.01	4.2
JBJNR004		0.46	30.9	200	4.5	49.1	0.001	0.05	0.12	6.9	0.5	1.1	60.5	0.01	0.01	13.7
JBJNR005		0.50	41.8	580	2.8	114.5	<0.001	0.07	0.07	10.8	0.5	1.7	76.7	0.01	0.02	12.4
JBJNR006		0.14	3.6	80	14.0	1.5	<0.001	0.87	15.80	0.3	0.9	1.3	4.2	<0.01	0.85	2.4
JBJNR007		0.10	4.1	100	2.6	3.1	<0.001	<0.01	0.33	0.6	<0.2	0.6	2.2	<0.01	0.01	5.6
JBJNR008		0.10	4.9	30	3.4	1.0	<0.001	0.01	0.40	0.9	0.3	0.4	1.1	<0.01	<0.01	1.2

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ALS Minerals

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

Finalized Date: 25- AUG- 2014
Account: TELOEX

CERTIFICATE OF ANALYSIS WH14116725

Sample Description / Method / Analyte / Units / LOR	ME- MS41 Ti % 0.005	ME- MS41 Tl ppm 0.02	ME- MS41 U ppm 0.05	ME- MS41 V ppm 1	ME- MS41 W ppm 0.05	ME- MS41 Y ppm 0.05	ME- MS41 Zn ppm 2	ME- MS41 Zr ppm 0.5	As- OG46 As % 0.01	Zn- OG46 Zn % 0.001	W- XRF05 W ppm 10	Zn- VOL50 Zn % 0.01
MMJNR083	0.111	0.02	1.30	16	96.2	8.48	22	7.6				
MMJNR084	0.269	0.08	2.39	43	7.76	16.95	20	11.0				
MMJNR085	0.229	0.06	2.17	43	45.8	16.45	25	10.5				
MMJNR086	0.236	<0.02	2.27	31	28.3	14.50	13	31.2				
MMJNR087	0.214	0.02	2.71	38	139.0	15.60	17	23.6				
MMJNR088	0.238	<0.02	2.40	36	90.9	17.00	15	14.2				
MMJNR089	0.209	<0.02	1.96	33	118.5	13.75	10	13.3				
MMJNR090	0.106	0.09	1.83	35	130.0	11.85	48	20.5				
MMJNR091	0.148	0.03	2.89	34	176.5	12.65	27	17.9				
MMJNR092	0.021	0.04	1.62	3	760	3.49	50	5.3			860	
MMJNR093	0.085	0.03	1.98	14	380	6.63	48	28.2			440	
MMJNR094	0.032	0.06	2.22	6	1070	6.31	65	11.0			1140	
MMJNR095	0.034	0.03	2.09	6	430	3.71	28	7.7			510	
MMJNR096	0.140	0.06	2.13	24	72.6	9.14	33	22.4				
MMJNR097	0.124	0.06	2.67	26	320	9.41	63	25.1			380	
MMJNR098	0.183	0.04	2.80	40	148.5	9.93	46	42.3				
MMJNR099	0.075	0.06	1.48	19	690	6.88	23	15.6			750	
MMJNR100	0.093	0.02	2.51	20	165.0	6.89	24	20.5				
MMJNR101	0.062	0.05	1.26	17	620	7.07	32	13.3			650	
MMJNR102	<0.005	<0.02	1.29	1	1.62	0.51	<2	<0.5				
MMJNR103	0.091	0.06	2.21	51	3.08	7.63	90	8.6				
MMJNR104	0.134	0.03	3.91	26	107.5	8.47	51	40.6				
MMJNR105	0.127	0.02	3.24	26	123.0	7.81	48	33.1				
MMJNR106	0.136	0.02	3.03	27	149.5	6.63	45	26.9				
MMJNR107	0.176	0.02	4.30	33	129.0	8.37	38	43.6				
MMJNR108	0.084	0.22	3.37	28	116.5	15.95	64	18.4				
MMJNR109	0.021	0.57	2.26	41	96.0	8.83	72	11.7				
MMJNR110	<0.005	1.14	0.23	1	1.45	3.26	2	2.9				
MMJNR111	<0.005	0.13	0.32	2	0.98	1.22	17	1.9				
MMJNR112	<0.005	0.11	0.46	7	0.33	0.79	40	2.5				
MMJNR113	<0.005	0.05	9.80	10	0.43	5.69	>10000	0.6		>30.0		45.01
MMJNR114	<0.005	0.05	0.44	2	0.29	1.65	1210	4.1				
JBJNR001	0.110	0.43	1.45	36	0.50	7.00	151	9.7				
JBJNR002	<0.005	0.05	0.37	4	0.19	2.79	40	2.0				
JBJNR003	0.008	0.06	0.50	7	0.95	2.42	95	1.5				
JBJNR004	0.184	0.22	1.64	53	4.74	8.57	49	3.1				
JBJNR005	0.201	0.62	2.11	69	0.50	4.82	68	3.0				
JBJNR006	<0.005	0.48	0.15	1	0.28	1.34	7	2.0	1.21			
JBJNR007	<0.005	0.04	0.24	8	0.40	0.91	9	3.1				
JBJNR008	<0.005	0.02	0.09	5	0.23	0.96	14	0.8				

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

ALS Canada Ltd.
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ALS Minerals

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

Finalized Date: 25- AUG- 2014
Account: TELOEX

CERTIFICATE OF ANALYSIS WH14116725

Sample Description	Method	WEI- 21	Au- AA23	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
JBJNR009		1.50	<0.005	0.02	0.03	72.2	<0.2	<10	<10	<0.05	0.06	0.01	0.02	0.76	0.6	15
JBJNR010		0.51	<0.005	0.02	1.30	1.8	<0.2	<10	60	0.39	0.05	0.24	0.09	32.2	9.0	26
JBJNR011		1.90	<0.005	0.03	0.81	6.8	<0.2	<10	30	0.24	0.09	0.11	0.05	24.7	6.9	18
JBJNR012		1.55	<0.005	0.01	0.13	0.9	<0.2	<10	<10	<0.05	0.04	0.75	0.02	2.14	0.7	15
JBJNR013		2.37	<0.005	0.02	0.32	3.4	<0.2	<10	10	0.11	0.11	1.06	0.03	81.4	3.4	14
JBJNR014		1.89	<0.005	0.10	0.34	8.6	<0.2	<10	10	0.07	0.06	0.56	0.04	21.2	3.5	15
JBJNR015		1.61	<0.005	1.39	0.33	15.7	<0.2	<10	30	0.45	0.37	16.80	6.78	23.6	3.2	5
JBJNR016		0.74	<0.005	0.03	0.19	0.8	<0.2	<10	<10	0.05	0.03	1.56	0.06	10.10	1.6	10
JBJNR017		1.28	<0.005	0.02	0.31	3.5	<0.2	<10	20	0.14	0.07	7.24	0.02	27.0	4.5	8
JBJNR018		1.17	0.021	0.04	0.17	65.9	<0.2	<10	20	0.15	0.10	3.30	0.03	29.0	2.0	9
JBJNR019		1.09	0.119	0.32	0.19	59.4	<0.2	<10	20	0.06	0.56	0.04	0.01	18.90	0.6	11
JKJNR014		1.54	<0.005	0.08	0.56	28.0	<0.2	<10	40	0.15	0.42	0.43	0.06	26.3	4.3	21

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

Finalized Date: 25- AUG- 2014
Account: TELOEX

CERTIFICATE OF ANALYSIS WH14116725

Sample Description	Method / Analyte / Units / LOR	ME- MS41 Cs ppm 0.05	ME- MS41 Cu ppm 0.2	ME- MS41 Fe % 0.01	ME- MS41 Ga ppm 0.05	ME- MS41 Ge ppm 0.05	ME- MS41 Hf ppm 0.02	ME- MS41 Hg ppm 0.01	ME- MS41 In ppm 0.005	ME- MS41 K % 0.01	ME- MS41 La ppm 0.2	ME- MS41 Li ppm 0.1	ME- MS41 Mg % 0.01	ME- MS41 Mn ppm 5	ME- MS41 Mo ppm 0.05	ME- MS41 Na % 0.01
JBJNR009		<0.05	2.1	0.93	0.19	<0.05	<0.02	0.02	<0.005	<0.01	0.3	0.2	<0.01	78	0.21	<0.01
JBJNR010		0.88	17.7	2.95	4.18	0.05	0.11	<0.01	0.016	0.22	18.0	33.7	0.53	529	0.23	0.01
JBJNR011		0.33	9.5	2.58	2.45	<0.05	0.05	0.01	0.010	0.12	10.1	24.8	0.35	374	0.29	0.01
JBJNR012		0.11	1.7	1.16	0.58	<0.05	<0.02	0.01	0.005	0.01	0.9	4.6	0.05	187	0.20	<0.01
JBJNR013		0.25	5.5	2.15	1.66	0.09	0.13	0.01	0.008	0.05	41.3	17.3	0.11	271	0.33	0.01
JBJNR014		0.31	2.9	1.47	1.38	<0.05	0.10	0.01	0.012	0.05	10.3	8.8	0.10	381	0.19	0.04
JBJNR015		1.03	26.5	1.65	0.99	<0.05	0.10	0.05	0.089	0.17	11.0	1.9	0.13	1580	0.17	0.02
JBJNR016		0.13	3.4	1.03	0.87	<0.05	<0.02	<0.01	0.008	0.02	4.6	6.3	0.09	299	0.16	0.02
JBJNR017		0.34	2.5	1.69	1.19	<0.05	0.11	<0.01	0.057	0.09	12.6	6.8	0.13	463	0.25	0.03
JBJNR018		0.57	10.0	1.65	0.52	<0.05	0.07	0.01	0.010	0.07	13.7	3.5	0.09	464	0.20	0.01
JBJNR019		0.57	2.6	1.95	0.75	<0.05	0.06	0.85	0.038	0.12	8.6	0.7	0.01	100	0.31	<0.01
JKJNR014		0.61	102.0	2.45	2.92	<0.05	0.07	<0.01	0.072	0.08	12.1	16.9	0.27	174	0.16	0.05

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

Finalized Date: 25- AUG- 2014
Account: TELOEX

CERTIFICATE OF ANALYSIS WH14116725

Sample Description / Method / Analyte / Units / LOR	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
JBJNR009	0.07	1.9	80	3.4	0.3	<0.001	0.04	0.37	0.2	0.2	<0.2	1.4	<0.01	<0.01	0.2
JBJNR010	0.22	24.1	100	3.4	15.0	<0.001	<0.01	0.13	1.7	0.3	0.3	20.6	<0.01	<0.01	7.5
JBJNR011	0.16	17.2	60	6.6	6.9	<0.001	<0.01	0.23	0.8	0.3	0.2	13.4	<0.01	<0.01	4.1
JBJNR012	0.07	3.5	20	1.4	0.7	<0.001	<0.01	0.12	0.3	0.2	<0.2	54.2	<0.01	<0.01	0.4
JBJNR013	0.08	9.0	60	9.3	2.7	<0.001	<0.01	0.47	1.0	0.2	<0.2	103.5	<0.01	<0.01	4.3
JBJNR014	0.07	7.0	70	14.3	3.1	<0.001	0.02	0.81	1.0	0.3	<0.2	28.7	<0.01	<0.01	5.6
JBJNR015	0.08	8.1	110	466	9.9	<0.001	0.39	1.60	1.9	0.6	0.4	866	<0.01	<0.01	3.5
JBJNR016	0.07	4.3	100	6.4	0.9	<0.001	<0.01	0.22	0.9	0.2	<0.2	111.0	<0.01	<0.01	3.9
JBJNR017	0.07	7.6	100	7.6	4.3	<0.001	0.10	0.85	1.5	0.6	<0.2	539	<0.01	<0.01	6.5
JBJNR018	0.07	6.3	110	14.0	3.9	<0.001	0.10	0.89	0.9	0.4	<0.2	190.0	<0.01	<0.01	3.2
JBJNR019	0.07	2.5	170	10.4	6.7	<0.001	0.12	13.65	0.5	0.2	1.2	6.8	<0.01	<0.01	4.5
JKJNR014	0.26	9.9	100	4.8	5.7	<0.001	0.50	0.23	2.1	0.3	11.5	20.1	<0.01	<0.01	9.3

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

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

Finalized Date: 25- AUG- 2014
Account: TELOEX

CERTIFICATE OF ANALYSIS WH14116725

Sample Description	Method Analyte Units LOR	ME- MS41 Ti % 0.005	ME- MS41 Tl ppm 0.02	ME- MS41 U ppm 0.05	ME- MS41 V ppm 1	ME- MS41 W ppm 0.05	ME- MS41 Y ppm 0.05	ME- MS41 Zn ppm 2	ME- MS41 Zr ppm 0.5	As- OG46 As % 0.01	Zn- OG46 Zn % 0.001	W- XRF05 W ppm 10	Zn- VOL50 Zn % 0.01
JBJNR009		<0.005	0.18	<0.05	1	0.10	0.31	11	<0.5				
JBJNR010		0.027	0.09	0.49	14	0.08	3.95	53	4.2				
JBJNR011		0.017	0.06	0.40	7	0.06	2.85	52	2.1				
JBJNR012		<0.005	<0.02	0.06	1	0.05	1.76	14	<0.5				
JBJNR013		<0.005	0.02	0.38	4	<0.05	5.48	25	5.4				
JBJNR014		<0.005	0.03	0.32	4	<0.05	2.41	18	3.3				
JBJNR015		<0.005	0.07	0.44	3	0.07	8.69	1040	3.9				
JBJNR016		<0.005	<0.02	0.27	3	<0.05	3.02	20	0.5				
JBJNR017		<0.005	0.03	0.46	3	<0.05	9.23	10	4.4				
JBJNR018		<0.005	0.03	0.36	1	<0.05	5.49	25	2.3				
JBJNR019		<0.005	0.43	0.29	2	0.25	2.81	5	1.9				
JKJNR014		0.030	0.04	0.53	11	0.16	5.96	14	1.6				

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

ALS Minerals

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

Finalized Date: 25- AUG- 2014
Account: TELOEX

CERTIFICATE OF ANALYSIS WH14116725

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:

As- OG46	Au- AA23	ME- MS41	ME- OG46
W- XRF05	Zn- OG46	Zn- VOL50	

ALS Minerals
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44 - 12TH AVENUE SOUTH
SUITE 200
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Finalized Date: 25- AUG- 2014
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QC CERTIFICATE WH14116725

P.O. No.: JN14- 002
This report is for 92 Rock samples submitted to our lab in Whitehorse, YT, Canada on 2- AUG- 2014.

The following have access to data associated with this certificate:

JESSE CAMPBELL	CHRIS GALLAGHER	MIKE MCCUAIG

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Zn- OG46	Ore Grade Zn - Aqua Regia	VARIABLE
Au- AA23	Au 30g FA- AA finish	AAS
W- XRF05	Trace Level W XRF Analysis	XRF
As- OG46	Ore Grade As - Aqua Regia	VARIABLE
Zn- VOL50	Zn by titration	
ME- MS41	51 anal. aqua regia ICPMS	

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

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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ALS Minerals

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

Finalized Date: 25- AUG- 2014
Account: TELOEX

QC CERTIFICATE OF ANALYSIS WH14116725

Sample Description / Method / Analyte / Units / LOR	Au- AA23 Au ppm 0.005	ME- MS41 Ag ppm 0.01	ME- MS41 Al % 0.01	ME- MS41 As ppm 0.1	ME- MS41 Au ppm 0.2	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
STANDARDS															
BP- 13	0.364														
BP- 13	0.350														
Target Range - Lower Bound	0.332														
Upper Bound	0.384														
CCU- 1d															
Target Range - Lower Bound															
Upper Bound															
CD- 1															
Target Range - Lower Bound															
Upper Bound															
CDN- GS- P8C	0.793														
Target Range - Lower Bound	0.732														
Upper Bound	0.836														
CZN- 4															
Target Range - Lower Bound															
Upper Bound															
GBM903- 13															
Target Range - Lower Bound															
Upper Bound															
GBM908- 10		3.05	1.04	57.4	0.4	<10	110	0.32	1.19	0.75	1.78	96.5	14.8	24	0.83
GBM908- 10		2.95	1.03	57.9	0.5	<10	110	0.30	1.37	0.75	1.74	90.1	14.7	24	0.80
GBM908- 10		3.10	0.96	59.3	0.5	<10	110	0.32	1.16	0.71	1.75	96.9	15.4	23	0.82
GBM908- 10		3.08	1.03	58.0	0.4	<10	110	0.31	1.20	0.73	1.65	91.5	14.4	24	0.76
Target Range - Lower Bound		2.69	0.85	49.4	<0.2	<10	70	0.17	1.09	0.62	1.52	79.3	12.9	20	0.66
Upper Bound		3.31	1.06	60.6	0.9	30	140	0.40	1.35	0.79	1.88	97.0	15.9	27	0.94
GBM908- 5		63.6	1.21	6.5	<0.2	<10	210	0.38	0.80	0.77	0.15	198.0	10.9	19	1.15
Target Range - Lower Bound		52.4	1.02	5.8	<0.2	<10	160	0.30	0.79	0.63	0.12	170.5	9.4	15	0.98
Upper Bound		64.0	1.26	7.4	0.6	30	230	0.54	0.98	0.79	0.17	208	11.7	20	1.31
MRGeo08		4.46	2.64	31.3	<0.2	<10	440	0.82	0.64	1.06	2.30	76.2	18.0	90	10.50
MRGeo08		4.05	2.81	30.0	<0.2	<10	480	0.79	0.63	1.17	2.07	68.6	17.8	100	10.35
MRGeo08		4.54	2.70	33.4	<0.2	<10	460	0.92	0.73	1.14	2.35	79.3	19.4	95	11.20
MRGeo08		4.51	2.75	31.8	<0.2	<10	470	0.80	0.68	1.08	2.15	74.6	19.0	93	10.60
Target Range - Lower Bound		4.00	2.44	28.9	<0.2	<10	370	0.66	0.62	1.00	2.01	66.7	17.5	81	9.85
Upper Bound		4.92	3.00	35.5	0.6	20	530	0.94	0.78	1.24	2.47	81.5	21.6	102	12.15

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

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

Finalized Date: 25- AUG- 2014
Account: TELOEX

QC CERTIFICATE OF ANALYSIS WH14116725

Sample Description / Method / Analyte / Units / LOR	ME- MS41 Cu ppm 0.2	ME- MS41 Fe % 0.01	ME- MS41 Ga ppm 0.05	ME- MS41 Ge ppm 0.05	ME- MS41 Hf ppm 0.02	ME- MS41 Hg ppm 0.01	ME- MS41 In ppm 0.005	ME- MS41 K % 0.01	ME- MS41 La ppm 0.2	ME- MS41 Li ppm 0.1	ME- MS41 Mg % 0.01	ME- MS41 Mn ppm 5	ME- MS41 Mo ppm 0.05	ME- MS41 Na % 0.01	ME- MS41 Nb ppm 0.05
STANDARDS															
BP- 13															
BP- 13															
Target Range - Lower Bound															
Upper Bound															
CCU- 1d															
Target Range - Lower Bound															
Upper Bound															
CD- 1															
Target Range - Lower Bound															
Upper Bound															
CDN- GS- P8C															
Target Range - Lower Bound															
Upper Bound															
CZN- 4															
Target Range - Lower Bound															
Upper Bound															
GBM903- 13															
Target Range - Lower Bound															
Upper Bound															
GBM908- 10	3650	2.76	5.08	0.15	0.75	0.01	0.026	0.44	50.9	6.3	0.56	304	67.5	0.13	0.41
GBM908- 10	3610	2.77	4.80	0.12	0.63	0.01	0.023	0.44	47.5	5.9	0.56	308	65.5	0.13	0.39
GBM908- 10	3700	2.73	4.88	0.13	0.68	0.01	0.027	0.44	51.5	6.7	0.55	299	64.3	0.13	0.47
GBM908- 10	3900	2.83	4.67	0.13	0.70	0.01	0.025	0.45	48.6	6.1	0.57	316	64.9	0.14	0.42
Target Range - Lower Bound	3380	2.35	4.18	0.09	0.62	<0.01	0.012	0.37	43.2	5.6	0.47	259	57.9	0.09	0.38
Upper Bound	3880	2.89	5.22	0.31	0.80	0.04	0.034	0.48	53.2	7.1	0.59	327	70.9	0.15	0.63
GBM908- 5	513	2.46	6.22	0.16	0.34	0.02	0.017	0.89	107.5	10.1	0.82	370	52.8	0.03	0.91
Target Range - Lower Bound	465	2.13	5.31	0.08	0.29	<0.01	<0.005	0.73	91.9	9.4	0.68	315	49.5	0.02	0.89
Upper Bound	535	2.62	6.60	0.30	0.41	0.05	0.026	0.91	112.5	11.7	0.86	396	60.6	0.06	1.20
MRGeo08	604	3.49	9.63	0.20	0.73	0.06	0.167	1.24	37.9	30.7	1.14	401	14.75	0.32	1.03
MRGeo08	668	3.80	9.00	0.15	0.76	0.06	0.144	1.33	33.7	30.3	1.24	446	13.95	0.35	0.95
MRGeo08	647	3.76	9.84	0.16	0.75	0.06	0.165	1.32	39.4	36.0	1.22	436	14.40	0.34	0.86
MRGeo08	642	3.67	9.30	0.14	0.68	0.06	0.161	1.30	37.6	32.3	1.20	426	13.90	0.36	0.87
Target Range - Lower Bound	587	3.22	8.89	0.10	0.67	0.04	0.142	1.12	33.2	30.2	1.03	378	13.10	0.30	0.79
Upper Bound	675	3.96	10.95	0.32	0.87	0.10	0.184	1.40	41.0	37.2	1.29	473	16.10	0.39	1.09

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

ALS Minerals

ALS Canada Ltd.

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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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

Finalized Date: 25- AUG- 2014
Account: TELOEX

QC CERTIFICATE OF ANALYSIS WH14116725

Sample Description	Method / Analyte / Units / LOR	ME- MS41 Ni ppm 0.2	ME- MS41 P ppm 10	ME- MS41 Pb ppm 0.2	ME- MS41 Rb ppm 0.1	ME- MS41 Re ppm 0.001	ME- MS41 S % 0.01	ME- MS41 Sb ppm 0.05	ME- MS41 Sc ppm 0.1	ME- MS41 Se ppm 0.2	ME- MS41 Sn ppm 0.2	ME- MS41 Sr ppm 0.2	ME- MS41 Ta ppm 0.01	ME- MS41 Te ppm 0.01	ME- MS41 Th ppm 0.2	ME- MS41 Ti % 0.005
							STANDARDS									
BP- 13																
BP- 13																
Target Range - Lower Bound																
Upper Bound																
CCU- 1d																
Target Range - Lower Bound																
Upper Bound																
CD- 1																
Target Range - Lower Bound																
Upper Bound																
CDN- GS- P8C																
Target Range - Lower Bound																
Upper Bound																
CZN- 4																
Target Range - Lower Bound																
Upper Bound																
GBM903- 13																
Target Range - Lower Bound																
Upper Bound																
GBM908- 10		2300	880	2130	30.6	<0.001	0.39	1.38	2.2	1.1	1.9	39.3	<0.01	0.05	17.3	0.333
GBM908- 10		2320	900	2160	28.7	0.001	0.40	1.27	2.1	1.1	1.6	35.6	<0.01	0.04	17.0	0.329
GBM908- 10		2300	880	2110	31.8	<0.001	0.38	1.25	2.2	1.4	1.8	37.0	<0.01	0.04	17.7	0.313
GBM908- 10		2400	910	2180	29.7	<0.001	0.41	1.33	2.1	1.2	1.7	35.1	<0.01	0.05	16.3	0.337
Target Range - Lower Bound		2030	760	1860	26.4	<0.001	0.33	1.06	1.8	0.5	1.2	30.8	<0.01	0.02	15.2	0.276
Upper Bound		2480	960	2270	32.4	0.003	0.43	1.55	2.4	1.3	2.2	38.0	0.03	0.07	19.0	0.348
GBM908- 5		464	1350	400	60.9	<0.001	0.17	0.15	1.6	1.4	1.7	58.0	0.01	0.04	41.6	0.182
Target Range - Lower Bound		381	1140	345	50.8	<0.001	0.14	<0.05	1.3	0.5	1.1	47.3	<0.01	0.02	34.4	0.146
Upper Bound		466	1410	422	62.3	0.003	0.20	0.25	1.9	1.4	2.0	58.2	0.03	0.07	42.4	0.189
MRGeo08		683	990	1040	140.0	0.006	0.30	3.42	7.1	1.7	3.5	79.3	0.01	0.02	21.4	0.377
MRGeo08		746	1100	1135	136.0	0.007	0.34	2.76	7.2	1.5	3.1	78.4	0.01	0.02	20.3	0.407
MRGeo08		728	1060	1115	154.0	0.009	0.31	3.01	8.4	1.7	3.4	83.0	0.01	0.02	23.0	0.397
MRGeo08		721	1030	1100	144.5	0.007	0.32	3.50	7.6	1.6	3.1	79.2	0.01	0.01	21.2	0.397
Target Range - Lower Bound		622	900	959	132.0	0.007	0.27	2.80	6.8	0.9	2.8	73.2	<0.01	<0.01	19.5	0.350
Upper Bound		760	1130	1175	162.0	0.011	0.36	3.90	8.6	1.9	4.0	89.9	0.04	0.04	24.3	0.439

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

Finalized Date: 25- AUG- 2014
Account: TELOEX

QC CERTIFICATE OF ANALYSIS WH14116725

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	As- OG46	Zn- OG46	W- XRF05	Zn- VOL50
	Analyte	Tl	U	V	W	Y	Zn	Zr	As	Zn	W	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	%
	LOR	0.02	0.05	1	0.05	0.05	2	0.5	0.01	0.001	10	0.01
STANDARDS												
BP- 13												
BP- 13												
Target Range - Lower Bound												
Upper Bound												
CCU- 1d									0.06	2.55		
Target Range - Lower Bound									0.04	2.54		
Upper Bound									0.07	2.72		
CD- 1									0.70	0.013		
Target Range - Lower Bound									0.65			
Upper Bound									0.72			
CDN- GS- P8C												
Target Range - Lower Bound												
Upper Bound												
CZN- 4												55.28
Target Range - Lower Bound												53.27
Upper Bound												57.21
GBM903- 13									0.03	0.925		
Target Range - Lower Bound									<0.01	0.901		
Upper Bound									0.05	0.968		
GBM908- 10		0.26	1.38	50	1.94	21.2	1020	30.5				
GBM908- 10		0.21	1.35	50	1.96	20.1	1050	26.3				
GBM908- 10		0.23	1.31	48	2.06	21.4	1040	30.3				
GBM908- 10		0.21	1.27	51	4.73	20.7	1060	29.9				
Target Range - Lower Bound		0.15	1.15	41	1.57	17.55	939	24.0				
Upper Bound		0.27	1.51	53	2.24	21.6	1155	33.6				
GBM908- 5		0.40	3.04	28	2.33	30.5	239	9.8				
Target Range - Lower Bound		0.31	2.64	22	1.75	25.4	214	6.8				
Upper Bound		0.47	3.34	29	2.48	31.1	266	10.5				
MRGeo08		0.79	5.37	99	2.89	19.05	745	21.8				
MRGeo08		0.71	5.11	109	2.51	18.20	817	21.0				
MRGeo08		0.80	5.84	105	3.00	21.3	824	23.8				
MRGeo08		0.73	5.66	104	2.76	19.65	802	22.3				
Target Range - Lower Bound		0.66	4.99	90	2.44	17.85	708	18.1				
Upper Bound		0.94	6.21	112	3.42	21.9	870	25.7				

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

Finalized Date: 25- AUG- 2014
Account: TELOEX

QC CERTIFICATE OF ANALYSIS WH14116725

Sample Description	Method Analyte Units LOR	Au- AA23 Au ppm 0.005	ME- MS41 Ag ppm 0.01	ME- MS41 Al % 0.01	ME- MS41 As ppm 0.1	ME- MS41 Au ppm 0.2	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
STANDARDS																
NCSDC70006																
Target Range - Lower Bound																
Upper Bound																
OREAS 90			0.04	2.31	4.7	<0.2	<10	50	0.58	0.90	0.38	0.02	61.3	14.4	40	0.93
Target Range - Lower Bound			0.03	2.09	4.1	<0.2	<10	30	0.48	0.82	0.33	<0.01	54.5	13.7	35	0.86
Upper Bound			0.07	2.57	5.2	0.4	20	80	0.74	1.02	0.43	0.03	66.7	16.9	45	1.16
OREAS- 133b																
Target Range - Lower Bound																
Upper Bound																
OREAS- 134b																
Target Range - Lower Bound																
Upper Bound																
OREAS- 62c		8.93														
Target Range - Lower Bound		8.26														
Upper Bound		9.32														
OxJ111		2.18														
OxJ111		2.11														
Target Range - Lower Bound		2.03														
Upper Bound		2.30														
PB- 105																
Target Range - Lower Bound																
Upper Bound																
TILL- 4																
Target Range - Lower Bound																
Upper Bound																
TLG- 1																
Target Range - Lower Bound																
Upper Bound																

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CRANBROOK BC V1C 2R7

Finalized Date: 25- AUG- 2014
Account: TELOEX

QC CERTIFICATE OF ANALYSIS WH14116725

Sample Description / Method / Analyte / Units / LOR	ME- MS41 Cu ppm 0.2	ME- MS41 Fe % 0.01	ME- MS41 Ga ppm 0.05	ME- MS41 Ge ppm 0.05	ME- MS41 Hf ppm 0.02	ME- MS41 Hg ppm 0.01	ME- MS41 In ppm 0.005	ME- MS41 K % 0.01	ME- MS41 La ppm 0.2	ME- MS41 Li ppm 0.1	ME- MS41 Mg % 0.01	ME- MS41 Mn ppm 5	ME- MS41 Mo ppm 0.05	ME- MS41 Na % 0.01	ME- MS41 Nb ppm 0.05
STANDARDS															
NCSDC70006															
Target Range - Lower Bound															
Upper Bound															
OREAS 90	105.0	3.70	5.92	0.08	0.66	<0.01	0.027	0.35	30.4	19.4	1.36	589	0.32	0.01	0.41
Target Range - Lower Bound	102.0	3.39	5.78	<0.05	0.61	<0.01	0.016	0.31	27.9	17.8	1.21	515	0.28	<0.01	0.27
Upper Bound	118.0	4.17	7.17	0.19	0.79	0.02	0.038	0.40	34.5	22.0	1.50	641	0.52	0.04	0.51
OREAS- 133b															
Target Range - Lower Bound															
Upper Bound															
OREAS- 134b															
Target Range - Lower Bound															
Upper Bound															
OREAS- 62c															
Target Range - Lower Bound															
Upper Bound															
OxJ111															
OxJ111															
Target Range - Lower Bound															
Upper Bound															
PB- 105															
Target Range - Lower Bound															
Upper Bound															
TILL- 4															
Target Range - Lower Bound															
Upper Bound															
TLG- 1															
Target Range - Lower Bound															
Upper Bound															

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CRANBROOK BC V1C 2R7

Finalized Date: 25- AUG- 2014
Account: TELOEX

QC CERTIFICATE OF ANALYSIS WH14116725

Sample Description	Method / Analyte / Units / LOR	ME- MS41 Ni ppm 0.2	ME- MS41 P ppm 10	ME- MS41 Pb ppm 0.2	ME- MS41 Rb ppm 0.1	ME- MS41 Re ppm 0.001	ME- MS41 S % 0.01	ME- MS41 Sb ppm 0.05	ME- MS41 Sc ppm 0.1	ME- MS41 Se ppm 0.2	ME- MS41 Sn ppm 0.2	ME- MS41 Sr ppm 0.2	ME- MS41 Ta ppm 0.01	ME- MS41 Te ppm 0.01	ME- MS41 Th ppm 0.2	ME- MS41 Ti % 0.005
STANDARDS																
NCSDC70006																
Target Range - Lower Bound																
Upper Bound																
OREAS 90		81.7	650	5.0	19.7	<0.001	0.07	0.34	2.1	1.1	1.2	11.0	0.01	0.02	16.6	0.090
Target Range - Lower Bound		76.5	570	4.8	18.0	<0.001	0.05	0.31	2.1	0.4	0.8	10.5	<0.01	<0.01	14.3	0.070
Upper Bound		93.9	720	6.3	22.3	0.002	0.09	0.60	2.7	1.3	1.8	13.3	0.04	0.05	17.9	0.098
OREAS- 133b																
Target Range - Lower Bound																
Upper Bound																
OREAS- 134b																
Target Range - Lower Bound																
Upper Bound																
OREAS- 62c																
Target Range - Lower Bound																
Upper Bound																
OxJ111																
OxJ111																
Target Range - Lower Bound																
Upper Bound																
PB- 105																
Target Range - Lower Bound																
Upper Bound																
TILL- 4																
Target Range - Lower Bound																
Upper Bound																
TLG- 1																
Target Range - Lower Bound																
Upper Bound																

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CRANBROOK BC V1C 2R7

Finalized Date: 25- AUG- 2014
Account: TELOEX

QC CERTIFICATE OF ANALYSIS WH14116725

Sample Description	Method / Analyte / Units / LOR	ME- MS41 Tl ppm 0.02	ME- MS41 U ppm 0.05	ME- MS41 V ppm 1	ME- MS41 W ppm 0.05	ME- MS41 Y ppm 0.05	ME- MS41 Zn ppm 2	ME- MS41 Zr ppm 0.5	As- OG46 As % 0.01	Zn- OG46 Zn % 0.001	W- XRF05 W ppm 10	Zn- VOL50 Zn % 0.01
STANDARDS												
NCSDC70006									<0.01	0.007		
Target Range - Lower Bound												
Upper Bound												
OREAS 90		0.11	2.10	21	0.38	17.15	56	25.7				
Target Range - Lower Bound		0.06	1.81	19	0.28	15.40	51	20.6				
Upper Bound		0.16	2.33	25	0.56	18.90	66	29.1				
OREAS- 133b									0.02	11.15		
Target Range - Lower Bound									<0.01	10.65		
Upper Bound									0.03	11.60		
OREAS- 134b									0.02	18.00		
Target Range - Lower Bound									<0.01	17.05		
Upper Bound									0.04	18.30		
OREAS- 62c												
Target Range - Lower Bound												
Upper Bound												
OxJ111												
OxJ111												
Target Range - Lower Bound												
Upper Bound												
PB- 105									0.25	5.54		
Target Range - Lower Bound										5.37		
Upper Bound										5.77		
TILL- 4											190	
Target Range - Lower Bound											170	
Upper Bound											230	
TLC- 1											820	
Target Range - Lower Bound											740	
Upper Bound											920	

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QC CERTIFICATE OF ANALYSIS WH14116725

Sample Description / Method	Au- AA23	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
Analyte	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
LOR	0.005	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
BLANKS															
BLANK	<0.005														
BLANK	<0.005														
BLANK	<0.005														
Target Range - Lower Bound	<0.005														
Upper Bound	0.010														
BLANK		<0.01	<0.01	0.1	<0.2	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
BLANK		<0.01	<0.01	<0.1	<0.2	<10	<10	<0.05	0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
BLANK		<0.01	<0.01	<0.1	<0.2	<10	<10	<0.05	<0.01	<0.01	0.01	<0.02	<0.1	<1	<0.05
BLANK		<0.01	<0.01	0.1	<0.2	<10	<10	<0.05	0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
BLANK		<0.01	<0.01	0.1	<0.2	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
Target Range - Lower Bound		<0.01	<0.01	<0.1	<0.2	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
Upper Bound		0.02	0.02	0.2	0.4	20	20	0.10	0.02	0.02	0.02	0.04	0.2	2	0.10
BLANK															
Target Range - Lower Bound															
Upper Bound															
BLANK															
Target Range - Lower Bound															
Upper Bound															
DUPLICATES															
ORIGINAL	<0.005														
DUP	<0.005														
Target Range - Lower Bound	<0.005														
Upper Bound	0.010														
ORIGINAL	0.022														
DUP	0.010														
Target Range - Lower Bound	0.010														
Upper Bound	0.022														
ORIGINAL	<0.005														
DUP	<0.005														
Target Range - Lower Bound	<0.005														
Upper Bound	0.010														

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

Finalized Date: 25- AUG- 2014
Account: TELOEX

QC CERTIFICATE OF ANALYSIS WH14116725

Sample Description	Method / Analyte / Units / LOR	ME- MS41 Cu ppm 0.2	ME- MS41 Fe % 0.01	ME- MS41 Ga ppm 0.05	ME- MS41 Ge ppm 0.05	ME- MS41 Hf ppm 0.02	ME- MS41 Hg ppm 0.01	ME- MS41 In ppm 0.005	ME- MS41 K % 0.01	ME- MS41 La ppm 0.2	ME- MS41 Li ppm 0.1	ME- MS41 Mg % 0.01	ME- MS41 Mn ppm 5	ME- MS41 Mo ppm 0.05	ME- MS41 Na % 0.01	ME- MS41 Nb ppm 0.05
BLANKS																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	0.1	<0.01	<5	<0.05	<0.01	<0.05
BLANK		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	0.06
BLANK		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	0.06
BLANK		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	0.06
BLANK		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05
Target Range - Lower Bound		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05
Upper Bound		0.4	0.02	0.10	0.10	0.04	0.02	0.010	0.02	0.4	0.2	0.02	10	0.10	0.02	0.10
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
Target Range - Lower Bound																
Upper Bound																
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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

ALS Canada Ltd.

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

Finalized Date: 25- AUG- 2014
Account: TELOEX

QC CERTIFICATE OF ANALYSIS WH14116725

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

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ALS Minerals

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

Finalized Date: 25- AUG- 2014
Account: TELOEX

QC CERTIFICATE OF ANALYSIS WH14116725

Sample Description	Method / Analyte / Units / LOR	ME- MS41 Tl ppm 0.02	ME- MS41 U ppm 0.05	ME- MS41 V ppm 1	ME- MS41 W ppm 0.05	ME- MS41 Y ppm 0.05	ME- MS41 Zn ppm 2	ME- MS41 Zr ppm 0.5	As- OG46 As % 0.01	Zn- OG46 Zn % 0.001	W- XRF05 W ppm 10	Zn- VOL50 Zn % 0.01
BLANKS												
BLANK												
BLANK												
BLANK												
Target Range -	Lower Bound											
	Upper Bound											
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5				
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5				
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5				
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5				
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5				
Target Range -	Lower Bound	<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5				
	Upper Bound	0.04	0.10	2	0.10	0.10	4	1.0				
BLANK											<10	
Target Range -	Lower Bound										<10	
	Upper Bound										20	
BLANK									<0.01	0.001		
Target Range -	Lower Bound								<0.01	<0.001		
	Upper Bound								0.02	0.002		
DUPLICATES												
ORIGINAL												
DUP												
Target Range -	Lower Bound											
	Upper Bound											
ORIGINAL												
DUP												
Target Range -	Lower Bound											
	Upper Bound											
ORIGINAL												
DUP												
Target Range -	Lower Bound											
	Upper Bound											

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Finalized Date: 25- AUG- 2014
Account: TELOEX

QC CERTIFICATE OF ANALYSIS WH14116725

Sample Description	Method / Analyte / Units / LOR	Au- AA23 Au ppm 0.005	ME- MS41 Ag ppm 0.01	ME- MS41 Al % 0.01	ME- MS41 As ppm 0.1	ME- MS41 Au ppm 0.2	ME- MS41 B ppm 10	ME- MS41 Ba ppm 10	ME- MS41 Be ppm 0.05	ME- MS41 Bi ppm 0.01	ME- MS41 Ca % 0.01	ME- MS41 Cd ppm 0.01	ME- MS41 Ce ppm 0.02	ME- MS41 Co ppm 0.1	ME- MS41 Cr ppm 1	ME- MS41 Cs ppm 0.05
DUPLICATES																
ORIGINAL			0.07	0.98	6.4	<0.2	10	120	0.45	0.14	9.57	0.31	25.6	3.7	10	1.38
DUP			0.06	0.93	6.6	<0.2	10	110	0.48	0.15	9.10	0.31	26.1	3.8	10	1.44
Target Range - Lower Bound			0.05	0.90	6.1	<0.2	<10	100	0.39	0.13	8.86	0.28	24.5	3.5	9	1.29
Upper Bound			0.08	1.01	6.9	0.4	20	130	0.54	0.16	9.81	0.34	27.2	4.0	12	1.53
ORIGINAL		0.196														
DUP		0.191														
Target Range - Lower Bound		0.179														
Upper Bound		0.208														
ORIGINAL		0.358														
DUP		0.343														
Target Range - Lower Bound		0.328														
Upper Bound		0.373														
ORIGINAL		0.082														
DUP		0.087														
Target Range - Lower Bound		0.075														
Upper Bound		0.094														
ORIGINAL			0.40	1.24	1.3	0.2	<10	130	0.55	1.07	1.66	0.09	39.8	17.4	140	1.68
DUP			0.39	1.17	2.1	<0.2	<10	120	0.51	1.05	1.56	0.11	36.8	17.2	130	1.58
Target Range - Lower Bound			0.37	1.13	1.5	<0.2	<10	110	0.45	1.00	1.52	0.09	36.4	16.3	127	1.50
Upper Bound			0.42	1.28	1.9	0.4	20	140	0.61	1.12	1.70	0.12	40.2	18.3	143	1.76
MMJNR059			0.01	1.09	0.4	<0.2	<10	150	0.52	3.53	0.26	0.02	40.3	3.4	9	3.07
DUP			0.01	1.08	0.7	<0.2	<10	150	0.54	4.04	0.26	0.02	43.9	3.5	9	3.38
Target Range - Lower Bound			<0.01	1.02	0.4	<0.2	<10	130	0.45	3.59	0.24	<0.01	40.0	3.2	8	3.01
Upper Bound			0.02	1.15	0.7	0.4	20	170	0.61	3.98	0.28	0.03	44.2	3.7	10	3.44
MMJNR068		0.084														
DUP		0.080														
Target Range - Lower Bound		0.073														
Upper Bound		0.091														
MMJNR088		0.090														
DUP		0.089														
Target Range - Lower Bound		0.080														
Upper Bound		0.099														

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

Finalized Date: 25- AUG- 2014
Account: TELOEX

QC CERTIFICATE OF ANALYSIS WH14116725

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
DUPLICATES																
ORIGINAL		8.4	1.44	2.74	0.06	0.05	0.01	0.014	0.35	13.3	11.4	0.79	350	0.65	0.04	0.88
DUP		8.7	1.37	2.81	0.06	0.05	0.01	0.015	0.33	13.4	11.7	0.75	331	0.69	0.03	0.97
Target Range - Lower Bound		8.1	1.32	2.59	<0.05	0.03	<0.01	0.009	0.31	12.5	10.9	0.72	318	0.59	0.02	0.83
Upper Bound		9.0	1.49	2.96	0.10	0.07	0.02	0.020	0.37	14.2	12.2	0.82	363	0.75	0.05	1.02
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		35.8	3.00	6.31	0.12	0.78	<0.01	0.013	0.83	19.7	14.6	1.31	394	23.1	0.02	0.10
DUP		40.0	2.87	6.05	0.11	0.72	0.01	0.015	0.78	18.2	14.1	1.23	371	23.2	0.02	0.09
Target Range - Lower Bound		36.4	2.78	5.82	0.06	0.69	<0.01	0.008	0.75	17.8	13.5	1.20	358	21.9	<0.01	<0.05
Upper Bound		39.4	3.09	6.54	0.17	0.81	0.02	0.020	0.86	20.1	15.2	1.34	407	24.4	0.03	0.10
MMJNR059		9.6	2.14	6.44	0.10	0.18	0.01	0.009	0.54	19.4	34.2	0.33	349	8.92	0.12	0.89
DUP		9.8	2.12	6.68	0.09	0.20	0.02	0.011	0.53	20.8	36.8	0.32	339	9.55	0.11	0.95
Target Range - Lower Bound		9.2	2.01	6.18	<0.05	0.16	<0.01	<0.005	0.50	18.9	33.6	0.30	322	8.72	0.10	0.82
Upper Bound		10.2	2.25	6.94	0.10	0.22	0.02	0.016	0.57	21.3	37.4	0.35	366	9.75	0.13	1.02
MMJNR068																
DUP																
Target Range - Lower Bound																
Upper Bound																
MMJNR088																
DUP																
Target Range - Lower Bound																
Upper Bound																

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

Finalized Date: 25- AUG- 2014
Account: TELOEX

QC CERTIFICATE OF ANALYSIS WH14116725

Sample Description	Method / Analyte / Units / LOR	ME- MS41 Ni ppm 0.2	ME- MS41 P ppm 10	ME- MS41 Pb ppm 0.2	ME- MS41 Rb ppm 0.1	ME- MS41 Re ppm 0.001	ME- MS41 S % 0.01	ME- MS41 Sb ppm 0.05	ME- MS41 Sc ppm 0.1	ME- MS41 Se ppm 0.2	ME- MS41 Sn ppm 0.2	ME- MS41 Sr ppm 0.2	ME- MS41 Ta ppm 0.01	ME- MS41 Te ppm 0.01	ME- MS41 Th ppm 0.2	ME- MS41 Ti % 0.005
								DUPLICATES								
ORIGINAL		7.7	520	13.7	16.8	<0.001	0.02	0.46	1.9	0.3	0.4	132.0	<0.01	0.03	3.1	0.030
DUP		8.0	490	14.6	17.5	<0.001	0.01	0.47	2.0	0.4	0.4	131.0	<0.01	0.04	3.2	0.029
Target Range - Lower Bound		7.3	470	13.2	16.2	<0.001	<0.01	0.38	1.8	<0.2	<0.2	124.5	<0.01	0.02	2.8	0.023
Upper Bound		8.4	540	15.1	18.1	0.002	0.02	0.55	2.1	0.4	0.6	138.5	0.02	0.05	3.5	0.036
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		60.0	500	13.6	38.1	0.003	1.55	0.07	5.2	0.7	0.3	128.5	<0.01	2.12	4.8	0.114
DUP		58.2	470	13.9	36.5	0.002	1.51	0.07	5.0	0.4	0.3	123.0	<0.01	2.28	4.5	0.105
Target Range - Lower Bound		55.9	450	12.9	35.3	<0.001	1.44	<0.05	4.7	0.3	<0.2	119.5	<0.01	2.08	4.2	0.099
Upper Bound		62.3	520	14.6	39.3	0.004	1.62	0.10	5.5	0.8	0.4	132.0	0.02	2.32	5.1	0.120
MMJNR059		1.6	350	2.9	41.8	0.001	0.01	0.07	4.6	0.6	1.4	15.4	<0.01	0.09	11.0	0.107
DUP		1.7	350	3.1	44.1	0.001	<0.01	0.08	4.9	0.6	1.5	16.0	<0.01	0.09	11.9	0.106
Target Range - Lower Bound		1.4	320	2.7	40.7	<0.001	<0.01	<0.05	4.4	0.4	1.2	14.7	<0.01	0.08	10.7	0.096
Upper Bound		1.9	380	3.4	45.2	0.002	0.02	0.10	5.1	0.8	1.7	16.7	0.02	0.10	12.2	0.117
MMJNR068																
DUP																
Target Range - Lower Bound																
Upper Bound																
MMJNR088																
DUP																
Target Range - Lower Bound																
Upper Bound																

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QC CERTIFICATE OF ANALYSIS WH14116725

Sample Description / Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	As- OG46	Zn- OG46	W- XRF05	Zn- VOL50
Analyte	Tl	U	V	W	Y	Zn	Zr	As	Zn	W	Zn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	%
LOR	0.02	0.05	1	0.05	0.05	2	0.5	0.01	0.001	10	0.01
DUPLICATES											
ORIGINAL	0.14	0.51	15	0.54	7.36	41	2.4				
DUP	0.14	0.50	14	0.50	7.64	39	2.5				
Target Range - Lower Bound	0.11	0.43	13	0.43	7.08	36	1.8				
Upper Bound	0.17	0.58	16	0.61	7.93	44	3.1				
ORIGINAL											
DUP											
Target Range - Lower Bound											
Upper Bound											
ORIGINAL											
DUP											
Target Range - Lower Bound											
Upper Bound											
ORIGINAL											
DUP											
Target Range - Lower Bound											
Upper Bound											
ORIGINAL	0.25	1.19	50	3.26	5.84	63	27.0				
DUP	0.27	1.17	47	3.37	5.45	60	25.4				
Target Range - Lower Bound	0.22	1.07	45	3.02	5.31	56	23.7				
Upper Bound	0.30	1.29	52	3.61	5.98	67	28.7				
MMJNR059	0.17	1.95	23	200	12.65	25	3.9				
DUP	0.20	2.11	22	202	13.30	24	4.1				
Target Range - Lower Bound	0.15	1.88	20	186.0	12.30	21	3.2				
Upper Bound	0.22	2.18	25	216	13.65	28	4.8				
MMJNR068											
DUP											
Target Range - Lower Bound											
Upper Bound											
MMJNR088											
DUP											
Target Range - Lower Bound											
Upper Bound											

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Sample Description	Au- AA23	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
Method / Analyte	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
LOR	0.005	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
DUPLICATES															
MMJNR095		0.08	0.77	2.0	0.6	<10	10	3.08	52.4	2.47	<0.01	10.45	2.5	5	0.69
DUP		0.10	0.76	6.0	0.7	<10	10	2.90	51.5	2.44	<0.01	10.45	2.4	5	0.73
Target Range - Lower Bound		0.08	0.72	3.7	0.4	<10	<10	2.79	49.3	2.32	<0.01	9.91	2.2	4	0.62
Upper Bound		0.10	0.81	4.3	0.9	20	20	3.19	54.6	2.59	0.02	11.00	2.7	6	0.80
MMJNR101															
DUP															
Target Range - Lower Bound															
Upper Bound															
MMJNR108	3.29														
DUP	3.25														
Target Range - Lower Bound	3.10														
Upper Bound	3.44														
MMJNR113															
DUP															
Target Range - Lower Bound															
Upper Bound															
JBJNR017		0.02	0.31	3.5	<0.2	<10	20	0.14	0.07	7.24	0.02	27.0	4.5	8	0.34
DUP		0.03	0.31	4.1	<0.2	<10	20	0.14	0.08	7.22	0.02	27.5	4.4	8	0.34
Target Range - Lower Bound		<0.01	0.28	3.5	<0.2	<10	<10	0.08	0.06	6.86	<0.01	25.9	4.1	7	0.27
Upper Bound		0.04	0.34	4.1	0.4	20	30	0.20	0.09	7.60	0.03	28.6	4.8	9	0.41
PREP DUPLICATES															
MMJNR096	0.043	0.06	3.56	5.1	<0.2	10	30	2.13	3.67	5.04	0.07	43.7	3.5	21	1.51
MMJNR096 PREP DUP	0.009	0.04	3.31	5.0	<0.2	10	20	2.26	3.40	4.69	0.08	42.1	3.5	19	1.58

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Account: TELOEX

QC CERTIFICATE OF ANALYSIS WH14116725

Sample Description	Method / Analyte / Units / LOR	ME- MS41 Cu ppm 0.2	ME- MS41 Fe % 0.01	ME- MS41 Ga ppm 0.05	ME- MS41 Ge ppm 0.05	ME- MS41 Hf ppm 0.02	ME- MS41 Hg ppm 0.01	ME- MS41 In ppm 0.005	ME- MS41 K % 0.01	ME- MS41 La ppm 0.2	ME- MS41 Li ppm 0.1	ME- MS41 Mg % 0.01	ME- MS41 Mn ppm 5	ME- MS41 Mo ppm 0.05	ME- MS41 Na % 0.01	ME- MS41 Nb ppm 0.05
								DUPLICATES								
MMJNR095		15.5	4.04	10.35	1.11	0.21	<0.01	0.733	0.02	4.3	8.8	0.07	1620	12.15	0.02	0.46
DUP		14.3	3.87	11.05	1.22	0.21	<0.01	0.722	0.02	4.5	8.4	0.07	1560	11.25	0.01	0.50
Target Range - Lower Bound		14.2	3.75	10.10	1.06	0.18	<0.01	0.686	<0.01	4.0	8.1	0.06	1505	11.05	<0.01	0.41
Upper Bound		15.6	4.16	11.30	1.27	0.24	0.02	0.769	0.03	4.8	9.1	0.08	1675	12.35	0.02	0.55
MMJNR101																
DUP																
Target Range - Lower Bound																
Upper Bound																
MMJNR108																
DUP																
Target Range - Lower Bound																
Upper Bound																
MMJNR113																
DUP																
Target Range - Lower Bound																
Upper Bound																
JBJNR017		2.5	1.69	1.19	<0.05	0.11	<0.01	0.057	0.09	12.6	6.8	0.13	463	0.25	0.03	0.07
DUP		2.5	1.69	1.17	<0.05	0.11	<0.01	0.057	0.09	12.7	6.5	0.13	459	0.24	0.03	0.07
Target Range - Lower Bound		2.2	1.60	1.07	<0.05	0.08	<0.01	0.049	0.08	11.8	6.2	0.11	433	0.18	0.02	<0.05
Upper Bound		2.8	1.78	1.29	0.10	0.14	0.02	0.065	0.10	13.5	7.1	0.15	489	0.31	0.04	0.10
								PREP DUPLICATES								
MMJNR096		21.3	3.78	14.40	1.19	0.59	<0.01	0.513	0.14	24.1	17.6	0.19	1720	28.6	0.12	1.22
MMJNR096 PREP DUP		23.6	3.47	14.40	1.43	0.51	<0.01	0.477	0.13	23.1	18.6	0.18	1560	25.5	0.11	0.93

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

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

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

Finalized Date: 25- AUG- 2014
Account: TELOEX

QC CERTIFICATE OF ANALYSIS WH14116725

Sample Description	Method / Analyte / Units / LOR	ME- MS41 Ni ppm 0.2	ME- MS41 P ppm 10	ME- MS41 Pb ppm 0.2	ME- MS41 Rb ppm 0.1	ME- MS41 Re ppm 0.001	ME- MS41 S % 0.01	ME- MS41 Sb ppm 0.05	ME- MS41 Sc ppm 0.1	ME- MS41 Se ppm 0.2	ME- MS41 Sn ppm 0.2	ME- MS41 Sr ppm 0.2	ME- MS41 Ta ppm 0.01	ME- MS41 Te ppm 0.01	ME- MS41 Th ppm 0.2	ME- MS41 Ti % 0.005
DUPLICATES																
MMJNR095		1.9	80	2.4	1.3	0.002	0.04	0.50	0.6	<0.2	31.5	5.6	<0.01	1.62	1.9	0.034
DUP		1.4	70	1.5	1.4	0.002	0.01	0.50	0.5	0.2	32.4	6.1	<0.01	1.63	2.0	0.032
Target Range - Lower Bound		1.4	60	1.7	1.2	<0.001	<0.01	0.41	0.4	<0.2	30.2	5.4	<0.01	1.53	1.7	0.026
Upper Bound		1.9	90	2.2	1.5	0.003	0.04	0.59	0.7	0.4	33.7	6.3	0.02	1.72	2.2	0.040
MMJNR101																
DUP																
Target Range - Lower Bound																
Upper Bound																
MMJNR108																
DUP																
Target Range - Lower Bound																
Upper Bound																
MMJNR113																
DUP																
Target Range - Lower Bound																
Upper Bound																
JBJNR017		7.6	100	7.6	4.3	<0.001	0.10	0.85	1.5	0.6	<0.2	539	<0.01	<0.01	6.5	<0.005
DUP		7.5	100	7.8	4.3	<0.001	0.10	0.84	1.5	0.5	<0.2	539	<0.01	<0.01	6.4	<0.005
Target Range - Lower Bound		7.0	90	7.1	4.0	<0.001	0.09	0.73	1.3	0.3	<0.2	512	<0.01	<0.01	5.9	<0.005
Upper Bound		8.1	120	8.3	4.6	0.002	0.12	0.96	1.7	0.8	0.4	566	0.02	0.02	7.0	0.010
PREP DUPLICATES																
MMJNR096		7.3	330	5.8	11.5	0.002	0.06	0.82	3.1	0.5	16.7	196.5	0.03	0.04	8.7	0.140
MMJNR096 PREP DUP		7.4	320	5.7	11.8	0.003	0.03	0.75	3.0	0.5	15.6	198.0	0.02	0.03	8.8	0.122

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ALS Minerals

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

Finalized Date: 25- AUG- 2014
Account: TELOEX

QC CERTIFICATE OF ANALYSIS WH14116725

Sample Description	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	As- OG46	Zn- OG46	W- XRF05	Zn- VOL50
Analyte	Ti	U	V	W	Y	Zn	Zr	As	Zn	W	Zn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	%
LOR	0.02	0.05	1	0.05	0.05	2	0.5	0.01	0.001	10	0.01
DUPLICATES											
MMJNR095	0.03	2.09	6	430	3.71	28	7.7				
DUP	0.03	1.94	6	410	3.97	27	8.3				
Target Range - Lower Bound	<0.02	1.86	5	388	3.60	24	6.9				
Upper Bound	0.04	2.17	7	452	4.08	31	9.1				
MMJNR101										650	
DUP										620	
Target Range - Lower Bound										590	
Upper Bound										680	
MMJNR108											
DUP											
Target Range - Lower Bound											
Upper Bound											
MMJNR113											45.01
DUP											45.02
Target Range - Lower Bound											43.88
Upper Bound											46.15
JBJNR017	0.03	0.46	3	<0.05	9.23	10	4.4				
DUP	0.03	0.45	3	<0.05	9.22	10	4.3				
Target Range - Lower Bound	<0.02	0.38	2	<0.05	8.71	8	3.5				
Upper Bound	0.04	0.53	4	0.10	9.74	13	5.2				
PREP DUPLICATES											
MMJNR096	0.06	2.13	24	72.6	9.14	33	22.4				
MMJNR096 PREP DUP	0.07	2.17	22	58.0	8.60	31	19.3				

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Finalized Date: 25- AUG- 2014
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QC CERTIFICATE OF ANALYSIS WH14116725

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:

As- OG46	Au- AA23	ME- MS41	ME- OG46
W- XRF05	Zn- OG46	Zn- VOL50	

ALS Minerals

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

Finalized Date: 14- AUG- 2014
Account: TELOEX

CERTIFICATE WH14116723

Project: ALSM
P.O. No.: JN14- 001
This report is for 164 Soil samples submitted to our lab in Whitehorse, YT, Canada on 2- AUG- 2014.
The following have access to data associated with this certificate:

JESSE CAMPBELL	MIKE MCCUAIG	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ST43	Super Trace Au - 25g AR	ICP- MS
ME- MS41	51 anal. aqua regia ICPMS	
Au- AROR43	Au AR Overrange - 25g	

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

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Minerals

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

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

CERTIFICATE OF ANALYSIS WH14116723

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ST43 Au ppm 0.0001	ME- MS41 Ag ppm 0.01	ME- MS41 Al % 0.01	ME- MS41 As ppm 0.1	ME- MS41 Au ppm 0.2	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
JNL023 00+ 00		0.51	0.0003	0.05	1.44	5.0	<0.2	<10	130	0.71	0.11	5.99	0.08	47.3	7.9	17
JNL023 00+ 50W		0.49	0.0002	0.05	1.86	4.1	<0.2	<10	170	0.98	0.13	1.16	0.10	56.7	7.2	21
JNL023 01+ 00W		0.48	0.0005	0.06	1.70	4.6	<0.2	<10	130	0.95	0.12	1.39	0.13	55.8	7.6	19
JNL023 01+ 50W		0.55	0.0011	0.80	1.55	11.5	<0.2	<10	120	0.97	0.13	2.35	1.36	62.7	7.8	20
JNL023 02 + 00W		0.49	0.0008	0.82	1.02	18.5	<0.2	<10	170	1.13	0.16	0.76	2.84	36.2	4.6	12
JNL023 02+ 50W		0.45	0.0003	0.06	1.43	3.7	<0.2	<10	100	0.77	0.09	0.93	0.24	43.8	4.1	15
JNL023 03 + 00		0.48	0.0005	0.23	1.75	75.0	<0.2	<10	70	0.48	0.51	0.04	0.27	30.6	6.7	28
JNL023 03 + 50W		0.70	0.0017	0.18	2.20	162.0	<0.2	<10	120	1.32	1.71	0.42	0.53	80.4	18.7	34
JNL023 04 + 00		0.65	0.0005	0.06	1.11	7.5	<0.2	<10	130	0.81	0.09	7.89	0.07	55.9	9.5	12
JNL023 04 +50W		0.45	0.0004	0.06	0.94	5.9	<0.2	<10	120	0.82	0.08	2.40	0.13	44.2	7.1	9
JNL023 05 +00		Not Recvd														
JNL023 05 +50W		0.43	<0.0001	0.08	0.63	2.4	<0.2	<10	30	0.19	0.03	0.99	0.14	11.25	1.2	2
JNL023 06 + 00		0.54	0.0002	0.29	0.91	9.7	<0.2	<10	110	0.34	0.14	0.94	0.23	25.3	3.4	8
JNL023 06 + 50W		0.62	0.0004	0.05	1.52	7.2	<0.2	<10	140	0.98	0.10	2.36	0.22	58.3	8.5	16
JNL023 07 + 00		0.47	0.0017	0.17	1.26	129.0	<0.2	<10	130	0.45	0.69	0.78	0.21	26.0	5.2	13
JNL023 07 +50W		0.56	0.0017	0.18	1.25	227	<0.2	<10	30	0.26	3.58	0.02	0.12	35.4	9.1	20
JNL023 08 + 00		0.46	0.0011	0.18	1.79	27.8	<0.2	<10	150	0.91	0.37	1.75	0.86	53.0	9.9	22
JNL023 08 + 50W		0.62	0.0003	0.16	2.17	20.6	<0.2	<10	240	1.06	0.21	4.69	0.45	61.3	12.7	27
JNL023 09 + 00		0.50	0.0027	0.15	1.75	62.0	<0.2	<10	130	0.92	0.67	0.98	0.28	52.7	9.4	22
JNL023 09 +50W		0.42	0.0012	0.09	2.26	38.6	<0.2	<10	230	1.21	0.57	0.94	0.21	54.6	9.4	28
JNL023 10 + 00		0.46	0.0004	0.05	0.68	5.6	<0.2	<10	20	0.14	0.12	0.03	0.07	8.56	1.8	5
JNL023 10 + 50W		0.50	0.0012	0.06	0.65	17.0	<0.2	<10	10	0.11	0.17	0.02	0.06	8.26	3.0	5
JNL023 11 + 00		0.48	0.0013	0.06	0.43	80.8	<0.2	<10	20	0.27	0.47	0.05	0.16	25.5	10.1	9
JNL023 11 + 50W		0.60	0.0011	0.11	0.36	30.8	<0.2	<10	10	0.13	0.28	0.01	0.22	16.20	5.8	8
JNL023 12 + 00		0.45	0.0035	0.19	0.71	129.5	<0.2	<10	30	0.44	0.54	0.42	0.31	39.3	17.5	14
JNL023 12 + 50W		0.47	0.0023	0.16	0.76	25.0	<0.2	<10	20	0.16	0.30	0.04	0.05	15.00	3.5	8
JNL023 13 + 00		0.52	0.0020	0.13	0.75	22.1	<0.2	<10	40	0.13	0.30	0.11	0.05	16.65	2.6	11
JNL023 13 + 50W		0.56	0.0003	0.09	1.00	64.7	<0.2	<10	20	0.09	0.60	0.02	0.06	30.8	4.9	13
JNL023 14 + 00		0.48	0.0115	0.13	1.58	45.1	<0.2	<10	60	0.33	0.33	0.12	0.06	27.3	6.4	21
JBJND001		0.45	0.0054	0.22	1.37	230	<0.2	<10	50	1.03	1.37	0.08	0.32	61.8	15.8	24
JBJND002		0.38	0.0006	0.46	1.45	56.1	<0.2	<10	90	0.39	0.54	0.10	1.50	32.8	6.2	19
JBJND003		0.38	0.0026	0.10	0.87	39.9	<0.2	<10	250	1.58	0.18	1.13	0.48	71.6	12.9	11
JBJND004		0.35	0.0008	0.37	1.05	21.6	<0.2	<10	260	0.90	0.25	1.81	0.22	39.2	6.7	15
JBJND005		0.45	0.0036	0.09	1.67	155.5	<0.2	<10	60	0.92	1.02	0.08	0.34	47.1	12.2	25
JKJND001		0.48	0.0041	0.55	0.54	86.0	<0.2	<10	50	0.23	0.39	0.11	1.14	33.8	9.4	10
JKJND002		0.45	0.0026	0.41	0.31	47.5	<0.2	<10	40	0.18	0.30	0.10	0.47	26.8	3.2	6
JKJND003		0.50	0.0019	0.85	0.96	37.5	<0.2	<10	40	0.40	0.56	0.06	0.39	27.2	10.5	12
MMJND001		0.54	>0.1000	2.03	0.75	4930	0.2	<10	90	1.33	0.80	0.12	3.48	92.3	72.4	7
JNL024 00 + 00		0.42	0.0010	0.06	2.10	11.3	<0.2	<10	100	1.28	0.17	1.91	0.19	68.7	7.9	25
JNL024 00 + 50W		0.50	0.0010	0.06	2.39	6.8	<0.2	<10	80	1.30	0.17	1.95	0.12	57.3	7.9	28

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

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

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

CERTIFICATE OF ANALYSIS WH14116723

Sample Description	Method / Analyte / Units / LOR	ME- MS41 Cs ppm 0.05	ME- MS41 Cu ppm 0.2	ME- MS41 Fe % 0.01	ME- MS41 Ga ppm 0.05	ME- MS41 Ge ppm 0.05	ME- MS41 Hf ppm 0.02	ME- MS41 Hg ppm 0.01	ME- MS41 In ppm 0.005	ME- MS41 K % 0.01	ME- MS41 La ppm 0.2	ME- MS41 Li ppm 0.1	ME- MS41 Mg % 0.01	ME- MS41 Mn ppm 5	ME- MS41 Mo ppm 0.05	ME- MS41 Na % 0.01
JNL023 00+ 00		0.78	12.7	2.12	3.83	0.08	0.08	0.03	0.026	0.12	23.0	18.0	1.42	235	0.37	<0.01
JNL023 00+ 50W		0.49	10.8	2.42	5.18	0.08	0.08	0.03	0.032	0.13	28.5	23.7	1.72	419	0.29	<0.01
JNL023 01+ 00W		0.47	10.8	2.28	4.87	0.07	0.08	0.02	0.029	0.14	28.3	22.7	1.68	401	0.37	<0.01
JNL023 01+ 50W		1.07	20.0	2.37	4.42	0.08	0.08	0.05	0.033	0.12	31.0	21.7	1.49	474	4.65	<0.01
JNL023 02 + 00W		1.18	26.1	2.21	2.80	0.06	0.06	0.04	0.033	0.11	23.6	8.7	0.48	200	11.65	<0.01
JNL023 02+ 50W		0.45	8.5	1.84	3.87	0.07	0.06	0.02	0.029	0.09	24.2	18.5	1.20	170	0.26	0.01
JNL023 03 + 00		12.45	19.2	4.75	7.75	0.05	<0.02	0.04	0.024	0.06	13.5	16.2	0.61	649	0.69	<0.01
JNL023 03 + 50W		11.35	74.5	6.61	6.61	0.08	0.06	0.02	0.047	0.05	40.3	47.6	0.83	668	1.26	0.01
JNL023 04 + 00		0.52	12.5	2.22	3.12	0.08	0.07	0.02	0.026	0.10	24.4	13.6	1.00	418	0.41	0.01
JNL023 04 +50W		0.28	12.9	1.95	2.69	0.07	0.09	0.03	0.023	0.08	24.0	10.1	0.71	343	0.39	0.01
JNL023 05 +00																
JNL023 05 +50W		0.11	3.8	0.37	1.25	0.05	0.05	0.02	<0.005	0.03	5.5	1.4	0.07	136	0.15	0.04
JNL023 06 + 00		0.81	5.4	1.06	3.10	0.05	0.04	0.02	0.015	0.06	11.5	8.5	0.48	189	0.47	0.03
JNL023 06 + 50W		0.47	14.1	2.31	4.53	0.09	0.14	0.02	0.028	0.10	27.3	18.0	1.31	382	0.46	0.01
JNL023 07 + 00		2.79	10.7	1.97	4.18	0.05	0.08	0.02	0.028	0.04	13.7	17.3	0.54	223	0.40	0.02
JNL023 07 +50W		2.59	23.8	4.47	7.00	0.05	<0.02	0.03	0.039	0.04	18.3	19.7	0.36	462	0.85	0.01
JNL023 08 + 00		2.27	18.0	2.59	5.42	0.09	0.10	0.04	0.035	0.10	26.2	25.1	1.47	352	0.84	0.02
JNL023 08 + 50W		1.03	21.3	2.74	6.29	0.13	0.11	0.03	0.032	0.11	30.5	24.5	1.96	452	1.25	0.02
JNL023 09 + 00		1.70	25.9	2.80	5.38	0.09	0.13	0.02	0.039	0.11	28.6	24.6	1.23	220	0.59	0.02
JNL023 09 +50W		2.09	19.9	2.73	6.98	0.10	0.14	0.01	0.040	0.13	27.9	31.4	2.08	172	0.86	0.02
JNL023 10 + 00		0.44	5.8	0.85	2.77	<0.05	<0.02	0.03	0.012	0.02	4.0	4.7	0.08	45	0.31	0.02
JNL023 10 + 50W		0.41	9.6	1.14	3.00	<0.05	<0.02	0.03	0.013	0.02	4.2	5.2	0.10	97	0.28	0.02
JNL023 11 + 00		0.83	18.8	3.58	1.70	<0.05	0.02	0.02	0.036	0.02	7.9	3.3	0.05	261	0.66	0.01
JNL023 11 + 50W		0.73	16.3	2.50	1.91	<0.05	<0.02	0.02	0.031	0.02	7.8	2.9	0.05	133	0.59	0.01
JNL023 12 + 00		0.83	37.3	3.96	2.37	0.07	0.05	0.06	0.037	0.04	20.0	13.4	0.20	459	0.54	0.01
JNL023 12 + 50W		0.50	12.7	1.92	3.67	<0.05	0.02	0.04	0.021	0.02	7.0	9.8	0.14	106	0.43	0.02
JNL023 13 + 00		1.14	6.9	1.38	3.57	<0.05	0.03	0.02	0.013	0.03	8.4	13.6	0.19	105	1.16	0.01
JNL023 13 + 50W		0.88	10.2	3.31	7.65	0.05	<0.02	0.03	0.024	0.02	15.7	11.6	0.18	228	0.73	0.01
JNL023 14 + 00		1.03	13.6	2.85	5.08	0.05	0.05	0.03	0.019	0.04	15.0	42.1	0.54	199	0.81	0.01
JBJND001		2.53	40.5	4.44	4.37	0.07	0.02	0.04	0.069	0.09	27.0	20.0	0.27	561	0.69	0.01
JBJND002		0.76	10.6	4.67	6.02	0.06	<0.02	0.04	0.038	0.07	16.9	17.2	0.27	240	3.50	0.01
JBJND003		1.23	18.4	3.24	1.83	0.09	0.07	0.03	0.050	0.08	31.3	6.2	0.18	1600	0.97	0.01
JBJND004		0.35	15.0	2.37	2.79	0.05	0.11	0.03	0.041	0.07	22.5	13.6	0.59	331	1.49	0.01
JBJND005		1.95	21.0	4.16	5.59	0.06	<0.02	0.03	0.064	0.09	19.5	26.2	0.41	555	0.87	0.01
JKJND001		0.91	18.2	2.07	1.97	0.05	0.02	0.03	0.018	0.07	17.3	9.4	0.15	571	0.37	0.01
JKJND002		0.93	10.6	1.17	1.57	<0.05	<0.02	0.03	0.010	0.07	13.4	2.3	0.05	226	0.28	0.01
JKJND003		1.35	20.6	3.10	3.49	<0.05	0.04	0.02	0.027	0.06	13.6	13.8	0.19	845	0.38	0.01
MMJND001		5.04	68.4	6.64	2.55	0.11	0.07	0.06	0.074	0.08	41.8	11.9	0.21	4760	0.58	0.01
JNL024 00 + 00		1.14	13.7	2.32	6.59	0.11	0.07	0.05	0.040	0.13	35.8	41.2	2.50	430	0.39	0.01
JNL024 00 + 50W		1.51	12.4	2.34	7.65	0.13	0.12	0.03	0.031	0.13	28.2	44.5	2.88	277	0.41	0.01

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

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ALS Minerals

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

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

CERTIFICATE OF ANALYSIS WH14116723

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
JNL023 00+ 00		0.17	14.5	1570	10.9	8.7	<0.001	0.03	0.63	3.1	0.4	0.2	221	<0.01	0.01	2.9
JNL023 00+ 50W		0.24	14.7	1440	12.5	12.5	<0.001	0.07	0.40	3.2	0.6	0.2	62.3	<0.01	0.01	1.8
JNL023 01+ 00W		0.25	15.3	1520	12.6	10.6	<0.001	0.08	0.45	2.7	0.8	0.2	67.9	<0.01	0.01	1.7
JNL023 01+ 50W		0.59	24.1	1660	15.5	10.3	<0.001	0.04	3.42	4.9	1.3	0.3	114.0	<0.01	0.02	3.0
JNL023 02 + 00W		0.29	33.0	950	15.9	9.2	0.002	0.05	4.39	3.1	1.8	0.3	39.7	<0.01	0.04	1.1
JNL023 02+ 50W		0.34	10.7	1400	10.2	9.6	<0.001	0.05	0.39	3.3	0.5	0.2	52.3	<0.01	0.01	1.7
JNL023 03 + 00		0.26	12.2	1570	8.6	11.3	<0.001	0.07	0.62	0.2	0.6	0.5	7.4	<0.01	0.03	<0.2
JNL023 03 + 50W		0.14	38.2	1180	30.6	5.0	<0.001	0.10	1.90	2.7	0.9	0.6	39.2	<0.01	0.03	7.4
JNL023 04 + 00		0.20	16.9	1570	14.1	6.4	<0.001	0.01	1.21	4.2	0.6	<0.2	324	<0.01	0.02	4.9
JNL023 04 +50W		0.21	14.7	1220	12.5	5.3	<0.001	0.11	1.26	2.1	0.7	<0.2	110.5	<0.01	0.02	0.9
JNL023 05 +00																
JNL023 05 +50W		0.24	1.7	750	2.0	1.2	0.001	0.05	0.10	0.3	0.4	<0.2	48.7	0.01	<0.01	0.2
JNL023 06 + 00		0.30	8.1	730	9.1	10.9	<0.001	0.04	0.39	1.0	0.5	0.3	48.8	<0.01	0.01	0.7
JNL023 06 + 50W		0.59	21.9	1770	15.1	8.9	<0.001	0.03	0.74	4.0	0.7	0.2	111.0	<0.01	0.01	3.8
JNL023 07 + 00		0.40	12.4	1020	21.0	7.1	<0.001	0.07	0.56	1.5	0.5	0.6	50.5	<0.01	0.02	1.8
JNL023 07 +50W		0.72	19.5	630	44.4	9.7	<0.001	0.02	1.87	0.8	0.3	0.8	6.0	<0.01	0.05	1.4
JNL023 08 + 00		1.72	31.1	1120	23.4	10.0	<0.001	0.07	1.10	3.5	0.7	0.5	103.0	<0.01	0.02	3.3
JNL023 08 + 50W		2.94	50.1	1960	16.0	10.8	0.001	0.04	1.00	4.2	0.7	0.4	248	<0.01	0.01	3.2
JNL023 09 + 00		1.31	31.3	1370	23.7	10.4	0.001	0.05	1.16	3.5	0.7	0.7	65.6	<0.01	0.02	4.2
JNL023 09 +50W		1.76	32.0	1720	18.9	14.1	0.001	0.09	0.68	4.1	1.6	0.7	126.0	<0.01	0.02	3.3
JNL023 10 + 00		0.15	4.5	420	10.7	2.9	<0.001	0.03	0.33	0.1	0.5	<0.2	5.3	<0.01	0.01	<0.2
JNL023 10 + 50W		0.12	5.9	430	12.7	3.3	<0.001	0.03	0.47	0.1	0.5	<0.2	4.0	<0.01	0.03	<0.2
JNL023 11 + 00		0.11	23.2	650	47.3	2.9	<0.001	0.04	3.13	1.0	0.4	0.3	20.0	<0.01	0.07	1.3
JNL023 11 + 50W		0.11	17.2	760	31.0	3.5	<0.001	0.03	2.36	0.4	0.5	0.3	11.1	<0.01	0.05	0.6
JNL023 12 + 00		0.16	42.0	710	42.0	4.5	<0.001	0.04	3.61	2.6	0.8	0.3	51.7	<0.01	0.06	6.3
JNL023 12 + 50W		0.40	8.6	390	26.5	4.1	<0.001	0.03	0.80	0.4	0.6	0.2	5.2	<0.01	0.03	1.0
JNL023 13 + 00		0.29	8.8	610	14.3	5.1	<0.001	0.05	0.45	0.4	0.3	0.3	16.9	<0.01	0.03	1.1
JNL023 13 + 50W		0.77	10.9	420	26.6	4.9	<0.001	0.03	0.85	0.4	0.3	0.5	5.2	<0.01	0.07	0.3
JNL023 14 + 00		0.31	21.4	490	20.6	7.0	<0.001	0.03	0.46	1.0	0.5	0.3	15.0	<0.01	0.02	3.6
JBJND001		0.59	36.2	540	55.6	11.9	0.001	0.02	1.60	2.9	0.8	1.3	10.0	<0.01	0.04	9.2
JBJND002		1.39	16.5	340	31.4	12.2	<0.001	0.02	1.56	1.3	0.7	0.7	9.8	<0.01	0.03	1.8
JBJND003		0.17	25.5	1620	21.3	5.6	<0.001	0.05	5.51	6.8	0.9	0.3	72.6	<0.01	0.01	4.5
JBJND004		0.21	17.1	1230	16.0	5.8	<0.001	0.09	2.12	2.6	1.4	0.3	109.0	<0.01	<0.01	1.3
JBJND005		1.04	24.2	670	47.8	13.2	<0.001	0.03	1.58	2.1	0.6	1.2	11.4	0.01	0.04	4.5
JKJND001		0.05	13.4	1060	38.6	4.4	<0.001	0.05	1.55	0.4	0.2	<0.2	16.1	<0.01	0.02	1.2
JKJND002		0.08	6.3	940	22.4	6.0	<0.001	0.06	0.99	0.1	<0.2	<0.2	14.0	<0.01	0.02	<0.2
JKJND003		0.14	18.1	1160	71.5	8.3	<0.001	0.06	1.95	0.4	0.2	0.2	8.3	<0.01	0.02	1.2
MMJND001		<0.05	101.0	750	739	5.6	0.001	0.06	12.05	2.6	0.8	0.5	59.3	<0.01	0.02	17.6
JNL024 00 + 00		0.31	16.3	1980	14.5	14.4	<0.001	0.08	0.74	3.0	0.4	0.3	110.5	<0.01	<0.01	1.5
JNL024 00 + 50W		0.49	18.2	1670	13.9	13.8	<0.001	0.04	0.60	4.0	0.6	0.4	94.0	<0.01	<0.01	3.5

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

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

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

CERTIFICATE OF ANALYSIS WH14116723

Sample Description	ME- MS41 Ti % 0.005	ME- MS41 Tl ppm 0.02	ME- MS41 U ppm 0.05	ME- MS41 V ppm 1	ME- MS41 W ppm 0.05	ME- MS41 Y ppm 0.05	ME- MS41 Zn ppm 2	ME- MS41 Zr ppm 0.5	Au- AROR43 Au ppm 0.01
JNL023 00+ 00	0.005	0.08	0.44	14	0.06	11.55	74	2.9	
JNL023 00+ 50W	0.006	0.08	0.42	18	<0.05	15.00	67	2.2	
JNL023 01+ 00W	0.005	0.08	0.43	15	0.07	14.45	66	2.4	
JNL023 01+ 50W	0.012	0.12	0.67	28	0.07	17.75	177	2.6	
JNL023 02 + 00W	<0.005	0.24	0.96	56	0.09	16.50	345	1.9	
JNL023 02+ 50W	0.008	0.06	0.39	13	0.05	12.75	81	2.1	
JNL023 03 + 00	0.006	0.07	0.69	33	0.08	2.58	72	<0.5	
JNL023 03 + 50W	<0.005	0.05	1.13	23	0.11	10.40	130	2.5	
JNL023 04 + 00	0.005	0.06	0.48	10	<0.05	12.35	62	3.0	
JNL023 04 +50W	<0.005	0.06	0.52	8	<0.05	14.60	57	2.7	
JNL023 05 +00									
JNL023 05 +50W	0.016	0.02	0.18	6	<0.05	2.98	11	1.9	
JNL023 06 + 00	0.007	0.08	0.23	12	<0.05	3.85	36	1.1	
JNL023 06 + 50W	0.008	0.06	0.47	13	<0.05	13.95	71	4.8	
JNL023 07 + 00	0.007	0.06	1.59	14	0.07	4.57	65	2.6	
JNL023 07 +50W	0.014	0.07	0.59	27	0.19	2.23	79	<0.5	
JNL023 08 + 00	0.025	0.08	0.77	23	0.08	11.40	106	3.7	
JNL023 08 + 50W	0.050	0.09	0.60	32	<0.05	13.95	102	4.9	
JNL023 09 + 00	0.020	0.10	1.25	23	0.13	12.35	90	3.7	
JNL023 09 +50W	0.023	0.09	5.76	26	0.07	14.10	92	4.7	
JNL023 10 + 00	0.012	0.04	0.37	11	0.10	1.11	18	<0.5	
JNL023 10 + 50W	0.010	0.04	0.38	10	0.09	0.98	23	<0.5	
JNL023 11 + 00	<0.005	0.12	0.99	12	0.37	3.04	85	<0.5	
JNL023 11 + 50W	<0.005	0.09	0.83	12	0.37	1.87	82	<0.5	
JNL023 12 + 00	<0.005	0.14	1.88	13	0.28	8.39	130	1.6	
JNL023 12 + 50W	0.010	0.05	0.38	12	0.07	1.00	34	<0.5	
JNL023 13 + 00	0.006	0.07	1.02	14	0.10	1.24	30	0.8	
JNL023 13 + 50W	0.015	0.07	0.55	29	0.19	1.54	42	<0.5	
JNL023 14 + 00	0.006	0.07	1.61	16	0.09	2.58	65	1.4	
JBJND001	0.012	0.29	1.05	25	0.28	8.70	110	0.5	
JBJND002	0.015	0.18	0.52	43	0.22	3.53	119	<0.5	
JBJND003	<0.005	0.11	0.60	12	0.05	18.65	110	2.4	
JBJND004	<0.005	0.09	2.28	27	0.05	14.65	97	3.5	
JBJND005	0.019	0.27	0.91	26	0.41	5.32	86	<0.5	
JKJND001	<0.005	0.06	0.71	6	0.10	3.56	85	0.5	
JKJND002	<0.005	0.06	0.61	6	0.14	1.65	48	<0.5	
JKJND003	<0.005	0.06	0.75	10	<0.05	3.39	128	1.2	
MMJND001	<0.005	0.20	2.22	6	0.08	20.7	694	4.3	0.22
JNL024 00 + 00	0.006	0.10	0.48	23	0.05	13.90	68	2.3	
JNL024 00 + 50W	0.010	0.13	0.41	27	<0.05	14.60	75	4.1	

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SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

CERTIFICATE OF ANALYSIS WH14116723

Sample Description / Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ST43 Au ppm 0.0001	ME-MS41 Ag ppm 0.01	ME-MS41 Al % 0.01	ME-MS41 As ppm 0.1	ME-MS41 Au ppm 0.2	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
JNL024 01 + 00	0.38	0.0003	0.03	1.60	3.6	<0.2	<10	70	0.91	0.10	2.28	0.24	38.3	4.7	17
JNL024 01 + 50W	0.54	0.0006	0.11	1.47	10.5	<0.2	<10	80	0.90	0.19	5.66	0.32	50.2	7.4	19
JNL024 02 + 00	0.40	0.0003	0.03	1.35	1.2	<0.2	<10	70	0.62	0.07	1.11	0.15	24.8	1.9	10
JNL024 02 + 50W	0.37	0.0004	0.02	0.99	2.1	<0.2	<10	90	0.37	0.07	0.83	0.05	17.25	2.0	9
JNL024 03 + 00	0.72	0.0015	0.28	1.60	47.8	<0.2	<10	120	0.82	0.49	0.68	0.20	47.8	9.2	24
JNL024 03 + 50W	0.55	0.0002	0.08	1.71	6.9	<0.2	<10	120	0.64	0.16	0.84	0.13	31.4	4.7	21
JNL024 04 + 00	0.42	0.0008	0.08	1.22	204	<0.2	<10	100	0.47	1.14	0.32	0.14	43.5	5.9	15
JNL024 04 + 50W	0.52	0.0004	0.21	1.52	19.9	<0.2	<10	100	0.85	0.15	3.43	0.52	57.6	8.3	22
JNL024 05 + 00	0.35	<0.0001	0.08	0.97	4.0	<0.2	<10	70	0.65	0.07	3.63	0.86	31.5	3.7	11
JNL024 05 + 50W	0.46	0.0007	0.17	0.92	45.8	<0.2	<10	80	0.35	0.38	0.45	0.27	28.1	3.5	13
JNL024 06 + 00	0.37	0.0015	0.21	1.50	79.0	<0.2	<10	190	0.68	0.74	1.25	0.67	42.4	9.6	20
JNL024 06 + 50W	0.46	0.0006	0.09	2.13	22.8	<0.2	<10	100	0.96	0.30	2.55	0.52	50.0	7.2	23
JNL024 07 + 00	0.45	0.0019	0.14	1.28	73.3	<0.2	<10	100	0.67	0.61	1.34	1.62	38.0	9.4	15
JNL024 07 + 50W	0.60	0.0010	0.08	1.94	86.2	<0.2	<10	80	0.91	0.38	3.51	0.33	44.1	11.1	23
JNL024 08 + 00	0.46	0.0010	0.17	0.68	56.0	<0.2	<10	40	0.50	0.50	0.27	0.25	38.0	13.0	15
JNL024 08 + 50W	0.50	0.0013	0.22	1.79	46.7	<0.2	<10	70	0.99	0.34	1.18	0.65	49.1	7.9	21
JNL024 09 + 00	0.50	0.0019	0.20	0.90	72.7	<0.2	<10	50	0.57	0.45	1.05	0.58	43.7	14.2	17
JNL024 09 + 50W	0.47	0.0025	0.21	0.83	117.5	<0.2	<10	20	0.49	0.61	0.34	0.29	43.2	16.9	17
JNL024 10 + 00	0.46	0.0018	0.20	0.59	215	<0.2	<10	40	0.44	0.56	0.43	0.26	37.7	17.2	13
JNL024 10 + 50W	0.44	0.0099	0.25	1.55	241	<0.2	<10	80	0.55	0.44	0.62	0.35	26.3	9.7	17
JNL024 11 +00	0.52	0.0025	0.04	1.10	27.5	<0.2	<10	30	0.20	0.43	0.03	0.09	29.7	5.5	16
JNL024 11 + 50W	0.62	0.0038	0.22	1.57	87.2	<0.2	<10	30	0.55	0.89	0.16	0.40	44.6	19.2	21
JNL024 12 + 00	0.46	0.0007	0.08	1.02	32.7	<0.2	<10	40	0.21	0.43	0.24	0.07	24.7	4.6	11
JNL024 12 +50W	0.47	0.0003	0.04	0.65	15.6	<0.2	<10	40	0.09	0.35	0.08	0.12	32.1	2.4	8
JNL024 13 + 00	0.64	0.0019	0.09	0.66	16.3	<0.2	<10	20	0.11	0.39	0.01	0.04	35.6	3.0	8
JNL024 13 + 50W	0.57	0.0670	0.31	0.72	166.0	<0.2	<10	50	0.25	0.43	0.48	0.10	20.7	4.5	9
JNL024 14 + 00W	0.58	>0.1000	0.35	1.09	542	2.2	<10	20	0.13	0.79	0.02	0.07	34.3	7.1	17
JBJNS001	0.48	0.0055	0.72	0.70	47.0	<0.2	<10	170	0.85	0.40	2.79	2.23	35.8	8.5	14
JBJNS002	0.50	0.0037	0.75	0.64	35.1	<0.2	<10	160	0.93	0.33	3.18	2.49	34.3	9.4	12
JBJNS003	0.63	0.0067	0.11	1.29	38.4	<0.2	<10	20	1.20	0.23	0.14	2.39	315	90.1	10
JBJNS004	0.73	0.0122	0.13	1.77	37.7	<0.2	<10	20	1.44	0.24	0.17	3.07	421	112.0	10
JNL025 00+00	0.47	0.0004	0.06	1.69	4.8	<0.2	<10	130	1.29	0.11	1.25	0.12	55.6	9.2	18
JNL025 00 + 50W	0.45	0.0004	0.04	2.64	2.6	<0.2	<10	40	1.28	0.09	1.03	0.11	54.0	6.7	30
JNL025 01 + 00	0.47	0.0001	0.05	2.41	2.6	<0.2	<10	90	1.36	0.11	2.08	0.19	52.5	8.7	28
JNL025 01 +50W	0.52	0.0007	0.05	1.28	8.9	<0.2	<10	80	0.87	0.10	16.75	0.10	42.1	7.1	17
JNL025 02 + 00	0.58	0.0011	0.09	2.31	11.4	<0.2	<10	180	1.39	0.23	2.46	0.16	60.5	14.0	28
JNL025 02 + 50W	0.49	0.0001	0.12	1.82	3.9	<0.2	<10	120	0.86	0.12	0.89	0.40	43.1	4.7	20
JNL025 03 + 00	0.38	0.0003	0.15	1.48	2.7	<0.2	<10	90	0.64	0.09	0.41	0.42	21.4	2.3	13
JNL025 03 + 50W	0.39	0.0001	0.06	1.17	4.2	<0.2	<10	60	0.70	0.08	1.06	0.85	33.3	4.2	10
JNL025 04 + 00	0.42	0.0002	0.18	1.89	5.8	<0.2	<10	120	1.17	0.11	1.52	0.37	43.4	4.7	19

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

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ALS Minerals

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

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

CERTIFICATE OF ANALYSIS WH14116723

Sample Description	Method / Analyte / Units / LOR	ME- MS41 Cs ppm 0.05	ME- MS41 Cu ppm 0.2	ME- MS41 Fe % 0.01	ME- MS41 Ga ppm 0.05	ME- MS41 Ge ppm 0.05	ME- MS41 Hf ppm 0.02	ME- MS41 Hg ppm 0.01	ME- MS41 In ppm 0.005	ME- MS41 K % 0.01	ME- MS41 La ppm 0.2	ME- MS41 Li ppm 0.1	ME- MS41 Mg % 0.01	ME- MS41 Mn ppm 5	ME- MS41 Mo ppm 0.05	ME- MS41 Na % 0.01
JNL024 01 + 00		0.55	9.8	1.57	4.93	0.10	0.06	0.05	0.024	0.07	23.0	27.8	1.81	233	0.30	0.02
JNL024 01 + 50W		0.73	11.7	2.14	4.53	0.09	0.08	0.02	0.026	0.10	24.7	26.8	1.56	345	0.76	0.01
JNL024 02 + 00		0.52	5.3	0.87	3.68	0.06	0.06	0.03	0.017	0.04	13.2	14.4	0.89	102	0.19	0.03
JNL024 02 + 50W		0.47	3.3	0.80	3.48	0.05	0.05	0.01	0.012	0.03	7.0	13.7	0.77	176	0.28	0.03
JNL024 03 + 00		4.76	19.8	2.92	4.76	0.08	0.15	0.03	0.047	0.08	24.7	29.4	1.27	309	0.78	0.01
JNL024 03 + 50W		3.37	6.6	1.94	5.73	0.05	0.07	0.02	0.025	0.09	13.1	26.0	1.53	226	0.66	0.01
JNL024 04 + 00		1.37	15.9	2.51	4.94	0.06	<0.02	0.02	0.031	0.07	22.8	20.0	0.38	179	0.55	0.01
JNL024 04 + 50W		0.88	14.7	2.08	4.61	0.12	0.11	0.03	0.029	0.11	30.3	24.0	1.76	541	1.17	0.01
JNL024 05 + 00		0.63	11.7	1.18	3.62	0.12	0.08	0.06	0.021	0.05	30.8	13.6	0.94	258	0.48	0.01
JNL024 05 + 50W		8.35	5.5	1.68	3.36	0.06	0.07	0.02	0.045	0.05	14.1	13.3	0.54	126	1.51	0.02
JNL024 06 + 00		5.54	16.4	2.56	4.44	0.07	0.13	0.02	0.050	0.08	19.1	26.2	1.23	419	1.56	0.01
JNL024 06 + 50W		0.94	14.1	2.52	6.19	0.09	0.12	0.03	0.031	0.12	27.0	35.8	2.37	300	0.61	0.01
JNL024 07 + 00		0.79	27.4	5.10	3.85	0.08	0.07	0.03	0.032	0.06	22.1	24.6	0.95	1800	1.54	0.01
JNL024 07 + 50W		1.26	21.2	2.54	5.64	0.08	0.14	0.01	0.036	0.09	21.3	35.4	1.77	184	0.35	0.01
JNL024 08 + 00		0.83	36.6	2.28	2.18	0.06	0.04	0.05	0.039	0.03	20.9	13.0	0.23	98	1.54	0.01
JNL024 08 + 50W		0.95	15.0	2.88	5.27	0.08	0.13	0.02	0.049	0.11	25.3	26.4	1.76	275	0.69	0.01
JNL024 09 + 00		1.55	24.0	3.57	2.85	0.06	0.08	0.04	0.041	0.05	21.8	17.2	0.49	514	0.53	0.01
JNL024 09 + 50W		0.83	40.6	4.15	2.71	0.08	0.05	0.05	0.047	0.03	23.6	18.4	0.28	329	0.50	0.01
JNL024 10 + 00		0.85	34.9	6.06	2.11	0.06	0.06	0.05	0.040	0.03	20.8	11.4	0.18	620	0.60	0.01
JNL024 10 + 50W		2.82	26.4	3.54	4.20	0.05	0.10	0.03	0.026	0.04	18.6	32.2	0.46	830	0.49	0.01
JNL024 11 +00		0.96	17.2	2.63	4.42	<0.05	0.02	0.02	0.015	0.03	15.6	19.8	0.40	159	0.53	0.01
JNL024 11 + 50W		0.73	51.0	4.81	4.67	0.07	0.05	0.03	0.061	0.03	22.9	37.4	0.69	762	0.68	0.01
JNL024 12 + 00		1.01	13.9	2.08	4.71	<0.05	<0.02	0.02	0.023	0.03	13.5	12.9	0.20	194	0.68	0.01
JNL024 12 +50W		1.07	4.0	1.22	4.82	<0.05	<0.02	0.01	0.008	0.03	16.9	8.8	0.14	113	0.51	0.01
JNL024 13 + 00		1.03	7.3	2.06	5.46	0.05	<0.02	0.02	0.012	0.02	18.6	3.6	0.05	128	0.54	0.01
JNL024 13 + 50W		2.09	23.4	1.87	3.48	<0.05	0.03	0.02	0.021	0.04	11.7	5.8	0.09	87	0.80	0.01
JNL024 14 + 00W		0.84	25.4	3.61	4.91	0.05	<0.02	0.02	0.021	0.02	18.4	25.1	0.32	304	0.74	0.01
JBJNS001		2.52	35.9	2.46	2.23	0.06	0.08	0.06	0.039	0.09	19.2	9.9	0.89	436	12.45	0.01
JBJNS002		2.52	37.7	2.36	2.16	0.06	0.09	0.06	0.039	0.08	18.8	9.2	1.08	411	19.00	0.01
JBJNS003		0.63	42.2	3.13	2.99	0.31	0.05	0.02	0.022	0.03	143.5	12.2	0.10	2850	0.45	0.01
JBJNS004		0.66	43.6	3.21	3.78	0.43	0.07	0.02	0.021	0.04	186.5	14.7	0.10	3680	0.39	0.01
JNL025 00+00		0.53	12.7	2.10	5.40	0.09	0.16	0.02	0.028	0.11	27.5	22.7	1.46	277	0.43	0.01
JNL025 00 + 50W		1.75	8.2	2.00	8.97	0.17	0.07	0.02	0.031	0.07	27.8	66.9	4.04	244	0.21	0.01
JNL025 01 + 00		1.23	10.8	2.05	8.35	0.14	0.07	0.03	0.031	0.09	25.0	50.2	3.33	503	0.26	0.01
JNL025 01 +50W		0.82	10.0	1.66	4.09	0.11	0.07	0.02	0.020	0.08	23.7	24.6	1.46	234	0.49	0.01
JNL025 02 + 00		1.50	21.9	2.88	6.85	0.11	0.14	0.01	0.033	0.15	28.2	34.4	1.95	397	0.72	0.01
JNL025 02 + 50W		0.58	8.6	1.91	6.01	0.07	0.10	0.02	0.027	0.09	20.1	28.6	1.74	189	0.52	0.01
JNL025 03 + 00		0.69	4.5	1.13	5.13	<0.05	0.02	0.01	0.019	0.07	9.0	19.6	0.97	64	0.49	0.02
JNL025 03 + 50W		0.46	8.5	1.27	3.23	0.06	0.08	0.01	0.019	0.06	16.1	16.8	0.91	264	0.47	0.02
JNL025 04 + 00		0.51	13.6	1.93	6.11	0.10	0.13	0.03	0.031	0.08	28.8	33.5	1.81	178	0.37	0.01

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

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ALS Minerals

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

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

CERTIFICATE OF ANALYSIS WH14116723

Sample Description	Method Analyte Units LOR	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
JNL024 01 + 00		0.23	10.7	1500	9.5	9.8	<0.001	0.12	0.41	1.5	0.8	0.2	109.0	<0.01	0.01	0.7
JNL024 01 + 50W		0.36	16.9	1290	17.0	8.1	0.001	0.03	1.04	3.5	0.6	0.3	254	<0.01	<0.01	3.2
JNL024 02 + 00		0.35	4.8	970	4.8	6.0	<0.001	0.08	0.13	1.2	0.4	0.2	78.8	<0.01	<0.01	0.6
JNL024 02 + 50W		0.36	4.0	610	4.6	5.8	<0.001	0.09	0.21	0.7	1.2	0.2	88.4	<0.01	<0.01	0.4
JNL024 03 + 00		0.24	20.8	1090	36.8	8.4	<0.001	0.06	1.43	3.1	1.5	0.4	71.6	<0.01	0.01	4.5
JNL024 03 + 50W		1.14	12.2	1310	12.5	12.1	<0.001	0.07	0.46	1.7	0.3	0.3	55.7	<0.01	0.01	1.4
JNL024 04 + 00		0.31	15.8	510	22.7	8.7	<0.001	0.02	1.16	0.9	0.4	1.1	32.5	<0.01	0.01	1.4
JNL024 04 + 50W		1.57	24.2	1780	14.7	10.2	<0.001	0.10	0.76	3.9	0.9	0.2	184.5	<0.01	<0.01	2.5
JNL024 05 + 00		0.66	12.7	1620	7.4	6.4	<0.001	0.19	0.33	1.5	0.7	<0.2	176.0	<0.01	<0.01	0.6
JNL024 05 + 50W		0.58	9.1	840	32.3	6.6	<0.001	0.06	1.09	1.2	1.0	0.5	32.9	<0.01	0.01	1.6
JNL024 06 + 00		0.73	21.4	1340	36.9	9.9	0.001	0.09	1.34	2.5	1.9	0.6	123.0	<0.01	0.01	2.7
JNL024 06 + 50W		0.30	17.3	1610	19.2	12.5	<0.001	0.07	0.72	3.4	0.7	0.4	128.0	<0.01	<0.01	2.9
JNL024 07 + 00		0.15	20.5	1240	36.6	6.2	0.001	0.09	2.46	3.1	0.7	0.3	69.5	<0.01	0.01	2.9
JNL024 07 + 50W		0.25	22.2	1160	21.0	9.8	<0.001	0.05	0.60	3.4	1.0	0.3	149.0	<0.01	0.01	5.3
JNL024 08 + 00		0.17	33.9	680	35.1	2.1	<0.001	0.13	2.64	2.8	1.2	0.3	37.8	<0.01	0.03	7.4
JNL024 08 + 50W		0.22	19.9	1120	46.1	9.0	<0.001	0.05	1.41	4.5	0.6	0.4	57.4	<0.01	0.01	4.0
JNL024 09 + 00		0.15	29.7	620	40.6	4.4	<0.001	0.06	2.12	3.1	1.0	0.3	56.7	0.01	0.02	4.6
JNL024 09 + 50W		0.19	38.9	690	47.3	3.5	<0.001	0.03	2.93	3.0	0.9	0.3	39.4	<0.01	0.04	7.2
JNL024 10 + 00		0.18	40.4	740	38.1	2.7	0.001	0.03	3.46	2.8	0.6	0.3	51.1	<0.01	0.03	7.5
JNL024 10 + 50W		0.37	23.1	830	31.3	6.2	<0.001	0.08	0.94	1.6	0.6	0.3	58.4	<0.01	0.02	2.7
JNL024 11 +00		0.30	15.1	400	18.6	6.1	<0.001	0.02	0.76	0.8	<0.2	0.3	5.4	<0.01	0.02	2.5
JNL024 11 + 50W		0.13	37.3	920	94.5	3.8	<0.001	0.02	2.76	2.7	0.8	<0.2	13.0	<0.01	0.04	10.0
JNL024 12 + 00		0.49	10.4	630	26.2	5.6	<0.001	0.03	0.97	0.5	0.4	0.4	24.3	<0.01	0.02	0.8
JNL024 12 +50W		0.50	5.5	280	12.0	6.7	<0.001	0.02	0.31	0.4	<0.2	0.4	11.9	<0.01	0.01	1.0
JNL024 13 + 00		0.47	5.9	380	16.0	7.0	<0.001	0.02	0.75	0.4	<0.2	0.4	4.3	<0.01	0.03	1.3
JNL024 13 + 50W		0.32	13.2	810	18.7	4.9	<0.001	0.07	1.01	0.5	0.5	0.4	51.6	<0.01	0.03	1.1
JNL024 14 + 00W		0.27	20.3	580	54.3	3.7	<0.001	0.03	1.46	0.7	0.4	0.3	5.0	<0.01	0.08	2.5
JBJNS001		0.38	39.6	920	29.6	6.7	0.004	0.07	5.86	3.7	2.8	0.4	109.5	<0.01	0.02	2.3
JBJNS002		0.21	47.4	940	18.2	6.6	0.005	0.08	5.80	3.8	3.2	0.3	118.0	<0.01	0.03	2.0
JBJNS003		<0.05	124.0	400	26.0	2.3	<0.001	0.14	1.80	1.7	2.7	0.2	18.4	<0.01	0.02	10.0
JBJNS004		<0.05	148.0	410	25.4	2.5	<0.001	0.11	1.70	1.7	3.4	0.2	22.2	<0.01	0.02	9.5
JNL025 00+00		0.48	17.5	1770	13.6	9.6	<0.001	0.04	0.45	3.4	1.0	0.2	73.4	<0.01	<0.01	2.3
JNL025 00 + 50W		0.21	13.6	1350	9.6	17.6	<0.001	0.04	0.17	3.3	0.5	0.4	60.5	<0.01	0.01	2.1
JNL025 01 + 00		0.43	14.5	1320	9.4	17.3	<0.001	0.07	0.21	2.7	0.6	0.4	116.5	<0.01	0.01	1.2
JNL025 01 +50W		0.87	14.4	1260	11.1	8.1	<0.001	0.01	0.76	4.1	0.6	0.3	782	<0.01	0.02	4.3
JNL025 02 + 00		1.62	31.0	1680	17.6	13.0	<0.001	0.03	0.89	5.1	0.6	0.7	135.0	<0.01	0.02	6.0
JNL025 02 + 50W		0.31	11.6	1270	9.3	11.9	<0.001	0.05	0.55	3.5	0.4	0.3	62.6	<0.01	0.01	2.4
JNL025 03 + 00		0.29	6.6	930	5.0	10.8	<0.001	0.04	0.35	0.3	0.2	0.3	28.2	<0.01	<0.01	<0.2
JNL025 03 + 50W		0.27	8.2	1130	6.6	7.1	<0.001	0.06	0.77	1.6	0.7	0.2	64.0	<0.01	0.01	0.8
JNL025 04 + 00		0.32	12.0	1840	11.2	9.3	<0.001	0.10	0.72	2.8	0.6	0.3	96.8	<0.01	0.01	1.6

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

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SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

CERTIFICATE OF ANALYSIS WH14116723

Sample Description	Method / Analyte / Units / LOR	ME- MS41 Ti % 0.005	ME- MS41 Tl ppm 0.02	ME- MS41 U ppm 0.05	ME- MS41 V ppm 1	ME- MS41 W ppm 0.05	ME- MS41 Y ppm 0.05	ME- MS41 Zn ppm 2	ME- MS41 Zr ppm 0.5	Au- AROR43 Au ppm 0.01
JNL024 01 + 00		0.006	0.07	0.44	16	<0.05	10.75	92	2.1	
JNL024 01 + 50W		0.009	0.08	0.44	19	0.06	11.05	83	2.3	
JNL024 02 + 00		0.011	0.07	0.53	12	<0.05	5.99	33	2.3	
JNL024 02 + 50W		0.014	0.04	1.55	11	<0.05	3.50	18	1.6	
JNL024 03 + 00		0.005	0.09	1.40	18	0.06	9.58	105	4.7	
JNL024 03 + 50W		0.014	0.09	0.90	21	<0.05	4.55	44	2.0	
JNL024 04 + 00		0.005	0.10	0.44	20	0.14	4.41	64	<0.5	
JNL024 04 + 50W		0.021	0.07	0.52	19	<0.05	14.20	76	4.7	
JNL024 05 + 00		0.008	0.05	0.92	11	<0.05	17.40	40	2.9	
JNL024 05 + 50W		0.008	0.08	0.72	16	0.08	2.87	68	2.2	
JNL024 06 + 00		0.011	0.06	1.47	18	0.08	6.76	139	3.8	
JNL024 06 + 50W		0.007	0.08	0.87	19	<0.05	12.90	136	4.2	
JNL024 07 + 00		<0.005	0.06	1.85	15	0.05	14.90	216	2.5	
JNL024 07 + 50W		0.005	0.07	0.39	18	<0.05	8.94	121	4.5	
JNL024 08 + 00		0.005	0.11	1.76	14	0.24	8.94	115	1.7	
JNL024 08 + 50W		0.005	0.07	0.53	17	<0.05	13.10	175	4.2	
JNL024 09 + 00		<0.005	0.13	1.03	13	0.19	11.05	130	2.4	
JNL024 09 + 50W		0.006	0.14	1.59	14	0.23	9.90	121	1.5	
JNL024 10 + 00		<0.005	0.11	1.09	12	0.27	8.90	105	2.1	
JNL024 10 + 50W		0.007	0.07	3.15	13	0.18	10.90	100	3.1	
JNL024 11 +00		<0.005	0.07	0.50	16	0.75	2.01	53	<0.5	
JNL024 11 + 50W		<0.005	0.05	0.98	12	0.06	9.69	161	2.1	
JNL024 12 + 00		0.008	0.08	0.59	19	0.17	2.68	51	<0.5	
JNL024 12 +50W		0.011	0.06	0.41	18	0.23	1.31	37	<0.5	
JNL024 13 + 00		0.008	0.08	0.44	20	0.16	1.35	21	<0.5	
JNL024 13 + 50W		<0.005	0.07	1.59	13	0.08	2.10	48	1.2	
JNL024 14 + 00W		0.005	0.06	0.67	17	0.09	1.83	70	<0.5	2.41
JBJNS001		<0.005	0.26	1.43	38	0.14	12.45	335	3.0	
JBJNS002		<0.005	0.29	1.79	44	0.10	13.75	385	3.1	
JBJNS003		<0.005	0.19	2.30	8	0.30	72.2	315	1.7	
JBJNS004		<0.005	0.20	2.90	8	0.29	101.5	381	1.6	
JNL025 00+00		0.008	0.08	0.39	16	<0.05	16.65	69	4.4	
JNL025 00 + 50W		0.008	0.09	0.35	28	0.08	13.35	57	2.0	
JNL025 01 + 00		0.011	0.09	0.41	25	<0.05	9.87	61	2.0	
JNL025 01 +50W		0.022	0.07	0.40	15	0.05	11.80	43	3.1	
JNL025 02 + 00		0.045	0.13	0.54	29	0.07	12.30	83	5.7	
JNL025 02 + 50W		0.006	0.08	0.38	26	<0.05	8.52	71	2.5	
JNL025 03 + 00		0.005	0.08	0.39	22	0.07	2.86	69	<0.5	
JNL025 03 + 50W		0.009	0.06	0.27	15	<0.05	5.93	72	2.1	
JNL025 04 + 00		0.005	0.07	1.10	22	<0.05	13.65	63	3.3	

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

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ALS Minerals

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

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

CERTIFICATE OF ANALYSIS WH14116723

Sample Description	Method	WEI-21	Au-ST43	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.0001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
JNL025 04 + 50W		0.33	0.0002	0.05	1.80	2.5	<0.2	<10	60	0.96	0.08	1.64	0.81	50.5	7.2	18
JNL025 05 + 00		0.45	0.0001	0.07	1.81	3.0	<0.2	<10	80	0.97	0.09	3.79	0.45	50.0	8.4	18
JNL025 05 + 50W		0.33	0.0002	0.14	1.47	3.7	<0.2	<10	60	0.77	0.08	1.32	0.50	42.8	7.0	14
JNL025 06 + 00		0.42	0.0120	0.26	1.55	55.8	<0.2	<10	70	0.91	0.97	1.58	0.76	44.0	8.8	16
JNL025 06 + 50W		0.37	0.0004	0.06	1.30	4.6	<0.2	<10	80	0.66	0.09	1.39	0.68	39.2	4.4	11
JNL025 07 + 00		0.47	0.0010	0.12	1.72	44.4	<0.2	<10	60	0.52	0.67	0.12	1.09	34.2	9.9	20
JNL025 07 + 50W		0.32	0.0012	0.14	1.80	34.0	<0.2	<10	120	1.09	0.23	1.75	0.71	40.1	10.7	19
JNL025 08 + 00		0.38	<0.0001	0.02	0.94	1.0	<0.2	<10	40	0.31	0.04	1.20	0.55	17.85	2.4	3
JNL025 08 + 50W		0.42	0.0008	0.06	1.17	7.9	<0.2	<10	130	0.78	0.08	1.32	0.47	34.2	5.8	12
JNL025 09 + 00		0.36	0.0004	0.10	0.82	13.0	<0.2	<10	150	0.38	0.14	2.40	0.18	14.60	3.9	7
JNL025 09 + 50W		0.41	0.0006	0.06	1.62	34.9	<0.2	<10	130	0.79	0.40	0.32	0.34	45.8	12.0	22
JNL025 10 + 00		0.54	0.0008	0.10	1.05	27.8	<0.2	<10	40	0.41	0.44	0.02	0.20	31.0	6.4	13
JNL025 10 + 50W		0.58	0.0008	0.08	1.41	24.2	<0.2	<10	80	0.66	0.36	0.20	0.23	36.4	10.0	20
JNL025 11 +00		0.50	0.0042	0.19	0.64	78.3	<0.2	<10	30	0.52	0.39	4.53	0.47	36.4	15.0	15
JNL025 11 + 50W		0.49	0.0011	0.13	1.14	33.7	<0.2	<10	40	0.45	0.41	0.48	0.14	22.9	8.1	12
JNL025 12 + 00		0.43	0.0005	0.06	1.50	20.8	<0.2	<10	60	0.39	0.43	0.06	0.31	34.3	11.4	21
JNL025 12 +50W		0.50	0.0038	0.05	1.50	23.9	<0.2	<10	60	0.49	0.43	0.05	0.16	41.6	12.7	20
JNL025 13 + 00		0.35	0.0039	0.12	1.54	37.7	<0.2	<10	30	0.43	0.36	0.35	0.10	28.0	15.8	23
JNL025 13 + 50W		0.43	0.0037	0.15	1.38	59.5	<0.2	<10	40	0.41	0.43	0.48	0.15	29.7	12.0	20
JNL025 14 + 00W		0.47	0.0061	0.14	1.17	98.1	<0.2	<10	40	0.41	0.50	0.44	0.23	30.2	15.3	20
JNL002 14 + 50W		0.47	0.0031	0.12	1.01	125.0	<0.2	<10	30	0.33	0.55	0.10	0.10	32.8	10.1	20
JNL026 00+00		0.51	0.0009	0.32	1.10	17.6	<0.2	<10	60	0.43	0.32	0.16	0.14	25.2	9.6	12
JNL026 00 + 50E		0.41	0.0038	0.40	0.89	46.5	<0.2	<10	40	0.41	0.37	0.06	0.26	21.1	8.0	10
JNL026 01 + 00		0.49	0.0136	0.80	1.33	108.5	<0.2	<10	40	0.92	3.15	0.04	0.27	45.7	23.4	15
JNL026 01 +50E		0.46	0.0055	0.22	1.28	429	<0.2	<10	40	0.37	0.98	0.04	0.36	28.6	8.6	16
JNL026 02 + 00		0.40	0.0039	0.26	0.86	365	<0.2	<10	40	0.22	0.77	0.02	0.19	21.1	5.4	11
JNL026 02 + 50E		0.39	0.0043	0.29	0.75	341	<0.2	<10	50	0.22	0.83	0.02	0.45	23.8	8.3	12
JNL026 03 + 00		0.48	0.0555	0.21	0.55	378	<0.2	<10	30	0.30	0.67	0.01	0.15	53.8	6.7	9
JNL026 03 + 50E		0.52	0.0051	0.20	0.43	78.3	<0.2	<10	30	0.22	0.30	0.05	0.11	45.3	3.5	6
JNL026 04 + 00		0.62	0.0181	0.26	0.52	194.5	<0.2	<10	30	0.29	0.42	0.01	0.21	71.2	6.7	7
JNL026 04 + 50E		0.43	0.0148	0.38	0.97	157.0	<0.2	<10	30	0.31	0.39	0.06	0.27	23.5	9.7	12
JNL026 05 + 00		0.56	0.0599	0.98	1.23	487	<0.2	<10	40	0.40	1.96	0.01	0.30	61.4	15.5	16
JNL026 05 + 50E		0.56	0.0253	0.57	1.34	178.0	<0.2	<10	30	0.43	0.66	0.02	0.26	38.6	15.1	17
JNL026 06 + 00		0.46	0.0091	0.57	1.17	104.5	<0.2	<10	40	0.27	0.50	0.09	0.20	27.8	8.8	12
JNL026 06 + 50E		0.58	0.0082	0.25	1.13	127.5	<0.2	<10	40	0.23	0.41	0.01	0.20	39.7	6.2	12
JNL026 07 + 00		0.48	0.0027	0.26	2.21	37.5	<0.2	<10	50	0.97	0.64	0.05	0.17	41.7	51.8	26
JNL026 07 + 50E		0.53	0.0034	0.39	2.23	28.2	<0.2	<10	40	0.96	0.70	0.04	0.29	37.3	43.3	26
JNL026 08 + 00		0.58	0.0023	0.26	1.58	25.5	<0.2	<10	40	0.64	0.74	0.04	0.14	29.8	23.2	20
JNL026 08 + 50E		0.52	0.0031	0.54	2.23	76.0	<0.2	<10	40	1.03	1.37	0.02	0.16	68.1	49.8	25
JNL026 09 + 00		0.48	0.0013	0.23	1.46	31.6	<0.2	<10	40	0.64	0.55	0.02	0.21	46.6	16.7	16

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

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

CERTIFICATE OF ANALYSIS WH14116723

Sample Description	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
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
Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
JNL025 04 + 50W	0.60	8.7	1.73	5.77	0.12	0.11	0.02	0.022	0.11	26.8	31.0	2.01	342	0.43	0.01
JNL025 05 + 00	0.72	13.4	1.84	5.54	0.10	0.13	0.03	0.025	0.10	25.4	28.7	1.97	285	0.83	0.01
JNL025 05 + 50W	0.59	12.4	1.54	4.57	0.09	0.09	0.02	0.023	0.08	20.0	22.4	1.48	235	1.48	0.02
JNL025 06 + 00	0.45	16.8	2.41	4.92	0.09	0.10	0.03	0.031	0.07	22.6	23.8	1.16	347	0.62	0.01
JNL025 06 + 50W	0.44	10.1	1.24	3.83	0.08	0.09	0.01	0.020	0.06	22.3	17.7	1.13	228	0.33	0.02
JNL025 07 + 00	0.95	24.0	3.51	5.39	0.06	0.07	0.01	0.024	0.05	17.8	35.2	0.83	304	1.05	0.01
JNL025 07 + 50W	0.79	15.4	2.48	5.59	0.09	0.19	0.03	0.037	0.11	19.9	25.2	1.72	299	0.49	0.01
JNL025 08 + 00	0.23	5.0	0.64	2.03	0.05	0.06	0.02	0.008	0.02	7.6	3.6	0.22	243	0.23	0.03
JNL025 08 + 50W	0.24	8.1	1.65	3.30	0.07	0.09	0.02	0.023	0.06	21.0	13.4	0.84	310	0.47	0.02
JNL025 09 + 00	0.26	12.2	1.00	2.35	<0.05	0.07	0.03	0.010	0.03	7.3	8.8	0.33	270	0.43	0.02
JNL025 09 + 50W	0.83	12.0	3.11	5.25	0.05	0.07	0.02	0.043	0.06	16.6	26.5	0.77	469	0.77	0.01
JNL025 10 + 00	0.79	15.3	3.28	5.39	0.05	0.02	0.02	0.025	0.03	15.9	14.4	0.24	167	0.67	0.01
JNL025 10 + 50W	0.94	20.6	3.84	4.82	0.05	0.02	0.02	0.042	0.05	15.7	20.4	0.51	327	0.58	0.01
JNL025 11 +00	1.04	28.6	3.35	2.13	0.06	0.06	0.06	0.038	0.04	19.2	12.7	0.26	589	0.68	0.01
JNL025 11 + 50W	0.70	21.3	3.22	3.64	0.05	0.03	0.02	0.031	0.03	10.2	20.6	0.31	214	0.43	0.01
JNL025 12 + 00	0.82	17.1	4.71	5.76	0.05	0.02	0.02	0.035	0.05	13.6	21.2	0.69	609	0.89	0.01
JNL025 12 +50W	0.96	20.0	3.23	5.07	0.05	0.02	0.01	0.015	0.04	20.5	35.6	0.52	357	0.55	0.01
JNL025 13 + 00	1.01	24.2	3.42	4.82	<0.05	0.10	0.02	0.027	0.03	15.3	49.6	0.59	456	0.64	0.01
JNL025 13 + 50W	0.83	24.0	3.09	4.27	0.05	0.06	0.03	0.024	0.04	17.5	37.8	0.48	327	0.43	0.01
JNL025 14 + 00W	0.63	33.2	3.52	3.77	0.05	0.10	0.03	0.023	0.05	16.7	31.4	0.41	397	0.61	0.01
JNL002 14 + 50W	0.72	26.6	3.39	3.78	0.05	0.02	0.02	0.017	0.06	17.8	22.5	0.30	212	0.63	0.01
JNL026 00+00	0.83	17.5	2.94	4.09	<0.05	0.05	0.02	0.021	0.05	12.9	21.6	0.25	399	0.33	0.01
JNL026 00 + 50E	0.88	17.4	2.67	2.93	<0.05	0.05	0.04	0.029	0.05	9.5	16.0	0.21	320	0.33	0.01
JNL026 01 + 00	3.15	40.8	4.89	3.90	0.08	0.08	0.03	0.089	0.05	20.9	26.7	0.33	1960	0.49	0.01
JNL026 01 +50E	1.09	23.5	4.12	3.73	<0.05	0.08	0.04	0.037	0.06	13.3	19.7	0.27	537	0.48	<0.01
JNL026 02 + 00	1.25	17.5	2.64	3.77	<0.05	0.03	0.02	0.025	0.04	10.3	4.9	0.07	640	0.57	<0.01
JNL026 02 + 50E	1.63	22.5	3.29	3.54	<0.05	0.02	0.04	0.030	0.04	11.6	3.4	0.06	889	0.56	<0.01
JNL026 03 + 00	2.47	28.1	3.18	2.00	0.06	0.02	0.02	0.033	0.06	26.7	5.9	0.08	306	0.53	<0.01
JNL026 03 + 50E	1.63	10.2	1.59	1.74	0.05	0.02	0.01	0.015	0.06	22.8	5.1	0.06	155	0.31	<0.01
JNL026 04 + 00	1.85	17.5	1.99	1.53	0.07	<0.02	0.01	0.020	0.06	34.9	8.7	0.09	265	0.27	<0.01
JNL026 04 + 50E	0.76	18.0	2.78	2.99	<0.05	0.03	0.03	0.014	0.03	11.7	20.3	0.35	507	0.32	0.01
JNL026 05 + 00	2.49	31.4	4.11	3.55	0.06	0.02	0.13	0.028	0.06	30.1	27.9	0.41	783	0.41	<0.01
JNL026 05 + 50E	2.12	32.2	4.08	3.88	0.05	0.03	0.02	0.035	0.04	19.2	30.2	0.43	858	0.43	<0.01
JNL026 06 + 00	1.16	16.5	2.49	3.43	0.05	0.03	0.02	0.019	0.04	14.1	18.1	0.27	612	0.38	0.01
JNL026 06 + 50E	1.97	14.2	2.70	3.98	0.05	0.02	0.02	0.020	0.05	20.4	16.5	0.24	481	0.42	0.01
JNL026 07 + 00	2.94	56.8	4.57	5.54	0.06	0.05	0.01	0.034	0.04	21.6	51.1	0.68	1370	0.70	0.01
JNL026 07 + 50E	3.08	57.2	5.12	5.28	0.06	0.05	0.03	0.040	0.03	18.2	54.6	0.69	1700	0.54	<0.01
JNL026 08 + 00	2.57	37.6	4.71	4.10	<0.05	0.04	0.02	0.027	0.03	16.3	30.9	0.53	869	0.40	0.01
JNL026 08 + 50E	5.20	74.5	5.70	6.16	0.07	0.05	0.02	0.060	0.04	35.9	42.5	0.58	1940	1.05	<0.01
JNL026 09 + 00	3.11	29.0	4.29	4.72	0.05	0.04	0.01	0.047	0.04	24.9	18.7	0.31	1020	0.61	0.01

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SUITE 200
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Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

CERTIFICATE OF ANALYSIS WH14116723

Sample Description	Method Analyte Units LOR	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
JNL025 04 + 50W		0.31	12.0	1510	9.9	11.1	<0.001	0.08	0.24	2.7	0.8	0.2	90.6	<0.01	<0.01	1.7
JNL025 05 + 00		0.32	13.8	1520	10.3	9.4	<0.001	0.06	0.47	2.6	0.7	0.3	168.5	<0.01	<0.01	1.7
JNL025 05 + 50W		0.31	12.6	970	8.9	8.1	<0.001	0.06	0.84	2.0	0.5	0.2	71.3	<0.01	0.01	1.1
JNL025 06 + 00		0.22	15.0	1220	24.9	9.2	<0.001	0.10	1.35	2.0	0.4	0.5	84.1	<0.01	0.03	1.3
JNL025 06 + 50W		0.25	7.7	1300	7.3	7.0	<0.001	0.09	0.31	1.7	0.9	<0.2	74.4	<0.01	<0.01	0.8
JNL025 07 + 00		0.18	23.3	690	28.5	6.8	<0.001	0.03	1.39	1.4	0.3	0.3	9.6	<0.01	0.02	3.3
JNL025 07 + 50W		0.26	17.6	1250	33.2	9.6	<0.001	0.11	1.02	3.4	1.3	0.4	86.5	<0.01	0.01	2.6
JNL025 08 + 00		0.40	2.3	940	3.3	3.3	<0.001	0.10	0.10	0.5	0.2	<0.2	61.3	0.01	<0.01	0.2
JNL025 08 + 50W		0.25	10.2	1080	9.3	5.9	<0.001	0.09	0.72	2.1	1.3	0.2	78.0	<0.01	0.01	0.9
JNL025 09 + 00		0.30	6.3	1180	8.6	3.6	<0.001	0.15	0.53	0.4	1.8	0.2	143.5	<0.01	0.01	0.3
JNL025 09 + 50W		0.52	20.7	760	70.0	8.8	<0.001	0.04	0.80	2.1	0.8	0.5	29.5	<0.01	0.02	2.4
JNL025 10 + 00		0.43	11.4	490	22.7	7.2	<0.001	0.02	0.71	0.8	0.5	0.3	6.7	<0.01	0.05	3.0
JNL025 10 + 50W		0.29	17.0	650	25.1	8.5	<0.001	0.02	0.92	2.0	0.5	0.3	20.1	<0.01	0.02	3.7
JNL025 11 +00		0.14	31.9	730	28.6	4.7	<0.001	0.09	2.87	3.5	0.9	0.3	178.5	<0.01	0.05	5.0
JNL025 11 + 50W		0.24	18.1	490	40.3	4.9	<0.001	0.03	0.80	1.0	0.3	0.2	37.0	<0.01	0.03	3.3
JNL025 12 + 00		0.61	17.7	890	36.6	7.6	<0.001	0.02	1.01	1.2	0.6	0.3	8.3	<0.01	0.02	2.3
JNL025 12 +50W		0.45	23.8	390	22.1	5.4	<0.001	0.01	0.56	1.4	0.3	0.3	8.1	<0.01	0.01	4.4
JNL025 13 + 00		0.14	29.0	470	33.9	3.9	<0.001	0.04	1.25	1.4	0.4	0.2	40.0	<0.01	0.03	5.4
JNL025 13 + 50W		0.22	26.4	520	25.4	4.0	<0.001	0.04	0.86	1.5	0.4	0.2	45.5	<0.01	0.01	5.5
JNL025 14 + 00W		0.20	31.5	440	25.0	4.3	<0.001	0.06	1.58	1.7	0.7	0.3	34.8	<0.01	0.03	5.9
JNL002 14 + 50W		0.16	26.5	490	18.0	5.0	<0.001	0.03	1.19	1.2	0.3	0.4	13.2	<0.01	0.03	3.5
JNL026 00+00		0.18	18.0	950	24.5	7.9	<0.001	0.05	1.59	0.5	0.3	0.2	12.5	<0.01	0.02	1.2
JNL026 00 + 50E		0.16	18.2	960	34.9	5.7	<0.001	0.06	2.05	0.5	0.2	0.2	9.0	<0.01	0.02	1.2
JNL026 01 + 00		0.09	36.1	1190	65.0	5.2	<0.001	0.03	4.64	1.7	1.0	0.9	7.9	<0.01	0.03	4.2
JNL026 01 +50E		0.31	19.5	1280	52.2	7.5	<0.001	0.08	2.17	0.7	0.6	0.4	7.9	0.01	0.03	2.9
JNL026 02 + 00		0.20	8.7	1530	50.7	9.2	<0.001	0.06	1.58	0.2	0.4	0.4	8.6	0.01	0.03	0.8
JNL026 02 + 50E		0.20	12.3	1270	58.8	8.9	<0.001	0.07	1.97	0.3	0.3	0.5	7.4	<0.01	0.02	0.6
JNL026 03 + 00		0.19	13.3	680	37.9	6.6	<0.001	0.05	3.49	1.1	0.8	0.3	15.0	<0.01	0.03	5.2
JNL026 03 + 50E		0.13	8.5	510	37.9	6.0	<0.001	0.03	1.30	0.5	0.3	<0.2	13.7	<0.01	0.01	1.9
JNL026 04 + 00		0.05	13.0	340	65.5	5.3	<0.001	0.03	1.69	1.1	0.5	0.2	15.2	<0.01	<0.01	7.3
JNL026 04 + 50E		0.16	17.3	720	29.7	3.0	<0.001	0.05	1.88	0.7	<0.2	<0.2	8.6	<0.01	0.02	1.9
JNL026 05 + 00		0.12	24.3	610	57.3	6.0	<0.001	0.05	4.98	1.4	0.2	1.0	18.1	<0.01	0.03	7.7
JNL026 05 + 50E		0.12	26.2	600	108.5	5.1	<0.001	0.03	3.18	1.3	0.5	0.2	11.4	<0.01	0.02	5.6
JNL026 06 + 00		0.22	13.5	870	70.6	6.0	<0.001	0.06	1.73	0.4	0.2	0.2	14.7	<0.01	0.02	0.9
JNL026 06 + 50E		0.30	12.6	640	53.9	10.5	<0.001	0.03	1.25	0.5	<0.2	0.2	7.0	<0.01	0.02	1.3
JNL026 07 + 00		0.32	39.6	670	95.3	4.6	<0.001	0.04	1.74	1.7	0.3	0.2	12.7	<0.01	0.04	7.0
JNL026 07 + 50E		0.16	42.7	860	88.0	4.5	<0.001	0.03	2.92	2.3	0.5	0.2	8.4	<0.01	0.03	8.9
JNL026 08 + 00		0.07	32.7	690	48.2	4.0	<0.001	0.04	2.17	1.7	0.4	0.2	5.7	<0.01	0.03	6.0
JNL026 08 + 50E		0.33	36.1	1190	113.0	7.3	<0.001	0.03	2.80	2.2	0.7	0.5	6.6	<0.01	0.04	8.7
JNL026 09 + 00		0.28	19.9	940	92.1	7.1	<0.001	0.04	2.46	1.2	0.4	0.3	5.2	<0.01	0.04	3.3

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

ALS Minerals

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

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

CERTIFICATE OF ANALYSIS WH14116723

Sample Description	Method / Analyte / Units / LOR	ME- MS41 Ti % 0.005	ME- MS41 Tl ppm 0.02	ME- MS41 U ppm 0.05	ME- MS41 V ppm 1	ME- MS41 W ppm 0.05	ME- MS41 Y ppm 0.05	ME- MS41 Zn ppm 2	ME- MS41 Zr ppm 0.5	Au- AROR43 Au ppm 0.01
JNL025 04 + 50W		0.009	0.06	0.41	16	<0.05	12.35	75	3.4	
JNL025 05 + 00		0.009	0.09	0.39	16	<0.05	13.55	76	3.6	
JNL025 05 + 50W		0.008	0.06	0.32	16	<0.05	9.37	75	2.8	
JNL025 06 + 00		<0.005	0.05	0.53	14	<0.05	10.50	108	2.5	
JNL025 06 + 50W		0.010	0.06	0.52	12	<0.05	11.40	64	2.6	
JNL025 07 + 00		<0.005	0.06	0.48	17	<0.05	3.34	134	2.0	
JNL025 07 + 50W		<0.005	0.08	1.25	15	<0.05	11.00	125	5.5	
JNL025 08 + 00		0.014	0.03	0.57	6	<0.05	4.17	64	2.2	
JNL025 08 + 50W		0.005	0.04	1.62	11	<0.05	11.75	46	2.5	
JNL025 09 + 00		0.006	0.03	9.67	7	<0.05	4.26	25	1.9	
JNL025 09 + 50W		0.011	0.11	0.80	22	0.79	6.63	114	1.8	
JNL025 10 + 00		0.006	0.06	0.53	19	0.46	1.96	49	0.5	
JNL025 10 + 50W		<0.005	0.07	0.61	20	0.19	4.13	64	0.5	
JNL025 11 +00		<0.005	0.11	1.89	12	0.24	11.05	103	1.8	
JNL025 11 + 50W		<0.005	0.06	0.76	11	0.39	3.59	64	0.9	
JNL025 12 + 00		0.010	0.06	0.53	19	0.10	2.48	70	0.6	
JNL025 12 +50W		0.009	0.05	0.64	18	0.48	3.45	74	0.6	
JNL025 13 + 00		<0.005	0.04	2.16	14	0.11	4.41	93	2.7	
JNL025 13 + 50W		<0.005	0.06	1.80	14	0.12	5.14	73	1.6	
JNL025 14 + 00W		<0.005	0.05	1.90	14	0.15	4.76	96	2.9	
JNL002 14 + 50W		<0.005	0.08	1.24	17	0.20	3.20	82	<0.5	
JNL026 00+00		<0.005	0.05	0.66	10	<0.05	2.98	72	1.3	
JNL026 00 + 50E		<0.005	0.03	0.76	9	0.08	2.94	83	1.3	
JNL026 01 + 00		<0.005	0.08	1.32	10	0.05	12.30	130	2.1	
JNL026 01 +50E		0.007	0.06	0.91	12	0.07	3.89	108	2.6	
JNL026 02 + 00		0.006	0.09	0.67	13	0.08	2.34	59	1.1	
JNL026 02 + 50E		0.006	0.09	0.85	14	0.08	2.66	88	0.5	
JNL026 03 + 00		0.005	0.10	1.11	9	0.11	3.79	67	0.7	
JNL026 03 + 50E		<0.005	0.04	0.69	5	0.08	2.73	47	0.5	
JNL026 04 + 00		<0.005	0.07	1.17	5	0.20	5.03	67	<0.5	
JNL026 04 + 50E		0.006	0.03	0.81	8	<0.05	2.76	86	1.2	
JNL026 05 + 00		<0.005	0.33	1.39	9	0.33	5.31	115	0.6	
JNL026 05 + 50E		<0.005	0.07	1.14	10	0.07	4.57	160	0.9	
JNL026 06 + 00		0.008	0.05	0.68	10	0.06	2.22	84	1.0	
JNL026 06 + 50E		0.007	0.08	0.59	13	0.08	1.90	100	0.6	
JNL026 07 + 00		0.008	0.09	1.93	17	0.07	6.77	161	1.5	
JNL026 07 + 50E		<0.005	0.07	2.20	15	<0.05	10.60	162	1.8	
JNL026 08 + 00		<0.005	0.06	1.54	12	<0.05	7.31	129	1.3	
JNL026 08 + 50E		0.006	0.12	3.01	19	0.06	8.52	171	1.6	
JNL026 09 + 00		0.006	0.08	1.48	17	0.06	4.60	148	1.2	

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

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

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

CERTIFICATE OF ANALYSIS WH14116723

Sample Description	Method	WEI- 21	Au- ST43	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.0001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
JNL026 09 + 50E		0.50	0.0013	0.25	1.75	17.4	<0.2	<10	30	0.85	0.61	0.05	0.66	59.7	14.8	19
JNL026 10 + 00		0.49	0.0017	0.14	1.33	22.6	<0.2	<10	50	0.53	0.60	0.03	0.59	35.3	14.2	20
JNL027 00+00		0.39	0.0027	0.50	0.53	17.3	<0.2	<10	20	0.18	0.13	0.04	0.16	9.60	4.0	5
JNL027 00 + 50W		0.45	0.0069	0.55	1.26	125.0	<0.2	<10	40	0.27	0.52	0.01	0.11	45.2	6.3	18
JNL027 01 + 00		0.52	0.0076	0.22	0.89	160.5	<0.2	<10	40	0.26	0.45	0.02	0.10	31.1	5.6	14
JNL027 01 +50W		0.48	0.0028	0.24	0.74	135.5	<0.2	<10	50	0.26	0.53	0.03	0.38	31.9	6.9	12
JNL027 02 + 00		0.54	0.0038	0.13	0.96	82.5	<0.2	<10	30	0.35	0.42	0.02	0.24	35.9	6.0	11
JNL027 02 + 50W		0.56	0.0055	0.41	0.51	99.0	<0.2	<10	20	0.20	0.45	0.01	0.09	58.3	3.9	11
JNL027 03 + 00		0.55	0.0049	0.18	1.10	59.4	<0.2	<10	30	0.42	0.67	0.03	0.16	36.3	10.6	16
JNL027 03 + 50W		0.59	0.0008	0.15	0.42	62.3	<0.2	<10	40	0.19	0.29	0.01	0.13	33.6	3.8	6
JNL027 04 + 00		0.38	0.0005	0.18	0.61	22.5	<0.2	<10	50	0.20	0.19	0.03	0.27	13.95	5.2	6
JNL027 04 + 50W		0.47	0.0066	0.30	0.44	63.4	<0.2	<10	20	0.21	0.45	0.02	0.14	24.2	3.8	10
JNL027 05 + 00		0.44	0.0020	0.29	0.95	35.7	<0.2	<10	30	0.20	0.31	0.02	0.09	19.05	7.4	11
JNL027 05 + 50W		0.51	0.0014	0.24	1.51	31.3	<0.2	<10	50	0.53	0.45	0.04	0.77	24.1	17.7	19
JNL027 06 + 00		0.48	0.0010	0.16	0.95	22.9	<0.2	<10	30	0.31	0.26	0.02	0.09	18.05	4.9	9
JNL027 06 + 50W		0.55	0.0041	0.19	1.68	47.5	<0.2	<10	50	0.69	0.44	0.08	0.18	47.2	16.1	19
JNL027 07 + 00		0.54	0.0006	0.04	1.02	12.4	<0.2	<10	40	0.26	0.28	0.05	0.19	23.6	6.0	10
JNL027 07 + 50W		0.48	0.0040	0.51	0.92	58.2	<0.2	<10	40	0.75	0.51	0.53	0.14	26.3	12.8	12
JNL027 08 + 00		0.48	0.0003	0.16	1.12	9.0	<0.2	<10	60	0.46	0.24	0.15	0.21	24.1	8.2	11
JNL027 08 + 50W		0.46	0.0005	0.10	1.16	9.2	<0.2	<10	40	0.23	0.27	0.02	0.08	26.2	4.2	11
JNL027 09 + 00		0.47	0.0006	0.08	1.20	9.1	<0.2	<10	40	0.31	0.26	0.02	0.09	28.7	6.4	12
JNL027 09 + 50W		0.38	0.0006	0.14	0.63	7.1	<0.2	<10	20	0.24	0.16	0.03	0.08	17.70	4.0	6
JNL027 10 + 00		0.44	0.0002	0.02	1.00	17.3	<0.2	<10	50	0.19	0.35	0.02	0.08	33.5	6.8	12
JNL028 00+00		0.43	0.0020	0.17	1.23	25.9	<0.2	<10	30	0.57	0.48	0.02	0.18	39.0	17.5	15
JNL028 00 + 50E		0.47	0.0011	0.09	1.23	21.0	<0.2	<10	40	0.58	0.39	0.05	0.17	43.1	13.7	14
JNL028 01 + 00		0.48	0.0014	0.18	1.17	11.8	<0.2	<10	40	0.41	0.33	0.03	0.09	33.7	5.9	12
JNL028 01 +50E		0.42	0.0014	0.18	1.32	20.0	<0.2	<10	40	0.50	0.40	0.03	0.21	32.3	13.9	15
JNL028 02 + 00		0.47	0.0008	0.10	1.35	23.8	<0.2	<10	30	0.37	0.42	0.02	0.15	30.5	11.4	17
JNL028 02 + 50E		0.45	0.0008	0.16	1.12	17.0	<0.2	<10	40	0.48	0.33	0.54	0.13	25.0	11.2	13
JNL028 03 + 00		0.46	0.0008	0.13	1.01	13.0	<0.2	<10	40	0.30	0.29	0.02	0.14	25.4	5.2	11
JNL028 03 + 50E		0.41	0.0030	0.15	0.73	45.8	<0.2	<10	50	0.35	0.37	0.17	0.18	27.3	8.7	10
JNL028 04 + 00		0.45	0.0011	0.32	1.04	11.9	<0.2	<10	40	0.37	0.28	0.03	0.22	25.7	10.0	11
JNL028 04 + 50E		0.48	0.0008	0.86	1.30	8.5	<0.2	<10	30	0.40	0.18	0.09	0.13	17.50	5.9	9
JNL028 05 + 00		0.42	0.0012	0.38	1.34	24.0	<0.2	<10	40	0.48	0.37	0.06	0.15	32.0	9.2	15
JNL028 05 + 50E		0.49	0.0012	0.36	1.24	23.7	<0.2	<10	50	0.46	0.37	0.06	0.33	36.1	10.3	14
JNL028 06 + 00		0.49	0.0014	0.26	1.17	22.4	<0.2	<10	50	0.43	0.34	0.03	0.25	26.1	10.9	12
JNL028 06 + 50E		0.35	0.0012	0.09	0.32	24.8	<0.2	<10	30	0.09	0.14	0.03	0.09	10.70	2.5	4
JNL028 07 + 00		0.49	0.0051	0.30	1.21	70.2	<0.2	<10	30	0.31	0.47	0.01	0.14	44.5	10.0	16
JNL028 07 + 50E		0.50	0.0024	0.14	0.35	37.3	<0.2	<10	20	0.10	0.38	0.01	0.04	28.6	1.8	8
JNL028 08 + 00		0.51	0.0066	0.35	1.06	88.1	<0.2	<10	40	0.31	0.45	0.04	0.20	33.9	7.7	15

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Finalized Date: 14- AUG- 2014
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CERTIFICATE OF ANALYSIS WH14116723

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
JNL026 09 + 50E		4.09	30.5	4.82	4.64	0.06	0.06	0.03	0.067	0.04	32.1	28.6	0.41	724	0.40	<0.01
JNL026 10 + 00		2.19	21.0	4.89	5.26	0.05	0.05	0.03	0.084	0.05	18.9	12.0	0.23	1740	0.52	<0.01
JNL027 00+00		0.53	8.0	1.02	1.73	<0.05	<0.02	0.03	0.006	0.03	4.8	6.1	0.10	196	0.24	0.02
JNL027 00 + 50W		1.56	19.6	3.38	4.58	0.05	0.03	0.03	0.020	0.04	23.7	20.3	0.29	513	0.43	<0.01
JNL027 01 + 00		1.30	16.3	3.30	4.11	<0.05	<0.02	0.04	0.021	0.05	15.9	6.3	0.11	574	0.47	0.01
JNL027 01 +50W		1.47	17.2	2.87	3.64	0.05	<0.02	0.04	0.021	0.07	16.1	2.8	0.05	750	0.59	0.01
JNL027 02 + 00		0.97	16.3	2.58	2.89	<0.05	0.02	0.01	0.020	0.06	17.7	14.5	0.20	272	0.30	0.01
JNL027 02 + 50W		1.40	16.6	2.18	1.95	0.06	<0.02	0.03	0.017	0.05	28.9	6.2	0.09	209	0.34	<0.01
JNL027 03 + 00		1.08	19.9	3.34	2.61	<0.05	0.02	0.02	0.030	0.05	17.5	20.2	0.25	538	0.32	<0.01
JNL027 03 + 50W		1.37	9.1	1.30	1.85	<0.05	<0.02	0.01	0.011	0.05	17.2	1.2	0.01	293	0.32	<0.01
JNL027 04 + 00		0.67	9.4	1.60	2.71	<0.05	<0.02	0.03	0.010	0.04	7.2	3.8	0.07	504	0.34	0.01
JNL027 04 + 50W		0.81	15.6	1.63	1.58	<0.05	<0.02	0.02	0.021	0.03	12.3	5.0	0.07	185	0.34	<0.01
JNL027 05 + 00		0.76	15.3	2.66	3.97	<0.05	<0.02	0.03	0.021	0.03	10.0	11.7	0.16	529	0.38	0.01
JNL027 05 + 50W		0.84	28.7	4.00	4.28	<0.05	0.08	0.02	0.030	0.04	11.9	41.3	0.51	882	0.38	<0.01
JNL027 06 + 00		0.68	13.0	1.98	2.85	<0.05	0.03	0.02	0.015	0.04	9.0	15.4	0.20	187	0.25	0.01
JNL027 06 + 50W		0.90	30.3	4.02	4.04	0.06	0.04	0.02	0.031	0.06	21.5	42.1	0.52	618	0.30	<0.01
JNL027 07 + 00		0.78	11.0	2.59	4.05	<0.05	0.02	0.03	0.018	0.05	12.1	11.4	0.14	512	0.58	0.01
JNL027 07 + 50W		2.50	29.8	3.93	2.31	0.05	0.08	0.03	0.031	0.04	14.2	23.0	0.25	224	0.51	<0.01
JNL027 08 + 00		1.20	15.3	2.38	3.60	<0.05	0.04	0.04	0.033	0.04	11.8	17.0	0.19	838	0.38	0.01
JNL027 08 + 50W		0.93	11.1	2.07	4.18	0.05	0.02	0.02	0.017	0.04	13.3	16.0	0.21	134	0.47	<0.01
JNL027 09 + 00		0.91	13.9	2.35	3.99	<0.05	0.04	0.02	0.025	0.03	14.1	19.3	0.19	346	0.44	0.01
JNL027 09 + 50W		0.43	7.6	1.42	2.35	<0.05	0.02	0.02	0.017	0.03	8.3	10.4	0.13	201	0.26	0.01
JNL027 10 + 00		1.09	14.5	3.13	4.54	<0.05	<0.02	0.01	0.021	0.03	17.4	7.8	0.12	388	0.54	<0.01
JNL028 00+00		0.90	32.5	4.50	3.25	0.05	0.08	0.03	0.052	0.03	18.4	24.1	0.30	765	0.42	<0.01
JNL028 00 + 50E		0.82	19.1	4.00	3.45	0.05	0.04	0.02	0.049	0.03	17.4	21.0	0.25	701	0.45	<0.01
JNL028 01 + 00		0.79	21.5	2.61	3.59	<0.05	0.07	0.02	0.035	0.03	17.1	21.7	0.24	269	0.36	0.01
JNL028 01 +50E		0.95	23.5	3.97	3.45	<0.05	0.04	0.03	0.051	0.03	14.8	18.5	0.21	876	0.50	<0.01
JNL028 02 + 00		0.98	20.6	4.41	4.13	0.05	0.03	0.03	0.041	0.03	14.4	22.7	0.27	541	0.49	<0.01
JNL028 02 + 50E		0.79	19.4	3.37	3.25	<0.05	0.03	0.03	0.031	0.03	12.1	15.0	0.15	880	0.49	<0.01
JNL028 03 + 00		0.83	13.1	2.21	3.29	<0.05	<0.02	0.03	0.025	0.04	12.5	16.4	0.20	385	0.44	0.01
JNL028 03 + 50E		1.17	17.2	3.01	2.79	<0.05	0.03	0.02	0.023	0.06	14.3	10.6	0.13	477	0.46	<0.01
JNL028 04 + 00		0.76	17.5	2.58	3.32	<0.05	<0.02	0.03	0.019	0.05	12.4	16.7	0.20	598	0.34	0.01
JNL028 04 + 50E		0.44	11.3	1.94	3.63	<0.05	0.02	0.03	0.015	0.04	8.7	17.3	0.18	197	0.28	0.01
JNL028 05 + 00		0.80	21.5	3.80	4.15	<0.05	0.07	0.03	0.026	0.06	16.3	29.5	0.31	371	0.34	0.01
JNL028 05 + 50E		0.77	22.3	3.38	3.56	<0.05	0.06	0.02	0.020	0.07	18.0	30.7	0.35	388	0.30	<0.01
JNL028 06 + 00		0.82	17.7	2.72	3.52	<0.05	0.02	0.04	0.019	0.05	12.9	22.5	0.23	669	0.32	0.01
JNL028 06 + 50E		0.43	5.3	0.88	1.92	<0.05	<0.02	0.02	0.007	0.03	5.5	2.6	0.04	158	0.21	0.02
JNL028 07 + 00		1.23	22.6	3.36	4.02	0.05	0.05	0.03	0.018	0.04	23.4	30.0	0.37	645	0.32	<0.01
JNL028 07 + 50E		1.24	10.6	1.42	1.57	<0.05	<0.02	0.02	0.010	0.04	15.0	3.5	0.04	47	0.27	<0.01
JNL028 08 + 00		1.38	20.9	3.17	3.70	0.05	0.03	0.04	0.018	0.05	18.3	20.4	0.29	354	0.33	0.01

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

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ALS Minerals

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

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

CERTIFICATE OF ANALYSIS WH14116723

Sample Description	Method / Analyte / Units / LOR	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
JNL026 09 + 50E		0.19	25.7	1040	159.5	5.7	<0.001	0.06	1.96	1.2	0.3	0.3	5.8	<0.01	0.07	3.4
JNL026 10 + 00		0.34	14.8	1510	338	7.4	<0.001	0.08	3.62	0.7	0.3	0.5	6.8	<0.01	0.03	1.2
JNL027 00+00		0.15	5.6	740	11.1	3.3	<0.001	0.06	0.43	0.1	<0.2	<0.2	6.0	<0.01	<0.01	<0.2
JNL027 00 + 50W		0.27	14.1	920	43.3	7.9	<0.001	0.04	1.29	0.7	0.3	0.3	9.1	<0.01	0.03	2.8
JNL027 01 + 00		0.21	9.8	1270	45.0	7.7	<0.001	0.07	1.50	0.2	0.3	0.3	8.2	<0.01	0.02	0.4
JNL027 01 +50W		0.17	8.9	1350	52.9	8.8	<0.001	0.07	1.37	0.2	0.4	0.3	9.1	<0.01	0.03	0.2
JNL027 02 + 00		0.16	14.5	670	34.7	6.8	<0.001	0.03	1.14	0.5	<0.2	0.2	8.2	<0.01	0.02	1.5
JNL027 02 + 50W		0.10	9.9	560	37.5	5.7	<0.001	0.02	1.03	0.6	0.3	0.2	9.1	<0.01	0.02	3.2
JNL027 03 + 00		0.06	25.6	630	37.4	4.5	<0.001	0.02	1.28	0.6	0.3	0.2	6.9	<0.01	0.02	2.3
JNL027 03 + 50W		0.06	7.1	690	21.3	10.4	<0.001	0.03	0.64	0.1	0.2	0.3	4.8	<0.01	0.02	0.2
JNL027 04 + 00		0.13	7.1	910	12.3	9.6	<0.001	0.07	0.67	0.1	<0.2	0.2	5.2	<0.01	0.01	<0.2
JNL027 04 + 50W		0.12	9.8	610	23.6	4.4	<0.001	0.03	0.97	0.4	0.2	0.2	5.9	<0.01	0.01	1.2
JNL027 05 + 00		0.16	12.7	920	28.4	5.8	<0.001	0.05	1.45	0.2	0.3	0.2	4.9	<0.01	0.02	<0.2
JNL027 05 + 50W		0.16	28.6	1150	46.6	6.3	<0.001	0.04	1.35	1.2	0.3	0.2	6.5	<0.01	0.02	3.4
JNL027 06 + 00		0.14	13.3	720	20.7	5.9	<0.001	0.04	0.90	0.3	0.2	<0.2	3.7	<0.01	0.02	0.5
JNL027 06 + 50W		0.08	37.0	530	51.9	4.6	<0.001	0.01	1.88	1.9	0.5	0.2	10.1	<0.01	0.03	6.6
JNL027 07 + 00		0.28	10.5	940	15.1	9.0	<0.001	0.06	0.98	0.3	<0.2	0.2	6.2	<0.01	0.02	0.5
JNL027 07 + 50W		0.08	34.3	620	46.3	4.4	<0.001	0.04	2.93	2.5	0.9	<0.2	42.9	<0.01	0.02	4.9
JNL027 08 + 00		0.27	14.2	1210	26.2	8.0	<0.001	0.06	0.97	0.8	0.3	0.2	13.7	<0.01	0.02	1.0
JNL027 08 + 50W		0.41	11.9	610	15.0	8.0	<0.001	0.03	0.65	0.4	0.2	0.3	4.0	<0.01	0.02	0.7
JNL027 09 + 00		0.33	12.4	870	15.8	8.0	<0.001	0.04	1.19	0.7	0.4	0.2	4.0	<0.01	0.02	1.4
JNL027 09 + 50W		0.23	8.6	620	13.1	4.1	<0.001	0.04	0.81	0.5	0.3	<0.2	4.9	<0.01	0.01	0.5
JNL027 10 + 00		0.46	13.3	630	23.5	6.2	<0.001	0.03	1.44	0.7	0.3	0.4	4.5	<0.01	0.02	1.1
JNL028 00+00		0.10	27.8	1090	63.6	5.2	<0.001	0.04	2.90	1.6	0.6	<0.2	4.8	<0.01	0.03	4.4
JNL028 00 + 50E		0.31	23.2	900	46.5	5.0	<0.001	0.05	2.41	1.5	0.5	0.2	6.7	0.01	0.02	3.2
JNL028 01 + 00		0.17	15.9	1010	26.1	7.9	<0.001	0.05	1.22	1.0	0.4	0.2	4.3	<0.01	0.02	2.4
JNL028 01 +50E		0.30	19.9	1180	47.4	7.1	<0.001	0.06	2.30	0.8	0.6	0.2	4.7	0.01	0.03	1.7
JNL028 02 + 00		0.43	22.0	910	39.4	5.7	<0.001	0.06	2.15	0.7	0.5	0.3	4.6	<0.01	0.03	1.2
JNL028 02 + 50E		0.29	16.4	1130	37.8	7.9	<0.001	0.08	1.98	0.9	0.5	0.2	39.8	<0.01	0.02	1.4
JNL028 03 + 00		0.23	11.6	1000	21.7	7.4	<0.001	0.06	1.23	0.4	0.4	0.2	4.1	<0.01	0.01	0.4
JNL028 03 + 50E		0.18	17.3	1060	28.6	8.7	<0.001	0.07	1.79	0.7	0.3	0.3	19.4	<0.01	0.02	1.3
JNL028 04 + 00		0.22	17.0	980	27.0	5.9	<0.001	0.06	1.33	0.3	0.4	0.2	4.8	<0.01	0.03	0.4
JNL028 04 + 50E		0.30	12.6	810	19.0	3.2	<0.001	0.05	0.83	0.3	0.3	<0.2	8.3	<0.01	0.02	0.2
JNL028 05 + 00		0.23	22.7	1120	36.8	6.3	<0.001	0.06	1.84	0.8	0.4	<0.2	7.4	<0.01	0.02	2.4
JNL028 05 + 50E		0.13	25.6	930	29.9	6.4	<0.001	0.04	1.70	0.7	0.4	<0.2	8.8	<0.01	0.03	2.2
JNL028 06 + 00		0.21	17.5	1130	33.4	7.7	<0.001	0.06	1.42	0.4	0.3	0.2	5.2	<0.01	0.03	0.7
JNL028 06 + 50E		0.14	3.6	560	11.7	3.8	<0.001	0.04	0.42	0.1	0.2	<0.2	5.7	<0.01	0.01	<0.2
JNL028 07 + 00		0.18	19.6	890	43.0	5.9	<0.001	0.05	1.54	0.8	0.3	0.2	6.8	<0.01	0.02	3.1
JNL028 07 + 50E		0.09	5.1	550	26.1	5.4	<0.001	0.02	0.67	0.4	0.2	<0.2	4.8	<0.01	0.06	1.7
JNL028 08 + 00		0.18	18.4	1210	30.1	7.9	<0.001	0.06	1.68	0.6	0.3	0.2	9.4	<0.01	0.02	1.8

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

ALS Minerals

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

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

CERTIFICATE OF ANALYSIS WH14116723

Sample Description	Method / Analyte / Units / LOR	ME- MS41 Ti % 0.005	ME- MS41 Tl ppm 0.02	ME- MS41 U ppm 0.05	ME- MS41 V ppm 1	ME- MS41 W ppm 0.05	ME- MS41 Y ppm 0.05	ME- MS41 Zn ppm 2	ME- MS41 Zr ppm 0.5	Au- AROR43 Au ppm 0.01
JNL026 09 + 50E		<0.005	0.06	1.07	14	0.30	3.92	220	1.9	
JNL026 10 + 00		0.006	0.07	0.95	21	0.06	3.62	244	1.6	
JNL027 00+00		<0.005	0.02	0.60	7	<0.05	1.77	27	<0.5	
JNL027 00 + 50W		<0.005	0.09	0.91	13	0.09	2.70	71	1.0	
JNL027 01 + 00		0.005	0.08	0.80	13	0.09	2.24	76	<0.5	
JNL027 01 +50W		0.005	0.06	0.93	15	0.11	2.30	67	<0.5	
JNL027 02 + 00		<0.005	0.05	0.75	9	0.09	2.84	75	0.5	
JNL027 02 + 50W		<0.005	0.08	0.74	7	0.17	2.81	50	<0.5	
JNL027 03 + 00		<0.005	0.06	0.92	9	0.11	4.63	89	0.7	
JNL027 03 + 50W		<0.005	0.08	0.38	8	0.09	1.60	43	<0.5	
JNL027 04 + 00		<0.005	0.05	0.46	11	0.11	1.31	46	<0.5	
JNL027 04 + 50W		<0.005	0.05	0.92	6	0.06	2.08	54	<0.5	
JNL027 05 + 00		<0.005	0.06	0.68	11	<0.05	2.15	58	<0.5	
JNL027 05 + 50W		<0.005	0.05	0.83	11	<0.05	4.39	158	2.7	
JNL027 06 + 00		<0.005	0.05	0.58	8	<0.05	3.05	58	1.1	
JNL027 06 + 50W		<0.005	0.05	1.03	10	<0.05	9.91	119	1.4	
JNL027 07 + 00		0.006	0.05	0.62	13	0.05	2.74	61	0.8	
JNL027 07 + 50W		<0.005	0.05	3.41	9	<0.05	14.20	114	2.7	
JNL027 08 + 00		0.007	0.05	1.19	10	0.05	7.05	75	1.4	
JNL027 08 + 50W		0.006	0.09	0.63	13	0.08	2.02	50	0.7	
JNL027 09 + 00		0.006	0.08	0.68	12	0.06	3.35	47	1.2	
JNL027 09 + 50W		0.008	0.04	0.59	7	0.05	3.84	34	0.5	
JNL027 10 + 00		0.008	0.14	0.66	20	0.10	2.27	53	<0.5	
JNL028 00+00		<0.005	0.08	1.03	8	<0.05	6.27	78	2.4	
JNL028 00 + 50E		0.006	0.06	0.98	12	0.07	6.78	71	1.1	
JNL028 01 + 00		<0.005	0.07	0.79	9	<0.05	4.93	50	1.8	
JNL028 01 +50E		0.007	0.06	1.01	13	0.06	5.78	72	1.1	
JNL028 02 + 00		0.009	0.07	0.85	14	0.10	3.14	67	0.7	
JNL028 02 + 50E		0.006	0.06	1.41	11	<0.05	6.42	62	1.0	
JNL028 03 + 00		0.007	0.06	0.72	11	0.06	3.62	55	<0.5	
JNL028 03 + 50E		<0.005	0.06	0.95	9	<0.05	2.53	86	0.9	
JNL028 04 + 00		0.005	0.05	0.71	10	<0.05	3.52	59	<0.5	
JNL028 04 + 50E		0.009	0.04	0.57	9	0.05	2.82	46	0.5	
JNL028 05 + 00		<0.005	0.04	0.86	10	<0.05	4.76	82	2.2	
JNL028 05 + 50E		<0.005	0.05	0.80	9	<0.05	3.71	92	1.8	
JNL028 06 + 00		0.005	0.06	0.72	10	<0.05	3.27	67	0.7	
JNL028 06 + 50E		0.007	0.03	0.36	7	0.06	0.72	18	<0.5	
JNL028 07 + 00		0.005	0.05	0.85	10	0.08	2.58	79	1.3	
JNL028 07 + 50E		<0.005	0.07	0.48	6	0.14	1.51	24	<0.5	
JNL028 08 + 00		<0.005	0.08	0.83	11	0.08	2.20	84	0.8	

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

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

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

CERTIFICATE OF ANALYSIS WH14116723

Sample Description	Method	WEI- 21	Au- ST43	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.0001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
JNL028 08 + 50E		0.50	0.0046	0.34	1.34	72.9	<0.2	<10	30	0.27	0.57	0.01	0.14	38.8	9.1	17
JNL028 09 + 00		0.47	0.0040	0.42	0.95	59.2	<0.2	<10	40	0.27	0.44	0.01	0.15	27.0	6.8	12
JNL028 09 + 50E		0.50	0.0038	0.31	0.83	63.8	<0.2	<10	30	0.19	0.57	0.01	0.06	40.9	4.1	12
JNL028 10 + 00E		0.43	0.0023	0.45	0.44	35.9	<0.2	<10	30	0.17	0.26	0.03	0.17	21.2	3.8	7

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CRANBROOK BC V1C 2R7

Finalized Date: 14- AUG- 2014
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CERTIFICATE OF ANALYSIS WH14116723

Sample Description	Method Analyte Units LOR	ME- MS41 Cs ppm 0.05	ME- MS41 Cu ppm 0.2	ME- MS41 Fe % 0.01	ME- MS41 Ga ppm 0.05	ME- MS41 Ge ppm 0.05	ME- MS41 Hf ppm 0.02	ME- MS41 Hg ppm 0.01	ME- MS41 In ppm 0.005	ME- MS41 K % 0.01	ME- MS41 La ppm 0.2	ME- MS41 Li ppm 0.1	ME- MS41 Mg % 0.01	ME- MS41 Mn ppm 5	ME- MS41 Mo ppm 0.05	ME- MS41 Na % 0.01
JNL028 08 + 50E		1.54	25.0	3.83	4.50	0.05	0.04	0.03	0.020	0.03	21.2	27.7	0.41	484	0.36	<0.01
JNL028 09 + 00		1.20	19.3	2.89	3.76	<0.05	0.02	0.04	0.024	0.05	13.9	12.0	0.13	511	0.48	0.01
JNL028 09 + 50E		1.52	16.3	2.88	3.28	0.05	0.02	0.03	0.021	0.05	21.3	11.1	0.13	150	0.41	0.01
JNL028 10 + 00E		0.90	13.1	1.31	1.94	<0.05	<0.02	0.03	0.013	0.05	10.9	3.8	0.06	173	0.31	0.01

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

ALS Minerals

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

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

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

CERTIFICATE OF ANALYSIS WH14116723

Sample Description	Method Analyte Units LOR	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
JNL028 08 + 50E		0.19	22.0	890	43.6	6.3	<0.001	0.04	2.29	0.9	0.3	0.2	5.9	<0.01	0.02	3.1
JNL028 09 + 00		0.19	13.5	1160	35.6	10.0	<0.001	0.05	1.75	0.4	0.3	0.3	4.4	<0.01	0.03	0.6
JNL028 09 + 50E		0.24	10.9	880	42.5	8.2	<0.001	0.04	1.28	0.5	0.3	0.2	6.1	<0.01	0.02	1.3
JNL028 10 + 00E		0.10	7.2	970	27.7	5.5	<0.001	0.07	0.96	0.1	0.3	0.2	5.9	<0.01	0.02	<0.2

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SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

CERTIFICATE OF ANALYSIS WH14116723

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Au- AROR43
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr	Au
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
JNL028 08 + 50E		<0.005	0.07	0.85	12	0.06	2.58	97	1.0	
JNL028 09 + 00		0.005	0.08	0.76	13	0.08	2.35	72	0.6	
JNL028 09 + 50E		0.005	0.09	0.71	11	0.22	2.20	50	0.5	
JNL028 10 + 00E		<0.005	0.07	0.62	8	0.09	1.40	38	<0.5	

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

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

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

CERTIFICATE OF ANALYSIS WH14116723

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

Applies to Method: ME- MS41

LABORATORY ADDRESSES

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

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

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

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

ALS Minerals
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVENUE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 14- AUG- 2014
Account: TELOEX

QC CERTIFICATE WH14116723

Project: ALSM

P.O. No.: JN14- 001

This report is for 164 Soil samples submitted to our lab in Whitehorse, YT, Canada on 2- AUG- 2014.

The following have access to data associated with this certificate:

JESSE CAMPBELL	MIKE MCCUAIG	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ST43	Super Trace Au - 25g AR	ICP- MS
ME- MS41	51 anal. aqua regia ICPMS	
Au- AROR43	Au AR Overrange - 25g	

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

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Minerals

ALS Canada Ltd.

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

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

QC CERTIFICATE OF ANALYSIS WH14116723

STANDARDS

Sample Description	Method / Analyte / Units / LOR	Au- ST43 Au ppm 0.0001	ME- MS41 Ag ppm 0.01	ME- MS41 Al % 0.01	ME- MS41 As ppm 0.1	ME- MS41 Au ppm 0.2	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
GAu- 11b		0.0103														
GAu- 11b		0.0098														
GAu- 11b		0.0098														
GAu- 11b		0.0099														
Target Range - Lower Bound		0.0086														
Upper Bound		0.0122														
GBM908- 10			3.09	1.03	58.4	0.3	<10	120	0.37	1.30	0.77	1.78	91.4	15.4	25	0.83
GBM908- 10			2.98	0.94	58.7	0.4	<10	100	0.33	1.17	0.69	1.71	89.8	13.9	22	0.75
GBM908- 10			3.02	0.96	59.1	0.5	<10	110	0.33	1.12	0.70	1.82	92.2	15.5	23	0.77
GBM908- 10			2.94	1.02	55.7	0.4	<10	120	0.32	1.30	0.75	1.70	85.3	14.3	24	0.78
GBM908- 10			3.03	0.98	59.9	0.4	<10	110	0.27	1.40	0.73	1.79	93.1	15.0	24	0.88
Target Range - Lower Bound			2.69	0.85	49.4	<0.2	<10	70	0.17	1.09	0.62	1.52	79.3	12.9	20	0.66
Upper Bound			3.31	1.06	60.6	0.9	30	140	0.40	1.35	0.79	1.88	97.0	15.9	27	0.94
GBM908- 5			62.7	1.18	7.1	<0.2	<10	210	0.46	0.81	0.77	0.12	195.0	9.4	19	1.11
GBM908- 5			62.2	1.15	6.9	<0.2	<10	210	0.45	1.33	0.76	0.15	197.5	9.8	20	1.12
Target Range - Lower Bound			52.4	1.02	5.8	<0.2	<10	160	0.30	0.79	0.63	0.12	170.5	9.4	15	0.98
Upper Bound			64.0	1.26	7.4	0.6	30	230	0.54	0.98	0.79	0.17	208	11.7	20	1.31
GLG307- 4		0.0541														
GLG307- 4		0.0482														
GLG307- 4		0.0535														
GLG307- 4		0.0519														
Target Range - Lower Bound		0.0443														
Upper Bound		0.0602														
MRGeo08			4.71	2.76	32.3	<0.2	<10	480	0.94	0.70	1.17	2.38	79.4	19.4	99	11.25
MRGeo08			4.55	2.74	34.4	<0.2	<10	460	0.82	0.64	1.12	2.27	74.5	18.5	95	10.20
MRGeo08			4.39	2.63	33.1	<0.2	<10	440	0.86	0.64	1.07	2.21	73.0	19.7	91	10.05
MRGeo08			4.35	2.52	33.0	<0.2	<10	440	0.88	0.64	1.03	2.17	67.1	19.8	88	9.91
MRGeo08			4.38	2.71	32.7	<0.2	<10	470	0.80	0.67	1.11	2.17	75.7	18.8	98	10.90
Target Range - Lower Bound			4.00	2.44	28.9	<0.2	<10	370	0.66	0.62	1.00	2.01	66.7	17.5	81	9.85
Upper Bound			4.92	3.00	35.5	0.6	20	530	0.94	0.78	1.24	2.47	81.5	21.6	102	12.15
OREAS 90			0.05	2.34	4.7	<0.2	<10	50	0.70	0.93	0.38	<0.01	61.8	13.9	40	0.88
Target Range - Lower Bound			0.03	2.09	4.1	<0.2	<10	30	0.48	0.82	0.33	<0.01	54.6	13.7	35	0.86
Upper Bound			0.07	2.57	5.2	0.4	20	80	0.74	1.02	0.43	0.03	66.7	16.9	45	1.16
OREAS- 23a		0.0018														
OREAS- 23a		0.0026														
Target Range - Lower Bound		0.0016														
Upper Bound		0.0024														
OREAS- 904		0.0136														

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

ALS Minerals

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

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

QC CERTIFICATE OF ANALYSIS WH14116723

Sample Description	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
STANDARDS															
GAu- 11b															
GAu- 11b															
GAu- 11b															
GAu- 11b															
Target Range - Lower Bound															
Upper Bound															
GBM908- 10	3790	2.85	5.01	0.14	0.64	0.02	0.023	0.46	48.4	6.4	0.58	318	69.0	0.14	0.38
GBM908- 10	3650	2.59	4.78	0.12	0.64	0.01	0.021	0.42	47.5	5.7	0.54	293	67.4	0.13	0.29
GBM908- 10	3690	2.65	5.04	0.12	0.58	0.01	0.023	0.43	48.9	6.2	0.55	296	71.4	0.13	0.32
GBM908- 10	3730	2.75	4.55	0.11	0.68	0.01	0.024	0.45	45.4	6.9	0.56	309	59.7	0.14	0.54
GBM908- 10	3860	2.85	4.66	0.10	0.67	0.01	0.024	0.46	49.5	5.3	0.58	320	63.9	0.13	0.47
Target Range - Lower Bound	3380	2.35	4.18	0.09	0.62	<0.01	0.012	0.37	43.2	5.6	0.47	259	57.9	0.09	0.38
Upper Bound	3880	2.89	5.22	0.31	0.80	0.04	0.034	0.48	53.2	7.1	0.59	327	70.9	0.15	0.63
GBM908- 5	524	2.44	6.22	0.18	0.38	0.02	0.015	0.89	107.0	10.4	0.82	368	54.5	0.04	0.71
GBM908- 5	513	2.43	5.56	0.19	0.31	0.03	0.015	0.88	108.5	10.4	0.81	377	55.7	0.03	0.74
Target Range - Lower Bound	465	2.13	5.31	0.08	0.29	<0.01	<0.005	0.73	91.9	9.4	0.68	315	49.5	0.02	0.89
Upper Bound	535	2.62	6.60	0.30	0.41	0.05	0.026	0.91	112.5	11.7	0.86	396	60.6	0.06	1.20
GLG307- 4															
GLG307- 4															
GLG307- 4															
GLG307- 4															
Target Range - Lower Bound															
Upper Bound															
MRGeo08	660	3.75	10.40	0.19	0.72	0.07	0.166	1.34	39.2	34.3	1.22	445	14.65	0.36	1.00
MRGeo08	658	3.68	10.15	0.17	0.69	0.07	0.159	1.28	36.6	31.3	1.20	439	15.00	0.35	1.04
MRGeo08	625	3.52	10.05	0.17	0.81	0.07	0.164	1.24	35.8	31.8	1.16	410	13.50	0.33	1.03
MRGeo08	591	3.38	9.34	0.13	0.74	0.07	0.154	1.22	34.1	35.8	1.12	397	13.90	0.33	0.83
MRGeo08	629	3.76	9.35	0.17	0.70	0.06	0.153	1.31	37.9	34.7	1.22	432	14.75	0.33	0.90
Target Range - Lower Bound	587	3.22	8.89	0.10	0.67	0.04	0.142	1.12	33.2	30.2	1.03	378	13.10	0.30	0.79
Upper Bound	675	3.96	10.95	0.32	0.87	0.10	0.184	1.40	41.0	37.2	1.29	473	16.10	0.39	1.09
OREAS 90	106.0	3.80	6.32	0.09	0.55	0.01	0.026	0.35	31.9	19.0	1.41	606	0.39	0.02	0.28
Target Range - Lower Bound	102.0	3.39	5.78	<0.05	0.61	<0.01	0.016	0.31	27.9	17.8	1.21	515	0.28	<0.01	0.27
Upper Bound	118.0	4.17	7.17	0.19	0.79	0.02	0.038	0.40	34.5	22.0	1.50	641	0.52	0.04	0.51
OREAS- 23a															
OREAS- 23a															
Target Range - Lower Bound															
Upper Bound															
OREAS- 904															

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

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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

ALS Minerals

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

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

QC CERTIFICATE OF ANALYSIS WH14116723

Sample Description	Method / Analyte / Units / LOR	ME- MS41 Ni ppm 0.2	ME- MS41 P ppm 10	ME- MS41 Pb ppm 0.2	ME- MS41 Rb ppm 0.1	ME- MS41 Re ppm 0.001	ME- MS41 S % 0.01	ME- MS41 Sb ppm 0.05	ME- MS41 Sc ppm 0.1	ME- MS41 Se ppm 0.2	ME- MS41 Sn ppm 0.2	ME- MS41 Sr ppm 0.2	ME- MS41 Ta ppm 0.01	ME- MS41 Te ppm 0.01	ME- MS41 Th ppm 0.2	ME- MS41 Ti % 0.005
STANDARDS																
GAu- 11b																
GAu- 11b																
GAu- 11b																
GAu- 11b																
Target Range - Lower Bound																
Upper Bound																
GBM908- 10		2410	940	2220	30.9	<0.001	0.42	1.18	2.3	1.0	1.8	37.3	<0.01	0.05	17.4	0.345
GBM908- 10		2250	850	2040	29.7	0.001	0.37	1.09	1.9	0.7	1.7	35.3	<0.01	0.05	16.5	0.305
GBM908- 10		2310	870	2090	30.3	<0.001	0.39	1.21	2.0	1.1	1.7	35.9	<0.01	0.04	16.6	0.308
GBM908- 10		2270	910	2150	29.5	0.001	0.41	1.31	2.1	1.0	1.7	36.8	<0.01	0.04	16.6	0.333
GBM908- 10		2460	920	2240	30.7	0.001	0.42	1.45	2.1	1.3	1.7	33.2	<0.01	0.04	17.7	0.334
Target Range - Lower Bound		2030	760	1860	26.4	<0.001	0.33	1.06	1.8	0.5	1.2	30.8	<0.01	0.02	15.2	0.276
Upper Bound		2480	960	2270	32.4	0.003	0.43	1.55	2.4	1.3	2.2	38.0	0.03	0.07	19.0	0.348
GBM908- 5		452	1320	400	56.9	0.001	0.18	0.14	1.5	0.5	1.6	54.1	0.01	0.05	39.3	0.180
GBM908- 5		418	1360	397	55.5	<0.001	0.18	0.14	1.5	0.6	1.6	52.2	0.01	0.06	38.7	0.181
Target Range - Lower Bound		381	1140	345	50.8	<0.001	0.14	<0.05	1.3	0.5	1.1	47.3	<0.01	0.02	34.4	0.146
Upper Bound		466	1410	422	62.3	0.003	0.20	0.25	1.9	1.4	2.0	58.2	0.03	0.07	42.4	0.189
GLG307- 4																
GLG307- 4																
GLG307- 4																
GLG307- 4																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		733	1090	1130	154.5	0.010	0.33	3.02	8.0	1.7	3.6	87.7	0.01	0.01	22.9	0.401
MRGeo08		725	1050	1105	146.0	0.009	0.32	2.81	7.1	1.6	3.5	81.0	0.01	0.03	21.6	0.390
MRGeo08		701	1020	1060	142.0	0.007	0.31	2.84	7.2	1.3	3.3	79.4	0.01	0.01	20.8	0.377
MRGeo08		665	1000	1030	139.5	0.009	0.30	3.14	7.7	1.4	3.2	76.4	0.01	0.01	19.9	0.365
MRGeo08		739	1080	1135	147.5	0.008	0.32	3.80	7.9	1.4	3.3	77.2	0.02	0.02	23.1	0.405
Target Range - Lower Bound		622	900	959	132.0	0.007	0.27	2.80	6.8	0.9	2.8	73.2	<0.01	<0.01	19.5	0.350
Upper Bound		760	1130	1175	162.0	0.011	0.36	3.90	8.6	1.9	4.0	89.9	0.04	0.04	24.3	0.439
OREAS 90		83.3	660	5.5	18.3	<0.001	0.08	0.33	2.1	0.7	1.2	10.6	0.01	0.01	17.0	0.086
Target Range - Lower Bound		76.5	570	4.8	18.0	<0.001	0.05	0.31	2.1	0.4	0.8	10.5	<0.01	<0.01	14.3	0.070
Upper Bound		93.9	720	6.3	22.3	0.002	0.09	0.60	2.7	1.3	1.8	13.3	0.04	0.06	17.9	0.098
OREAS- 23a																
OREAS- 23a																
Target Range - Lower Bound																
Upper Bound																
OREAS- 904																

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

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ALS Minerals

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

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

QC CERTIFICATE OF ANALYSIS WH14116723

Sample Description	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Au- AROR43
Analyte	Ti	U	V	W	Y	Zn	Zr	Au
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LOR	0.02	0.05	1	0.05	0.05	2	0.5	0.01
STANDARDS								
GAu- 11b								
GAu- 11b								
GAu- 11b								
GAu- 11b								
Target Range - Lower Bound								
Upper Bound								
GBM908- 10	0.24	1.36	52	1.89	20.7	1120	29.6	
GBM908- 10	0.34	1.22	47	2.36	19.85	997	26.5	
GBM908- 10	0.39	1.19	48	2.17	20.6	1020	24.7	
GBM908- 10	0.23	1.42	49	2.19	19.65	1060	27.5	
GBM908- 10	0.23	1.28	51	2.17	20.0	1080	26.9	
Target Range - Lower Bound	0.15	1.15	41	1.57	17.55	939	24.0	
Upper Bound	0.27	1.51	53	2.24	21.6	1155	33.6	
GBM908- 5	0.41	2.80	27	1.91	29.2	241	9.5	
GBM908- 5	0.40	2.99	28	2.13	27.5	247	8.5	
Target Range - Lower Bound	0.31	2.64	22	1.75	25.4	214	6.8	
Upper Bound	0.47	3.34	29	2.48	31.1	266	10.5	
GLG307- 4								
GLG307- 4								
GLG307- 4								
GLG307- 4								
Target Range - Lower Bound								
Upper Bound								
MRGeo08	0.83	5.92	106	2.85	20.8	838	23.0	
MRGeo08	0.70	5.25	105	2.39	20.1	809	19.6	
MRGeo08	0.74	5.09	101	2.67	19.85	771	21.1	
MRGeo08	0.80	5.31	95	2.75	18.20	758	22.0	
MRGeo08	0.77	5.62	107	2.87	19.70	817	20.6	
Target Range - Lower Bound	0.66	4.99	90	2.44	17.85	708	18.1	
Upper Bound	0.94	6.21	112	3.42	21.9	870	25.7	
OREAS 90	0.11	2.03	21	0.38	17.40	60	20.6	
Target Range - Lower Bound	0.06	1.81	19	0.28	15.40	51	20.6	
Upper Bound	0.16	2.33	25	0.56	18.90	66	29.1	
OREAS- 23a								<0.01
OREAS- 23a								
Target Range - Lower Bound								
Upper Bound								
OREAS- 904								0.01

ALS Minerals

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

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

QC CERTIFICATE OF ANALYSIS WH14116723

Sample Description / Method	Au- ST43	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
Analyte	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
LOR	0.0001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
STANDARDS															
OREAS- 904	0.0132														
Target Range - Lower Bound	0.0126														
Upper Bound	0.0173														
BLANKS															
BLANK	0.0001														
BLANK	<0.0001														
BLANK	<0.0001														
BLANK	0.0001														
BLANK	<0.0001														
BLANK	0.0001														
Target Range - Lower Bound	<0.0001														
Upper Bound	0.0002														
BLANK		<0.01	<0.01	0.1	<0.2	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
BLANK		<0.01	<0.01	<0.1	<0.2	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
BLANK		<0.01	<0.01	0.1	<0.2	<10	<10	<0.05	0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
BLANK		<0.01	<0.01	0.1	<0.2	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
BLANK		<0.01	<0.01	0.2	<0.2	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
BLANK		<0.01	<0.01	<0.1	<0.2	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
BLANK		<0.01	<0.01	<0.1	<0.2	<10	<10	<0.05	0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
Target Range - Lower Bound		<0.01	<0.01	<0.1	<0.2	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
Upper Bound		0.02	0.02	0.2	0.4	20	20	0.10	0.02	0.02	0.02	0.04	0.2	2	0.10
DUPLICATES															
ORIGINAL		0.08	2.31	2.5	<0.2	<10	210	0.46	0.10	2.35	0.08	21.0	13.9	72	2.87
DUP		0.07	2.34	2.1	<0.2	<10	220	0.39	0.10	2.39	0.08	21.1	14.2	74	2.91
Target Range - Lower Bound		0.06	2.20	2.1	<0.2	<10	190	0.35	0.09	2.24	0.07	20.00	13.2	68	2.70
Upper Bound		0.09	2.45	2.5	0.4	20	240	0.50	0.12	2.50	0.09	22.1	14.9	78	3.08

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

ALS Minerals

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

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

QC CERTIFICATE OF ANALYSIS WH14116723

Sample Description	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
STANDARDS															
OREAS- 904															
Target Range - Lower Bound															
Upper Bound															
BLANKS															
BLANK															
BLANK															
BLANK															
BLANK															
BLANK															
BLANK															
Target Range - Lower Bound															
Upper Bound															
BLANK	<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	0.1	<0.01	<5	<0.05	<0.01	<0.05
BLANK	<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05
BLANK	<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	0.01	<0.05
BLANK	<0.2	<0.01	<0.05	0.05	<0.02	<0.01	<0.005	<0.01	<0.2	0.1	<0.01	<5	<0.05	<0.01	<0.05
BLANK	<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	0.1	<0.01	<5	<0.05	<0.01	<0.05
BLANK	<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	0.1	<0.01	<5	<0.05	<0.01	<0.05
BLANK	<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05
Target Range - Lower Bound	<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05
Upper Bound	0.4	0.02	0.10	0.10	0.04	0.02	0.010	0.02	0.4	0.2	0.02	10	0.10	0.02	0.10
DUPLICATES															
ORIGINAL	8.5	4.32	8.14	0.13	0.06	<0.01	0.008	0.61	9.2	33.8	2.21	866	0.64	0.08	0.19
DUP	8.8	4.38	8.38	0.12	0.06	<0.01	0.010	0.60	9.3	27.2	2.24	893	0.70	0.08	0.21
Target Range - Lower Bound	8.1	4.12	7.80	0.07	0.04	<0.01	<0.005	0.56	8.6	28.9	2.10	831	0.59	0.07	0.14
Upper Bound	9.2	4.58	8.72	0.18	0.08	0.02	0.010	0.65	9.9	32.1	2.35	928	0.75	0.09	0.26

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

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

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

QC CERTIFICATE OF ANALYSIS WH14116723

Sample Description / Method / Analyte / Units / LOR	ME- MS41 Ni ppm 0.2	ME- MS41 P ppm 10	ME- MS41 Pb ppm 0.2	ME- MS41 Rb ppm 0.1	ME- MS41 Re ppm 0.001	ME- MS41 S % 0.01	ME- MS41 Sb ppm 0.05	ME- MS41 Sc ppm 0.1	ME- MS41 Se ppm 0.2	ME- MS41 Sn ppm 0.2	ME- MS41 Sr ppm 0.2	ME- MS41 Ta ppm 0.01	ME- MS41 Te ppm 0.01	ME- MS41 Th ppm 0.2	ME- MS41 Ti % 0.005
STANDARDS															
OREAS- 904															
Target Range - Lower Bound															
Upper Bound															
BLANKS															
BLANK															
BLANK															
BLANK															
BLANK															
BLANK															
BLANK															
Target Range - Lower Bound															
Upper Bound															
BLANK	<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
BLANK	<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	0.01	<0.2	<0.005
BLANK	<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
BLANK	<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
BLANK	<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
BLANK	<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
BLANK	<0.2	<10	<0.2	<0.1	<0.001	<0.01	0.10	<0.1	<0.2	<0.2	<0.2	<0.01	0.01	<0.2	<0.005
Target Range - Lower Bound	<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
Upper Bound	0.4	20	0.4	0.2	0.002	0.02	0.10	0.2	0.4	0.4	0.4	0.02	0.02	0.4	0.010
DUPLICATES															
ORIGINAL	35.1	3250	15.1	31.6	<0.001	0.01	0.44	3.3	0.3	0.4	104.5	<0.01	0.05	1.5	0.223
DUP	35.3	3300	15.5	32.5	<0.001	0.01	0.40	3.5	0.3	0.4	107.0	<0.01	0.04	1.6	0.231
Target Range - Lower Bound	33.2	3100	14.3	30.3	<0.001	<0.01	0.34	3.1	<0.2	<0.2	100.5	<0.01	0.03	1.3	0.211
Upper Bound	37.2	3450	16.3	33.8	0.002	0.02	0.50	3.7	0.4	0.6	111.0	0.02	0.06	1.8	0.243

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

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

QC CERTIFICATE OF ANALYSIS WH14116723

Sample Description	Method / Analyte / Units / LOR	ME- MS41 Tl ppm 0.02	ME- MS41 U ppm 0.05	ME- MS41 V ppm 1	ME- MS41 W ppm 0.05	ME- MS41 Y ppm 0.05	ME- MS41 Zn ppm 2	ME- MS41 Zr ppm 0.5	Au- AROR43 Au ppm 0.01
STANDARDS									
OREAS- 904									
Target Range - Lower Bound									
Upper Bound									
BLANKS									
BLANK									
BLANK									<0.01
BLANK									
BLANK									
BLANK									
BLANK									
Target Range - Lower Bound									
Upper Bound									
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5	
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5	
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5	
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5	
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5	
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5	
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5	
Target Range - Lower Bound		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5	
Upper Bound		0.04	0.10	2	0.10	0.10	4	1.0	
DUPLICATES									
ORIGINAL		0.22	0.17	71	0.91	6.22	160	0.9	
DUP		0.23	0.16	72	0.92	6.42	163	1.0	
Target Range - Lower Bound		0.19	0.11	67	0.80	5.95	151	<0.5	
Upper Bound		0.26	0.22	76	1.03	6.69	172	1.0	

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Project: ALSM

QC CERTIFICATE OF ANALYSIS WH14116723

Sample Description	Method / Analyte / Units / LOR	Au- ST43 Au ppm 0.0001	ME- MS41 Ag ppm 0.01	ME- MS41 Al % 0.01	ME- MS41 As ppm 0.1	ME- MS41 Au ppm 0.2	ME- MS41 B ppm 10	ME- MS41 Ba ppm 10	ME- MS41 Be ppm 0.05	ME- MS41 Bi ppm 0.01	ME- MS41 Ca % 0.01	ME- MS41 Cd ppm 0.01	ME- MS41 Ce ppm 0.02	ME- MS41 Co ppm 0.1	ME- MS41 Cr ppm 1	ME- MS41 Cs ppm 0.05
DUPLICATES																
ORIGINAL			0.13	0.52	162.0	<0.2	<10	50	0.15	0.91	0.08	0.37	25.7	10.5	5	1.52
DUP			0.12	0.52	164.5	<0.2	<10	50	0.15	0.90	0.08	0.47	26.2	10.3	6	1.54
Target Range - Lower Bound			0.11	0.48	155.0	<0.2	<10	40	0.09	0.85	0.07	0.39	24.6	9.8	4	1.40
Upper Bound			0.14	0.56	171.5	0.4	20	60	0.21	0.96	0.09	0.45	27.3	11.0	7	1.66
ORIGINAL			1.32	2.35	63.3	<0.2	10	230	1.12	0.21	0.47	0.27	50.0	8.3	14	6.34
DUP			1.37	2.49	62.5	<0.2	10	240	1.17	0.22	0.49	0.34	52.8	8.2	14	6.59
Target Range - Lower Bound			1.27	2.29	59.7	<0.2	<10	210	1.04	0.19	0.45	0.28	48.8	7.7	12	6.09
Upper Bound			1.42	2.55	66.1	0.4	20	260	1.25	0.24	0.51	0.33	54.0	8.8	16	6.84
JNL024 01 + 50W			0.11	1.47	10.5	<0.2	<10	80	0.90	0.19	5.66	0.32	50.2	7.4	19	0.73
DUP			0.12	1.47	10.4	<0.2	<10	80	0.89	0.17	5.61	0.32	49.5	7.3	18	0.75
Target Range - Lower Bound			0.10	1.39	9.8	<0.2	<10	60	0.80	0.16	5.34	0.29	47.3	6.9	17	0.65
Upper Bound			0.13	1.55	11.1	0.4	20	100	0.99	0.20	5.93	0.35	52.4	7.8	20	0.83
JNL024 04 + 00		0.0008														
DUP		0.0008														
Target Range - Lower Bound		0.0006														
Upper Bound		0.0010														
JNL025 03 + 00			0.15	1.48	2.7	<0.2	<10	90	0.64	0.09	0.41	0.42	21.4	2.3	13	0.69
DUP			0.15	1.46	2.5	<0.2	<10	90	0.59	0.09	0.40	0.42	21.5	2.3	13	0.71
Target Range - Lower Bound			0.13	1.39	2.4	<0.2	<10	70	0.53	0.08	0.37	0.39	20.4	2.1	11	0.62
Upper Bound			0.17	1.55	2.8	0.4	20	110	0.70	0.10	0.44	0.45	22.5	2.5	15	0.79
JNL025 05 + 50W		0.0002														
DUP		0.0005														
Target Range - Lower Bound		0.0002														
Upper Bound		0.0005														
JNL026 06 + 00			0.57	1.17	104.5	<0.2	<10	40	0.27	0.50	0.09	0.20	27.8	8.8	12	1.16
DUP			0.52	1.11	100.5	<0.2	<10	40	0.27	0.50	0.08	0.20	25.6	8.8	11	1.08
Target Range - Lower Bound			0.51	1.07	97.3	<0.2	<10	30	0.21	0.47	0.07	0.18	25.3	8.3	10	1.01
Upper Bound			0.58	1.21	107.5	0.4	20	50	0.33	0.54	0.10	0.22	28.1	9.3	13	1.23
JNL026 08 + 50E		0.0031														
DUP		0.0033														
Target Range - Lower Bound		0.0029														
Upper Bound		0.0035														

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

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

QC CERTIFICATE OF ANALYSIS WH14116723

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
Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
LOR	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
DUPLICATES															
ORIGINAL	26.4	3.33	0.65	0.08	0.02	0.01	0.018	0.12	11.1	0.3	0.01	47	5.92	<0.01	<0.05
DUP	26.4	3.34	0.63	0.08	0.02	<0.01	0.020	0.12	11.4	0.4	0.01	48	5.70	<0.01	<0.05
Target Range - Lower Bound	25.3	3.16	0.56	<0.05	<0.02	<0.01	0.013	0.10	10.5	0.2	<0.01	40	5.47	<0.01	<0.05
Upper Bound	27.5	3.51	0.72	0.10	0.04	0.02	0.025	0.14	12.0	0.5	0.02	55	6.15	0.02	0.10
ORIGINAL	19.7	1.98	7.18	0.11	0.29	0.07	0.029	0.44	26.2	22.9	0.41	518	0.71	0.03	1.16
DUP	20.1	2.04	7.37	0.10	0.31	0.07	0.029	0.46	27.5	24.2	0.43	545	0.70	0.03	1.23
Target Range - Lower Bound	19.0	1.90	6.86	<0.05	0.27	0.05	0.023	0.42	25.3	22.3	0.39	500	0.62	0.02	1.09
Upper Bound	20.8	2.12	7.69	0.16	0.34	0.09	0.035	0.48	28.4	24.8	0.45	563	0.79	0.04	1.30
JNL024 01 + 50W	11.7	2.14	4.53	0.09	0.08	0.02	0.026	0.10	24.7	26.8	1.56	345	0.76	0.01	0.36
DUP	11.4	2.13	4.67	0.10	0.08	0.03	0.033	0.10	24.2	26.4	1.56	347	0.73	0.01	0.35
Target Range - Lower Bound	10.9	2.02	4.32	<0.05	0.06	<0.01	0.023	0.09	23.0	25.2	1.47	324	0.66	<0.01	0.29
Upper Bound	12.2	2.25	4.88	0.10	0.10	0.04	0.036	0.12	25.9	28.0	1.65	368	0.83	0.02	0.42
JNL024 04 + 00															
DUP															
Target Range - Lower Bound															
Upper Bound															
JNL025 03 + 00	4.5	1.13	5.13	<0.05	0.02	0.01	0.019	0.07	9.0	19.6	0.97	64	0.49	0.02	0.29
DUP	4.7	1.12	4.92	<0.05	0.02	0.01	0.017	0.07	9.0	19.4	0.95	65	0.48	0.02	0.29
Target Range - Lower Bound	4.2	1.06	4.72	<0.05	<0.02	<0.01	0.012	0.06	8.4	18.4	0.90	56	0.41	<0.01	0.23
Upper Bound	5.0	1.19	5.33	0.10	0.04	0.02	0.024	0.08	9.7	20.6	1.02	73	0.56	0.03	0.35
JNL025 05 + 50W															
DUP															
Target Range - Lower Bound															
Upper Bound															
JNL026 06 + 00	16.5	2.49	3.43	0.05	0.03	0.02	0.019	0.04	14.1	18.1	0.27	612	0.38	0.01	0.22
DUP	16.1	2.32	3.37	0.05	0.02	0.02	0.018	0.04	13.1	17.0	0.25	589	0.32	0.01	0.20
Target Range - Lower Bound	15.5	2.27	3.18	<0.05	<0.02	<0.01	0.013	0.03	12.7	16.6	0.24	565	0.28	<0.01	0.15
Upper Bound	17.1	2.54	3.62	0.10	0.04	0.03	0.024	0.05	14.5	18.5	0.28	636	0.42	0.02	0.27
JNL026 08 + 50E															
DUP															
Target Range - Lower Bound															
Upper Bound															

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

ALS Minerals

ALS Canada Ltd.

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

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

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

QC CERTIFICATE OF ANALYSIS WH14116723

Sample Description	Method / Analyte / Units / LOR	ME- MS41 Ni ppm 0.2	ME- MS41 P ppm 10	ME- MS41 Pb ppm 0.2	ME- MS41 Rb ppm 0.1	ME- MS41 Re ppm 0.001	ME- MS41 S % 0.01	ME- MS41 Sb ppm 0.05	ME- MS41 Sc ppm 0.1	ME- MS41 Se ppm 0.2	ME- MS41 Sn ppm 0.2	ME- MS41 Sr ppm 0.2	ME- MS41 Ta ppm 0.01	ME- MS41 Te ppm 0.01	ME- MS41 Th ppm 0.2	ME- MS41 Ti % 0.005
DUPLICATES																
ORIGINAL		4.8	1190	80.0	6.3	0.016	3.55	0.67	3.0	14.7	0.4	45.7	<0.01	2.33	3.9	<0.005
DUP		4.9	1190	86.0	6.3	0.014	3.57	0.67	3.1	15.1	0.4	45.2	<0.01	2.35	4.0	<0.005
Target Range - Lower Bound		4.4	1120	78.7	5.9	0.013	3.37	0.57	2.8	14.0	<0.2	43.0	<0.01	2.21	3.6	<0.005
Upper Bound		5.3	1260	87.4	6.7	0.017	3.75	0.77	3.3	15.8	0.6	47.9	0.02	2.47	4.3	0.010
ORIGINAL		12.0	400	12.3	36.9	<0.001	0.02	3.44	3.8	1.2	1.0	64.2	<0.01	0.01	3.7	0.058
DUP		11.7	430	12.7	37.4	<0.001	0.03	3.44	3.8	0.7	1.0	65.4	<0.01	0.02	3.6	0.064
Target Range - Lower Bound		11.1	380	11.7	35.2	<0.001	<0.01	3.13	3.5	0.7	0.8	61.4	<0.01	<0.01	3.3	0.053
Upper Bound		12.6	450	13.3	39.1	0.002	0.04	3.75	4.1	1.2	1.3	68.2	0.02	0.02	4.0	0.069
JNL024 01 + 50W		16.9	1290	17.0	8.1	0.001	0.03	1.04	3.5	0.6	0.3	254	<0.01	<0.01	3.2	0.009
DUP		16.3	1300	16.5	8.3	<0.001	0.03	1.01	3.5	0.7	0.3	253	<0.01	<0.01	3.3	0.009
Target Range - Lower Bound		15.6	1220	15.7	7.7	<0.001	0.02	0.90	3.2	0.4	<0.2	241	<0.01	<0.01	2.9	<0.005
Upper Bound		17.6	1370	17.8	8.7	0.002	0.04	1.15	3.8	0.9	0.4	266	0.02	0.02	3.6	0.010
JNL024 04 + 00																
DUP																
Target Range - Lower Bound																
Upper Bound																
JNL025 03 + 00		6.6	930	5.0	10.8	<0.001	0.04	0.35	0.3	0.2	0.3	28.2	<0.01	<0.01	<0.2	0.005
DUP		6.7	930	4.9	11.1	<0.001	0.04	0.37	0.3	<0.2	0.3	28.4	<0.01	<0.01	0.2	0.006
Target Range - Lower Bound		6.1	870	4.5	10.3	<0.001	0.03	0.28	0.2	<0.2	<0.2	26.7	<0.01	<0.01	<0.2	<0.005
Upper Bound		7.2	990	5.4	11.6	0.002	0.05	0.44	0.4	0.4	0.4	29.9	0.02	0.02	0.4	0.010
JNL025 05 + 50W																
DUP																
Target Range - Lower Bound																
Upper Bound																
JNL026 06 + 00		13.5	870	70.6	6.0	<0.001	0.06	1.73	0.4	0.2	0.2	14.7	<0.01	0.02	0.9	0.008
DUP		13.3	830	68.4	5.8	<0.001	0.05	1.63	0.3	<0.2	0.2	14.5	<0.01	0.03	0.6	0.007
Target Range - Lower Bound		12.5	800	65.8	5.5	<0.001	0.04	1.50	0.2	<0.2	<0.2	13.7	<0.01	<0.01	0.5	<0.005
Upper Bound		14.3	900	73.2	6.3	0.002	0.07	1.86	0.5	0.4	0.4	15.5	0.02	0.04	1.0	0.010
JNL026 08 + 50E																
DUP																
Target Range - Lower Bound																
Upper Bound																

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

ALS Minerals

ALS Canada Ltd.

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North Vancouver BC V7H 0A7
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To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVENUE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

QC CERTIFICATE OF ANALYSIS WH14116723

Sample Description	Method / Analyte / Units / LOR	ME- MS41 Tl ppm 0.02	ME- MS41 U ppm 0.05	ME- MS41 V ppm 1	ME- MS41 W ppm 0.05	ME- MS41 Y ppm 0.05	ME- MS41 Zn ppm 2	ME- MS41 Zr ppm 0.5	Au- AROR43 Au ppm 0.01
					DUPLICATES				
ORIGINAL		0.25	0.64	7	0.07	6.94	27	0.7	
DUP		0.25	0.64	7	0.08	6.96	28	0.7	
Target Range - Lower Bound		0.21	0.56	6	<0.05	6.55	24	<0.5	
Upper Bound		0.29	0.72	8	0.10	7.35	31	1.0	
ORIGINAL		0.27	2.12	37	0.33	16.65	58	11.1	
DUP		0.29	2.19	39	0.31	17.05	61	11.5	
Target Range - Lower Bound		0.24	2.00	35	0.25	15.95	55	10.0	
Upper Bound		0.32	2.31	41	0.39	17.75	64	12.6	
JNL024 01 + 50W		0.08	0.44	19	0.06	11.05	83	2.3	
DUP		0.08	0.46	19	0.05	10.80	84	2.3	
Target Range - Lower Bound		0.05	0.38	17	<0.05	10.35	77	1.6	
Upper Bound		0.11	0.52	21	0.10	11.50	90	3.0	
JNL024 04 + 00									
DUP									<0.01
Target Range - Lower Bound									<0.01
Upper Bound									0.02
JNL025 03 + 00		0.08	0.39	22	0.07	2.86	69	<0.5	
DUP		0.09	0.38	21	0.05	2.86	69	0.5	
Target Range - Lower Bound		0.06	0.32	19	<0.05	2.67	64	<0.5	
Upper Bound		0.11	0.45	24	0.10	3.05	74	1.0	
JNL025 05 + 50W									
DUP									
Target Range - Lower Bound									
Upper Bound									
JNL026 06 + 00		0.05	0.68	10	0.06	2.22	84	1.0	
DUP		0.05	0.66	9	0.06	2.21	76	0.7	
Target Range - Lower Bound		0.03	0.59	8	<0.05	2.05	74	<0.5	
Upper Bound		0.07	0.75	11	0.10	2.38	86	1.0	
JNL026 08 + 50E									
DUP									
Target Range - Lower Bound									
Upper Bound									

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

ALS Minerals

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North Vancouver BC V7H 0A7
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To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVENUE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

QC CERTIFICATE OF ANALYSIS WH14116723

Sample Description	Au- ST43 Au ppm 0.0001	ME- MS41 Ag ppm 0.01	ME- MS41 Al % 0.01	ME- MS41 As ppm 0.1	ME- MS41 Au ppm 0.2	ME- MS41 B ppm 10	ME- MS41 Ba ppm 10	ME- MS41 Be ppm 0.05	ME- MS41 Bi ppm 0.01	ME- MS41 Ca % 0.01	ME- MS41 Cd ppm 0.01	ME- MS41 Ce ppm 0.02	ME- MS41 Co ppm 0.1	ME- MS41 Cr ppm 1	ME- MS41 Cs ppm 0.05
DUPLICATES															
JNL028 03 + 00		0.13	1.01	13.0	<0.2	<10	40	0.30	0.29	0.02	0.14	25.4	5.2	11	0.83
DUP		0.15	1.03	13.2	<0.2	<10	40	0.30	0.30	0.03	0.14	25.7	5.2	11	0.88
Target Range - Lower Bound		0.12	0.96	12.3	<0.2	<10	30	0.24	0.27	<0.01	0.12	24.3	4.8	9	0.76
Upper Bound		0.16	1.08	13.9	0.4	20	50	0.37	0.32	0.04	0.16	26.8	5.6	13	0.95
JNL028 05 + 50E	0.0012														
DUP	0.0012														
Target Range - Lower Bound	0.0010														
Upper Bound	0.0014														

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

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CRANBROOK BC V1C 2R7

Finalized Date: 14- AUG- 2014
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Project: ALSM

QC CERTIFICATE OF ANALYSIS WH14116723

Sample Description	Method / Analyte / Units / LOR	ME- MS41 Cu ppm 0.2	ME- MS41 Fe % 0.01	ME- MS41 Ga ppm 0.05	ME- MS41 Ge ppm 0.05	ME- MS41 Hf ppm 0.02	ME- MS41 Hg ppm 0.01	ME- MS41 In ppm 0.005	ME- MS41 K % 0.01	ME- MS41 La ppm 0.2	ME- MS41 Li ppm 0.1	ME- MS41 Mg % 0.01	ME- MS41 Mn ppm 5	ME- MS41 Mo ppm 0.05	ME- MS41 Na % 0.01	ME- MS41 Nb ppm 0.05
								DUPLICATES								
JNL028 03 + 00		13.1	2.21	3.29	<0.05	<0.02	0.03	0.025	0.04	12.5	16.4	0.20	385	0.44	0.01	0.23
DUP		13.1	2.25	3.34	<0.05	<0.02	0.03	0.030	0.04	12.9	14.9	0.21	391	0.46	0.01	0.25
Target Range - Lower Bound		12.4	2.11	3.10	<0.05	<0.02	0.02	0.021	0.03	11.9	14.8	0.18	364	0.38	<0.01	0.18
Upper Bound		13.8	2.35	3.53	0.10	0.04	0.04	0.034	0.05	13.5	16.5	0.23	412	0.52	0.02	0.30
JNL028 05 + 50E																
DUP																
Target Range - Lower Bound																
Upper Bound																

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

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Finalized Date: 14- AUG- 2014
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Project: ALSM

QC CERTIFICATE OF ANALYSIS WH14116723

Sample Description / Method / Analyte / Units / LOR	ME-MS41 Ni ppm 0.2	ME-MS41 P ppm 10	ME-MS41 Pb ppm 0.2	ME-MS41 Rb ppm 0.1	ME-MS41 Re ppm 0.001	ME-MS41 S % 0.01	ME-MS41 Sb ppm 0.05	ME-MS41 Sc ppm 0.1	ME-MS41 Se ppm 0.2	ME-MS41 Sn ppm 0.2	ME-MS41 Sr ppm 0.2	ME-MS41 Ta ppm 0.01	ME-MS41 Te ppm 0.01	ME-MS41 Th ppm 0.2	ME-MS41 Ti % 0.005
DUPLICATES															
JNL028 03 + 00	11.6	1000	21.7	7.4	<0.001	0.06	1.23	0.4	0.4	0.2	4.1	<0.01	0.01	0.4	0.007
DUP	11.5	1060	22.0	7.7	<0.001	0.06	1.28	0.3	0.4	0.2	4.2	<0.01	0.02	0.3	0.008
Target Range - Lower Bound	10.8	970	20.6	7.1	<0.001	0.05	1.11	0.2	<0.2	<0.2	3.7	<0.01	<0.01	<0.2	<0.005
Upper Bound	12.3	1090	23.1	8.0	0.002	0.07	1.40	0.5	0.6	0.4	4.6	0.02	0.02	0.4	0.010
JNL028 05 + 50E															
DUP															
Target Range - Lower Bound															
Upper Bound															

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

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

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

QC CERTIFICATE OF ANALYSIS WH14116723

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Au- AROR43
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.05	1	0.05	0.05	2	0.5	0.01
DUPLICATES									
JNL028 03 + 00		0.06	0.72	11	0.06	3.62	55	<0.5	
DUP		0.07	0.77	11	0.07	3.73	56	<0.5	
Target Range - Lower Bound		0.04	0.66	9	<0.05	3.44	51	<0.5	
Upper Bound		0.09	0.83	13	0.10	3.91	60	1.0	
JNL028 05 + 50E									
DUP									
Target Range - Lower Bound									
Upper Bound									

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

ALS Minerals
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44 - 12TH AVENUE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 14- AUG- 2014
Account: TELOEX

Project: ALSM

QC CERTIFICATE OF ANALYSIS WH14116723

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

Applies to Method: ME- MS41

LABORATORY ADDRESSES

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

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

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

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

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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

Finalized Date: 2- SEP- 2014
Account: TELOEX

CERTIFICATE WH14116724

P.O. No.: JN14- 003
This report is for 37 Rock samples submitted to our lab in Whitehorse, YT, Canada on 2- AUG- 2014.

The following have access to data associated with this certificate:

JESSE CAMPBELL	MIKE MCCUAIG	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- XRF10	Fusion XRF - Ore Grade	XRF
OA- GRA06	LOI for ME- XRF06	WST- SIM
ME- XRF05	Trace Level XRF Analysis	XRF

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

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Minerals

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

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

Finalized Date: 2- SEP- 2014
Account: TELOEX

CERTIFICATE OF ANALYSIS WH14116724

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	ME- XRF05 W ppm 10	ME- XRF10 Tungsten % 0.01
PULP JN12019- 147		0.21	340	
PULP JN12019- 148		0.18	250	
PULP JN12019- 149		0.23	650	
PULP JN12019- 150		0.14	470	
PULP JN12019- 151		0.15	240	
PULP JN12019- 152		0.13	340	
PULP JN12019- 153		0.14	610	
PULP JN12019- 154		0.14	2200	
PULP JN12019- 155		0.18	960	
PULP JN12019- 156		0.10	480	
PULP JN12019- 157		0.13	2270	
PULP JN12019- 158		0.11	1220	
PULP JN12019- 159		0.10	760	
PULP JN12019- 160		0.09	>5000	0.94
PULP JN12019- 161		0.11	1700	
PULP JN12019- 162		0.12	>5000	1.01
PULP JN12019- 163		0.10	590	
PULP JN12019- 164		0.09	260	
BULK JN12019- 147		0.03	340	
BULK JN12019- 148		0.20	270	
BULK JN12019- 149		0.09	670	
BULK JN12019- 150		0.12	460	
BULK JN12019- 151		0.18	250	
BULK JN12019- 152		0.36	340	
BULK JN12019- 153		0.35	640	
BULK JN12019- 154		0.28	2190	
BULK JN12019- 155		0.45	940	
BULK JN12019- 156		0.30	480	
BULK JN12019- 157		0.21	2260	
BULK JN12019- 158		0.32	1210	
BULK JN12019- 159		0.22	740	
BULK JN12019- 160		0.27	>5000	0.94
BULK JN12019- 161		0.27	1680	
BULK JN12019- 162		0.27	>5000	1.00
BULK JN12019- 163		0.31	570	
BULK JN12019- 164		0.22	240	
JN12019- 16051		0.08	>5000	0.72

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

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVENUE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 2- SEP- 2014
Account: TELOEX

CERTIFICATE OF ANALYSIS WH14116724

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:	ME- XRF05	ME- XRF10	OA- GRA06	WEI- 21

ALS Minerals

ALS Canada Ltd.

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

Finalized Date: 2- SEP- 2014
Account: TELOEX

QC CERTIFICATE WH14116724

P.O. No.: JN14- 003

This report is for 37 Rock samples submitted to our lab in Whitehorse, YT, Canada on 2- AUG- 2014.

The following have access to data associated with this certificate:

JESSE CAMPBELL	MIKE MCCUAIG	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- XRF10	Fusion XRF - Ore Grade	XRF
OA- GRA06	LOI for ME- XRF06	WST- SIM
ME- XRF05	Trace Level XRF Analysis	XRF

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

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Minerals

ALS Canada Ltd.

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

Finalized Date: 2- SEP- 2014
Account: TELOEX

QC CERTIFICATE OF ANALYSIS WH14116724

Sample Description	Method Analyte Units LOR	ME- XRF05 W ppm 10	ME- XRF10 Tungsten % 0.01
STANDARDS			
TILL- 4		190	
TILL- 4		190	
Target Range - Lower Bound		170	
Upper Bound		230	
TLG- 1		820	
TLG- 1		820	
Target Range - Lower Bound		730	
Upper Bound		920	
BLANKS			
BLANK		<10	
BLANK		<10	
Target Range - Lower Bound		<10	
Upper Bound		20	
DUPLICATES			
PULP JN12019- 156		480	
DUP		470	
Target Range - Lower Bound		440	
Upper Bound		510	
JN12019- 16051		>5000	0.72
DUP		>5000	0.72
Target Range - Lower Bound		4740	0.69
Upper Bound		>5000	0.75

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

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

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

Finalized Date: 2- SEP- 2014
Account: TELOEX

QC CERTIFICATE OF ANALYSIS WH14116724

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:	ME- XRF05	ME- XRF10	OA- GRA06	WEI- 21

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North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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

Finalized Date: 5- SEP- 2014
Account: TELOEX

CERTIFICATE VA14129066

Project: TELOEX- R2
P.O. No.: JN14- 004
This report is for 17 Pulp samples submitted to our lab in Vancouver, BC, Canada on 21- AUG- 2014.
The following have access to data associated with this certificate:

JESSE CAMPBELL	CHRIS GALLAGHER	MIKE MCCUAIG

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
HOM- 01	Homogenize by light pulverizing
LOG- 24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- XRF05	Trace Level XRF Analysis	XRF

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

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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

ALS Minerals

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

Finalized Date: 5- SEP- 2014
Account: TELOEX

Project: TELOEX- R2

CERTIFICATE OF ANALYSIS VA14129066

Sample Description	Method / Analyte / Units / LOR	WEI- 21 Recvd Wt. kg 0.02	ME- XRF05 W ppm 10
JN11009- 169		0.24	190
JN11009- 170		0.24	230
JN11009- 171		0.20	450
JN11009- 172		0.26	420
JN11009- 173		0.22	380
JN11009- 174		0.22	860
JN11009- 175		0.20	1160
JN11009- 176		0.26	240
JN11009- 177		0.22	730
JN11009- 178		0.26	490
JN11009- 179		0.24	240
JN11009- 180		0.26	200
JN11009- 180 S		0.08	2130
JN11009- 181		0.24	540
JN11009- 182		0.26	170
JN11009- 183		0.22	180
JN11009- 184		0.28	420

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

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To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVENUE SOUTH
SUITE 200
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Finalized Date: 5- SEP- 2014
Account: TELOEX

Project: TELOEX- R2

CERTIFICATE OF ANALYSIS VA14129066

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:	HOM- 01	LOG- 24	ME- XRF05	WEI- 21

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

Finalized Date: 7- SEP- 2014
Account: TELOEX

CERTIFICATE VA14129069

Project: TELOEX- R2
P.O. No.: JN14- 005
This report is for 19 Pulp samples submitted to our lab in Vancouver, BC, Canada on 21- AUG- 2014.
The following have access to data associated with this certificate:

JESSE CAMPBELL	CHRIS GALLAGHER	MIKE MCCUAIG

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 24	Pulp Login - Rcd w/o Barcode
HOM- 01	Homogenize by light pulverizing

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- XRF05	Trace Level XRF Analysis	XRF
ME- XRF10	Fusion XRF - Ore Grade	XRF
OA- GRA06	LOI for ME- XRF06	WST- SIM
W- XRF10	Fusion XRF - W Ore Grade	XRF

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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SUITE 200
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Finalized Date: 7- SEP- 2014
Account: TELOEX

Project: TELOEX- R2

CERTIFICATE OF ANALYSIS VA14129069

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	ME- XRF05 W ppm 10	W- XRF10 W % 0.01
JN11010- 104		0.24	420	
JN11010- 105		0.24	340	
JN11010- 106		0.24	90	
JN11010- 107		0.22	170	
JN11010- 108		0.18	110	
JN11010- 109		0.12	420	
JN11010- 110		0.10	2400	
JN11010- 111		0.24	2790	
JN11010- 112		0.20	4320	
JN11010- 113		0.22	>5000	0.51
JN11010- 114		0.30	3130	
JN11010- 115		0.22	600	
JN11010- 116		0.26	290	
JN11010- 117		0.22	400	
JN11010- 118		0.20	910	
JN11010- 119		0.24	360	
JN11010- 120		0.20	2580	
JN11010- 120 S		0.06	2070	
JN11010- 120 B		Empty Bag		

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

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

Finalized Date: 7- SEP- 2014
Account: TELOEX

Project: TELOEX- R2

CERTIFICATE OF ANALYSIS VA14129069

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:	HOM- 01	LOG- 24	ME- XRF05	ME- XRF10
	OA- GRA06	WEI- 21	W- XRF10	

ALS Canada Ltd.
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Finalized Date: 5- SEP- 2014
Account: TELOEX

CERTIFICATE VA14129208

Project: TELOEX
P.O. No.: JN14- 006
This report is for 18 Pulp samples submitted to our lab in Vancouver, BC, Canada on 21- AUG- 2014.
The following have access to data associated with this certificate:

JESSE CAMPBELL	CHRIS GALLAGHER	MIKE MCCUAIG

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 24	Pulp Login - Rcd w/o Barcode
HOM- 01	Homogenize by light pulverizing

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- XRF05	Trace Level XRF Analysis	XRF

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

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

Finalized Date: 5- SEP- 2014
Account: TELOEX

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

Project: TELOEX

CERTIFICATE OF ANALYSIS VA14129208

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-XRF05 W ppm 10
JN12012-071		0.16	390
JN12012-072		0.16	640
JN12012-073		0.12	870
JN12012-074		0.18	310
JN12012-075		0.14	320
JN12012-076		0.14	500
JN12012-077		0.12	270
JN12012-078		0.12	400
JN12012-079		0.14	260
JN12012-080		0.14	480
JN12012-080 B		0.14	<10
JN12012-080 S		0.08	2120
JN12012-081		0.18	170
JN12012-082		0.14	170
JN12012-083		0.16	160
JN12012-084		0.14	160
JN12012-085		0.20	170
JN12012-086		0.16	190

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

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

Finalized Date: 5- SEP- 2014
Account: TELOEX

Project: TELOEX

CERTIFICATE OF ANALYSIS VA14129208

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:	HOM- 01	LOG- 24	ME- XRF05	WEI- 21

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

Finalized Date: 8- SEP- 2014
Account: TELOEX

CERTIFICATE VA14129262

Project: TELOEX- R2
P.O. No.: JN14- 007
This report is for 63 Pulp samples submitted to our lab in Vancouver, BC, Canada on 21- AUG- 2014.
The following have access to data associated with this certificate:

JESSE CAMPBELL	CHRIS GALLAGHER	MIKE MCCUAIG

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 24	Pulp Login - Rcd w/o Barcode
HOM- 01	Homogenize by light pulverizing

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- XRF05	Trace Level XRF Analysis	XRF
ME- XRF10	Fusion XRF - Ore Grade	XRF
OA- GRA06	LOI for ME- XRF06	WST- SIM
W- XRF10	Fusion XRF - W Ore Grade	XRF

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

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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

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

Finalized Date: 8- SEP- 2014
Account: TELOEX

Project: TELOEX- R2

CERTIFICATE OF ANALYSIS VA14129262

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-XRF05 W ppm 10	ME-XRF10 W % 0.01	W-XRF10 W % 0.01
JN12013-001		0.28	1040		
JN12013-002		0.30	620		
JN12013-003		0.22	950		
JN12013-004		0.28	2400		
JN12013-005		0.28	2420		
JN12013-006		0.20	2250		
JN12013-007		0.30	520		
JN12013-008		0.28	680		
JN12013-009		0.26	350		
JN12013-010		0.26	400		
JN12013-011		0.26	410		
JN12013-012		0.24	440		
JN12013-013		0.24	640		
JN12013-014		0.24	1300		
JN12013-015		0.28	290		
JN12013-016		0.24	410		
JN12013-017		0.22	680		
JN12013-018		0.24	850		
JN12013-019		0.28	560		
JN12013-020		0.30	750		
JN12013-020 S		0.06	2140		
JN12013-020 B		0.20	<10		
JN12013-021		0.28	1140		
JN12013-022		0.20	2500		
JN12013-023		0.22	1490		
JN12013-024		0.20	630		
JN12013-025		0.30	800		
JN12013-026		0.28	580		
JN12013-027		0.32	420		
JN12013-028		0.30	490		
JN12013-029		0.28	210		
JN12013-030		0.28	230		
JN12013-031		0.28	270		
JN12013-032		0.30	130		
JN12013-033		0.26	320		
JN12013-034		0.24	>5000	0.91	0.91
JN12013-035		0.22	900		
JN12013-036		0.28	390		
JN12013-037		0.26	310		
JN12013-038		0.22	140		

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

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

Finalized Date: 8- SEP- 2014
Account: TELOEX

Project: TELOEX- R2

CERTIFICATE OF ANALYSIS VA14129262

Sample Description	Method / Analyte / Units / LOR	WEI- 21 Recvd Wt. kg 0.02	ME- XRF05 W ppm 10	ME- XRF10 W % 0.01	W- XRF10 W % 0.01
JN12013- 039		0.28	330		
JN12013- 040		0.24	460		
JN12013- 040 S		0.10	>5000	0.72	0.72
JN12013- 040 B		0.22	<10		
JN12013- 041		0.28	510		
JN12013- 042		0.26	140		
JN12013- 043		0.28	1200		
JN12013- 044		0.26	90		
JN12013- 045		0.20	1230		
JN12013- 046		0.22	500		
JN12013- 047		0.20	220		
JN12013- 048		0.28	150		
JN12013- 049		0.28	100		
JN12013- 050		0.28	200		
JN12013- 051		0.24	310		
JN12013- 052		0.24	680		
JN12013- 053		0.26	750		
JN12013- 054		0.24	1370		
JN12013- 055		0.24	1660		
JN12013- 069		0.20	40		
JN12013- 070		0.24	>5000	0.69	0.69
JN12013- 071		0.26	630		
JN12013- 072		0.20	80		

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

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

Finalized Date: 8- SEP- 2014
Account: TELOEX

Project: TELOEX- R2

CERTIFICATE OF ANALYSIS VA14129262

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:	HOM- 01	LOG- 24	ME- XRF05	ME- XRF10
	OA- GRA06	WEI- 21	W- XRF10	

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

Finalized Date: 8- SEP- 2014
Account: TELOEX

CERTIFICATE VA14129206

Project: TELOEX- R2
P.O. No.: JN14- 008
This report is for 61 Pulp samples submitted to our lab in Vancouver, BC, Canada on 21- AUG- 2014.
The following have access to data associated with this certificate:

JESSE CAMPBELL	CHRIS GALLAGHER	MIKE MCCUAIG

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
HOM- 01	Homogenize by light pulverizing
LOG- 24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- XRF05	Trace Level XRF Analysis	XRF
ME- XRF10	Fusion XRF - Ore Grade	XRF
OA- GRA06	LOI for ME- XRF06	WST- SIM
W- XRF10	Fusion XRF - W Ore Grade	XRF

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

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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ALS Minerals

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

Finalized Date: 8- SEP- 2014
Account: TELOEX

Project: TELOEX- R2

CERTIFICATE OF ANALYSIS VA14129206

Sample Description	Method / Analyte / Units / LOR	WEI- 21 Recvd Wt. kg 0.02	ME- XRF05 W ppm 10	W- XRF10 W % 0.01
JN12014- 001		0.22	1090	
JN12014- 002		0.22	430	
JN12014- 003		0.24	340	
JN12014- 004		0.24	770	
JN12014- 005		0.24	510	
JN12014- 006		0.24	370	
JN12014- 007		0.24	640	
JN12014- 008		0.26	610	
JN12014- 009		0.24	510	
JN12014- 010		0.26	720	
JN12014- 011		0.26	890	
JN12014- 012		0.26	120	
JN12014- 013		0.28	300	
JN12014- 014		0.26	100	
JN12014- 015		0.24	180	
JN12014- 016		0.28	210	
JN12014- 017		0.26	660	
JN12014- 018		0.24	1050	
JN12014- 019		0.28	80	
JN12014- 020		0.26	260	
JN12014- 020 S		0.06	2070	
JN12014- 020 B		0.18	<10	
JN12014- 021		0.30	310	
JN12014- 022		0.30	220	
JN12014- 023		0.32	420	
JN12014- 024		0.28	400	
JN12014- 025		0.26	310	
JN12014- 026		0.28	380	
JN12014- 027		0.28	360	
JN12014- 028		0.26	300	
JN12014- 029		0.28	240	
JN12014- 030		0.24	350	
JN12014- 031		0.20	970	
JN12014- 032		0.24	360	
JN12014- 033		0.22	530	
JN12014- 034		0.20	480	
JN12014- 035		0.30	630	
JN12014- 036		0.24	560	
JN12014- 037		0.30	230	
JN12014- 038		0.28	180	

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

ALS Minerals

ALS Canada Ltd.

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

Finalized Date: 8- SEP- 2014
Account: TELOEX

Project: TELOEX- R2

CERTIFICATE OF ANALYSIS VA14129206

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	ME- XRF05 W ppm 10	W- XRF10 W % 0.01
JN12014- 039		0.22	460	
JN12014- 040		0.28	280	
JN12014- 040 S		0.08	>5000	0.72
JN12014- 040 B		0.22	<10	
JN12014- 041		0.30	340	
JN12014- 042		0.30	180	
JN12014- 043		0.32	200	
JN12014- 044		0.28	180	
JN12014- 045		0.34	250	
JN12014- 046		0.32	420	
JN12014- 047		0.28	160	
JN12014- 048		0.26	180	
JN12014- 049		0.28	490	
JN12014- 050		0.24	590	
JN12014- 051		0.24	570	
JN12014- 052		0.24	590	
JN12014- 053		0.26	800	
JN12014- 054		0.22	40	
JN12014- 055		0.22	120	
JN12014- 056		0.24	180	
JN12014- 057		0.24	260	

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

ALS Minerals

ALS Canada Ltd.

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North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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

Finalized Date: 8- SEP- 2014
Account: TELOEX

Project: TELOEX- R2

CERTIFICATE OF ANALYSIS VA14129206

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:				
	HOM- 01	LOG- 24	ME- XRF05	ME- XRF10
	OA- GRA06	WEI- 21	W- XRF10	

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

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

Finalized Date: 8- SEP- 2014
Account: TELOEX

CERTIFICATE VA14129261

Project: TELOEX- R2
P.O. No.: JN14- 009
This report is for 15 Pulp samples submitted to our lab in Vancouver, BC, Canada on 21- AUG- 2014.
The following have access to data associated with this certificate:

JESSE CAMPBELL	CHRIS GALLAGHER	MIKE MCCUAIG

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 24	Pulp Login - Rcd w/o Barcode
HOM- 01	Homogenize by light pulverizing

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- XRF05	Trace Level XRF Analysis	XRF
ME- XRF10	Fusion XRF - Ore Grade	XRF
OA- GRA06	LOI for ME- XRF06	WST- SIM
W- XRF10	Fusion XRF - W Ore Grade	XRF

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

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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

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

Finalized Date: 8- SEP- 2014
Account: TELOEX

Project: TELOEX- R2

CERTIFICATE OF ANALYSIS VA14129261

Sample Description	Method / Analyte / Units / LOR	WEI- 21 Recvd Wt. kg 0.02	ME- XRF05 W ppm 10	ME- XRF10 W % 0.01	W- XRF10 W % 0.01
JN12016- 075		0.24	370		
JN12016- 076		0.24	3490		
JN12016- 077		0.24	1300		
JN12016- 078		0.26	>5000	0.89	0.89
JN12016- 079		0.20	420		
JN12016- 080		0.24	810		
JN12016- 080 S		0.08	2150		
JN12016- 080 B		0.22	<10		
JN12016- 081		0.20	260		
JN12016- 082		0.28	470		
JN12016- 083		0.22	1500		
JN12016- 084		0.22	>5000	0.70	0.70
JN12016- 085		0.22	2790		
JN12016- 086		0.18	160		
JN12016- 087		0.18	330		

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

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

Finalized Date: 8- SEP- 2014
Account: TELOEX

Project: TELOEX- R2

CERTIFICATE OF ANALYSIS VA14129261

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:	HOM- 01	LOG- 24	ME- XRF05	ME- XRF10
	OA- GRA06	WEI- 21	W- XRF10	

Appendix VI

Bedrock Geologic Mapping Data

Appendix 6.1
Station Locations and Descriptions

Station Number	Date	Location Method	Elevation (M)	Easting	Northing	Accuracy (m)	Notes
JBJNG001	7/23/2014	GPS		546163	6839466		jab gps 144
JBJNG002	7/24/2014	GPS		546935	6839512		1st stat ne of camp
JBJNG003	7/24/2014	GPS		546951	6839572		
JBJNG004	7/24/2014	GPS		547019	6839505		at soil station; no oc; flag unreadable
JBJNG005	7/24/2014	GPS		547049	6839525		JBJNR AND D001; NO OC
JBJNG006	7/24/2014	GPS		547198	6839511		verify au soil w JBJND002
JBJNG007	7/24/2014	GPS		547229	6839514		au dsamp anom check 1220n 99+50E
JBJNG008	7/24/2014	GPS		547216	6839562		JBJND004
JBJNG009	7/24/2014	GPS		547033	6839682		
JBJNG010	7/24/2014	GPS		546869	6839679		
JBJNG011	7/24/2014	GPS		546836	6839773		claim post #YD87927; SEPT21,2011
JBJNG012	7/24/2014	GPS		546849	6839900		
JBJNG013	7/24/2014	GPS		546718	6839825		
JBJNG014	7/24/2014	GPS		546705	6839711		
JBJNG015	7/24/2014	GPS		546707	6839632		
JBJNG016	7/24/2014	GPS		546724	6839612		
JBJNG017	7/25/2014	GPS		546552	6839200		base of dome
JBJNG018	7/25/2014	GPS		546527	6839159		
JBJNG019	7/25/2014	GPS		546476	6839135		g168
JBJNG020	7/25/2014	GPS		546447	6839114		
JBJNG021	7/25/2014	GPS		546377	6839116		
JBJNG022	7/25/2014	GPS		546235	6839196		
JBJNG023	7/25/2014	GPS		546148	6839182		
JBJNG024	7/25/2014	GPS		546127	6839173		
JBJNG025	7/25/2014	GPS		545970	6839302		
JBJNG026	7/25/2014	GPS		546009	6839357		
JBJNG027	7/28/2014	GPS		546362	6840236		white oc in draw visible from valley bottom halfway up north apron
JBJNG028	7/28/2014	GPS		546554	6840188		
JBJNG029	7/25/2014	GPS		546747	6835059		saddle @ head of big swifty ck
JBJNG030	7/25/2014	GPS		546910	6835118		west lim of 20+ m wide nw trending qtz vn shaer system w cb-chl-ank-lim alt; can see same system across valley to se
JBJNG031	7/25/2014	GPS		546951	6835119		in shear next to grnt dyke

Station Number	Date	Location Method	Elevation (M)	Easting	Northing	Accuracy (m)	Notes
JBJNG032	7/25/2014	GPS		546965	6835119		
JBJNG033	7/25/2014	GPS		547001	6835095		
JBJNG034	7/25/2014	GPS		547038	6835092		
JBJNG035	7/25/2014	GPS		547089	6835033		went downhill and section to next lith
JBJNG036	7/25/2014	GPS		547164	6835074		
JBJNG037	7/29/2014	GPS		547255	6834993		
JBJNG038	7/29/2014	GPS		547780	6834799		2x2m oc in sound of music setting
JBJNG039	7/29/2014	GPS		547553	6835037		5x3m exposr
JBJNG040	7/29/2014	GPS		547500	6835025		strat below prev ssltstn
JBJNG041	7/29/2014	GPS		547396	6834996		east lim of large 50+ long oc @292az
JBJNG042	7/29/2014	GPS		547286	6835007		
JBJNG043	7/29/2014	GPS		547538	6834145		on south ridge flank zeroing in on porph
JBJNG044	7/29/2014	GPS		547570	6834121		
JBJNG045	7/29/2014	GPS		547623	6834131		
JBJNG046	7/29/2014	GPS		547629	6834152		
JBJNG047	7/29/2014	GPS		547643	6834155		same uniT as JBJNG036
JBJNG048	7/29/2014	GPS		547683	6834190		
JBJNG049	7/29/2014	GPS		547820	6834172		
JBJNG050	7/29/2014	GPS		547885	6834201		
JBJNG051	7/29/2014	GPS		548037	6834256		
JBJNG052	7/29/2014	GPS		548255	6834392		
MMJNG039	7/14/2014	GPS	1444	546710.8	6839234		
MMJNG041	7/23/2014	GPS	1440	546707	6839234		TR14-001 - Objective - to determine if the sheeted veining observed in MMJNR041 is laterally extensive. Mechanical disturbance with Candig. The trench is comprised of four parts: 1) 7.0 m @ Az 100 - continuous outcrop exposure; 2) 3.0 m @ Az 100 - ephemeral stream - boulders and cover; 3) 3.0 m @ Az 355 - ephemeral stream - boulders and cover; 4) 5.3 m @ Az 080 - continuous outcrop exposure.
MMJNG042	7/25/2014	GPS	1447	546735	6839239		TR14-002. Prospecting with JAB located sheeted veining containing bismuthinite within the granodiorite approximately 15.0 m east of the end of TR14-001. Combination hand-mechanized trench.
MMJNG043	7/25/2014	GPS	1436	546648	6839490		TR14-003: 15.0 m @ Az 66. Target is northern extension of sheeted vein interval intersected in JN12014. Excellent outcrop exposure of sheeted veins. Hand Trench.
MMJNG044	7/27/2014	GPS	1426	546652	6839477		TR14-004: 13.4 m @ Az 085. Northern extension of sheted veins from DDH JN12014. Hand Trench. From 8.5-13.3 m the bedrock has been frost heaved but is intact enough to collect reliable representative samples.
MMJNG045	7/28/2014	GPS	1428	546640	6839520		
MMJNG046	7/28/2014	GPS	1593	547943	6834763		Big Swifty Mineral Occurrence.

Station Number	Date	Location Method	Elevation (M)	Easting	Northing	Accuracy (m)	Notes
MMJNG047	8/1/2014	GPS	1791	548141	6835353		
MMJNG048	8/1/2014	GPS	1883	548116	6835494		
MMJNG049	8/1/2014	GPS	1722	548579	6835584		Contact between phyllite and limestone. 30-50 metre spires of limestone outcrop above the contact.
MMJNG050	8/1/2014	GPS	1745	548582	6835534		Station @ base of 50 + m cliff.
MMJNG051	8/1/2014	GPS	1768	548579	6835507		Structural station - drag folding associated with fault west of outcrop.
MMJNG052	8/1/2014	GPS	1787	548575	6835486		Structural station - fault zone.
MMJNG053	8/1/2014	GPS	1767	548482	6835424		Outcrop-sub crop forms "ridge cap"
MMJNG054	8/1/2014	GPS	1797	548360	6835426		Outcrop - subcrop forms "ridge cap".
MMJNG055	8/1/2014	GPS	1877	548146	6835485		Sample JNL016 21+00 E. Phyllite scree, no visible quartz veining.
MMJNG056	8/1/2014	GPS	5	548022	6835451		
MMJNG057	8/1/2014	GPS	1880	548000	6835460		Dirt sample @ base of Talus slope from station MMJNG056. JNL106 19+50 E. Quartz vein fragments in talus likely source of soil anomaly.

Station Number	Degree of Transport	Proportion of Rocktype	Map Unit	Major Rock Type	Minor Rock Type	Grain Size	Notes
JBJNG001	subcrop		PCH	quartzite		fine	massive bl-grey qzt subcrop east of ck
JBJNG002	subcrop		PCH	quartz pebble conglomerate			grey-buff, crowded qtz-feld pebb con; no bt mt or cb. Massive; subang clasts. Could be porph?no alt or min
JBJNG003	outcrop			null			no oc on this fall line. Tight scrub conifers
JBJNG004	outcrop			null			zig zag contour trav from stats 2&3 lib no oc to here
JBJNG005	float		PCH	shale	skarn		OPEN licken clearing(JBJND001) w minor mixed angular cobbles of gossanous silt/mud(JBJNR001) and silic lst/qtzite/skarn
JBJNG006	scree		COR	limestone			verfy au soil w JBJND002; avy slope on bench west of creek; lst in ck cut 10m to east is very fissile, v fn grnd w lesser chaotitc wht lst ff. No alt; trc py ff
JBJNG007	rubble		COR	limestone	granodiorite		au dsamp anom check 1220n 99+50E. N0 oc. Lst rubble in orig and ver JBJND003 holes. Some rsty grandrt&qtz peb conglom in creek
JBJNG008	outcrop		COR	limestone			low alt low frac
JBJNG009	waypoint			null			no oc southwest of creek
JBJNG010	float		PCH	quartz pebble conglomerate			no oc; float of QPC rusty but no vns
JBJNG011	waypoint			null			claim post; no oc to here
JBJNG012	waypoint			null			no oc to here; thoretical junction of march & justin faults
JBJNG013	float		COR	siltstone			no oc
JBJNG014	glacial			null			planar slope in snow brush; no hope of OC
JBJNG015	subcrop		PCH	siltstone			hard, bl-grey nornfelsed phyllitic siltstone,mod fissile, qtz vnlts rare;
JBJNG016	outcrop		PCH	quartz pebble conglomerate	quartzite		hard, mass, rsty weathering, fn-med grnd qtz-feld-conglom (qtzite) w high angle sheeted veins w trace lim pockets
JBJNG017	outcrop		PCH	quartz pebble conglomerate	hornfels		interbedded fn qtz peb congom and mauve hornfelsed siltstone overall low vn density; minor fe-stn
JBJNG018	outcrop		PCH	siltstone	quartz pebble conglomerate		strn hornflsed siltstone w min calc-sil in contact w bull qtz vein
JBJNG019	subcrop		PCH	skarn			sudden step up and ang boulders of skarn suggest lith change
JBJNG020	rubble		PCH	siltstone	quartz pebble conglomerate		uphill from hrre is sst/qpc rubble/subcrop
JBJNG021	rubble		PCH	quartz pebble conglomerate	quartz	coarse	broad rubble fields of mod-high limonite-clay +-silica vuggy altered cs qtz peb conglom& lesser sltstn
JBJNG022	outcrop		PCH	quartz pebble conglomerate	quartz		frost heaved strng arg altered qpc; strng n-trending shearing w qtz veins >20cm
JBJNG023	float			quartz			quartz vein float is abundant from here to prev station. Seems we have moved distal into region of fewer but larger qtz veins
JBJNG024	outcrop		PCH	phyllite	quartz		tan grey wthrd, lt grey fresh, frost heaved thinly bedded phyllite w rare <10cm qtz vns; rel low alt in westery direc

Station Number	Degree of Transport	Proportion of Rocktype	Map Unit	Major Rock Type	Minor Rock Type	Grain Size	Notes
JBJNG025	subcrop		PCH	phyllite			as prev station across creek; low to mod alt; rare cm qtz veins
JBJNG026	rubble		PCH	phyllite	quartz		
JBJNG027	outcrop		COR	marble	calcareous chert		10m oc of tan couloured silty limestone, marble and calcareous chert. No veins. Wavy deformation.
JBJNG028	scree		COR	limestone			steep scar in main avy gully. No oc.
JBJNG029	outcrop		PCH	quartz pebble conglomerate	siltstone		bottom of 20+m thick blocky grey QPC; Lots of subphyllite scree from above; tan weathering; rare calcite vnlts
JBJNG030	outcrop		PCH	grit	argillite		tan&orange wthrd thick bedded qtz grit w 10cm arg interbeds; strong cb+ank alt; swarms of sub vert nw tren qtz-cb-chl-lim vns w sub-britt tension gas vens@30o
JBJNG031	outcrop		PCH	grit	argillite		
JBJNG032	outcrop		Kqfp	quartz feldspar porphyry			grey and tan weathred, lt grn-grey fresh; qtz eye, feld phyric 20+m granite dyke. At west cntct. Ser-silica-lim altred
JBJNG033	outcrop		PCH	grit			brown soft very altered grit; fw of gran dyke
JBJNG034	outcrop		PCH	grit	argillite		lt grn grey grit w 10-20cm arg interbeds; strng ser-cb alt
JBJNG035	outcrop		PCH	argillite			darkish blue-grey argillite+-phyllite; top of 15+m thick shallow dipping beds; qt vns rare; alt low-mod
JBJNG036	outcrop		Kqfp	carbonatite			fn grnd dk grey marginal to QFP dyke
JBJNG036	outcrop		Kqfp	quartz feldspar porphyry	argillite		strng cb-ank+-hm alt no vning; has fw carbothermal vein; hosted in arg bed
JBJNG037	outcrop		PCH	grit	argillite		back into grit; strat lower than prev arg ststion
JBJNG038	outcrop		PCH	quartz pebble conglomerate	siltstone		buff orang weathering- grey fresh well rnded qtz pebble clasts in calcite matrix; no cb in 20cm sltsn bed
JBJNG039	outcrop		PCH	argillite	siltstone		dull grey very fissile dom by S1; strat above next stat to nw; 3m thick bed
JBJNG040	outcrop		PCH	grit	argillite		occasinal se steep dip rsty qtz vns
JBJNG041	outcrop		PCH	grit	argillite		buff weatrd; grn-grey fresh; altered and vnd
JBJNG042	outcrop		PCH	phyllite	grit		grey phyllite below; grn-brn grit above; at east edge of fault induced open anticline; strain picked up to phyllite; rock is very fractured on nw srtk
JBJNG043	outcrop		PCH	quartz pebble conglomerate			buff to orang weathred; calcite matrix; mod ank alt; low vn/frac density
JBJNG044	outcrop		PCH	lime grainstone	quartz pebble conglomerate		same as prev. Has QPC texture w 60+% matrix of calcite; is wk foliated and resistant to fracturing.
JBJNG045	outcrop		PCH	siltstone			recessive intervening rock is 20m thick grn bl-grey strngly fol dull siltstone
JBJNG046	outcrop		PCH	grit	argillite		orange brn wthrd; lt grn-grey fresh grit w subodnt arg interbeds; strong alt and ne vning
JBJNG047	outcrop		Kqfp	quartz feldspar porphyry	carbothermal vein		orange cb-hem altered qfp; 12m dyke
JBJNG048	outcrop		PCH	limestone	siltstone		grey massive lst above in cntct w grey fol silstone below
JBJNG049	outcrop		PCH	grit	argillite		calc grit above, arg below

Station Number	Degree of Transport	Proportion of Rocktype	Map Unit	Major Rock Type	Minor Rock Type	Grain Size	Notes
JBJNG050	outcrop		PCH	siltstone	quartz		vert striped contact is glacially ground sltstn and rst qtz-cb vn rubble
JBJNG051	outcrop		PCH	siltstone	argillite		interbedded silts/dk mudstone w variable fe-cb alt. Shallow dipping to west; nw shearing does impart some qtz-cb-lim vning
JBJNG052	outcrop		PCH	quartz pebble conglomerate	cataclasite		white clasts in dk grey matrix= crush breccia. Dk brn-red weathering. Minor qtz stringers on 2+ orientations w trc py; chl-ser alt - no cb.
MMJNG039	subcrop		Kgd	granodiorite		medium-fine	4-5 cm wide quartz vein with 0.05% bismuthinite found in dry seasonal creek bed. High-grade sample, grab from vein to confirm bismuthinite mineralizaiton. The vein is laterally continuous along strike for approximately 50 cm. Appears to be a part of a sheeted vein system.
MMJNG041	outcrop	100	Kgd	granodiorite		medium-fine	Exposure of the Justin stock - bio-GRD. Generally uniform in composition except in narrow discreet shear zones where the unit decomposes to a rotten orange coarse sandy gouge. Fine grained feldspathic groundmass with euhedral xls of vitreous quartz and subhedral feldspar. Weathered surfaces are corroded. Sheeted veining observed across outcrop exposure. Outcrop exposure is approximately 15.0 metres long.
MMJNG042	outcrop	100	Kgd	granodiorite		medium-coarse	Exposure of the Justin stock - bio-GRD. 0.5 - 1.5 metres of cover ontop of outcrop. Generally uniform in composition except where narrow shear zones cross-cut the outcrop decomposing the granodiorite to a rotten orange-yellow sandy gouge. Sheeted veins observed across the interval. Nearing inferred contact of the Justin fault zone. Weathered surfaces are pitted from selective weathering of Feldspar-pinkish white soft clay. Vitreous subhedral quartz xls are resistive and conspicuous.
MMJNG043	outcrop	100	PCH	calcareous chert	skarn	medium-coarse	Calc-silicate-garnet prograde exoskarn. Relic bedding planes observed - 1-5 mm thick rhythmic bedding - pitted from partial dissoultion of select beds- carbonate mineral? Intensely fractured and veined.
MMJNG044	outcrop	100	PCH	skarn		medium-fine	Outcrop exposure of prograde exoskarn. Relic bedding observed on weathered surfaces as alternating bands of actinolite-diopside and garnet. Alternating beds are 5-10 cm thick.
MMJNG045	outcrop	70	PCH	quartz pebble conglomerate	quartz grit	medium-coarse	Quartz grit generally fining up but some bed tops are capped with irregular, lensoidal coarse grained quartz pebble conglomerate.
MMJNG045	outcrop	30	PCH	phyllite		fine	Distinct beds up to 40 cm thick. Wavy bedding contacts from loading of coarse quartz pebble debris flow @ upper contact.
MMJNG046	outcrop	100	PCH	quartz feldspar pebble conglomerate		medium-coarse	QFPC is mature, well rounded coarse grained unit is conspicuous and forms distinct stratigraphic unit which has a high sulphide content matrix. Very similar in appearance to the hornfels QPC observed at the POW Zone. Quartz pebbles are flattened and attenuated parallel to the dominant fabric observed across the outcrop.
MMJNG047	outcrop	30	PCH	argillite		fine	Bedding right way up. Individual beds range from 0.1-10.0 cm thick.
MMJNG047	outcrop	70	PCH	quartz pebble conglomerate	quartz grit	medium-coarse	Distinct tabular beds up to 3.0 metres thick - quartz grit.
MMJNG048	outcrop	100	PCH	phyllite		fine	Very thin wavy bedding. Bedding orientation is subhorizontal and is diffcult to determine due to S1 development.
MMJNG049	outcrop	50	COR	limestone		medium-fine	Reacts strongly to HCl.

Station Number	Degree of Transport	Proportion of Rocktype	Map Unit	Major Rock Type	Minor Rock Type	Grain Size	Notes
MMJNG049	subcrop	50	PCH	phyllite			Phyllite is strongly oxidized and friable. Weakly magnetic.
MMJNG050	outcrop	100	COR	limestone	shale	medium-fine	Beds are on average 5 cm thick with thin, fissle interbeds of shale < 5.0 cm thick.
MMJNG051	outcrop	100	COR	limestone	slate	medium-fine	Limestone-slate beds are boudinaged and strongly cleaved.
MMJNG052	outcrop	50	COR	limestone	chert	medium-fine	
MMJNG052	outcrop	50	PCH	phyllite		fine	
MMJNG053	outcrop	100	PCH	phyllite		fine	
MMJNG054	outcrop	100	PCH	phyllite		fine	Way up unknown - super imposed slaty cleavage has disrupted primary bedding structures.
MMJNG056	outcrop		PCH	quartz grit	phyllite	medium-fine	Beds are 10 - 100 cm thick with thin interbeds of phyllite.

Appendix 6.3
Structure Descriptions

Station Number	Name	Phase	Azimuth	Dip	Quality	Notes
JBJNG006	foliation (dominant)		316	50	moderate	v fissile thin; sub parallel to ck cut
JBJNG016	vein (>10cm)		192	85	good	
JBJNG017	joint	1	1	90	good	
JBJNG017	fracture	2	68	85		jointing + frac+occasion qtz-feld vnlts
JBJNG017	foliation (late)	3	96	66		30/m; hosts chl; wll dev in slt but not qpc
JBJNG027	fracture	2	148	74	good	well developed planar fracture of the March fault
JBJNG027	joint	3	80	43	good	well developed, planar, m-scale
JBJNG027	Bedding	0	247	50	good	low amplitude, open, wavy
JBJNG030	veinlet (<10cm)	2	355	75	moderate	sheeted vnlts- white; 10/m
JBJNG030	shear plane	1	325	65	good	20+ wide shear west exposure; has classic ORG ALT and vning
JBJNG030	Bedding		254	12		
JBJNG031	vein (>10cm)	1	175	23		qtz vn sill - see JBJNR013
JBJNG032	dike		151	86	good	20+m grnt dyke
JBJNG032	joint	3	43	81	good	block 4/m strng
JBJNG034	foliation (early)		310	48	good	s1 foliation in argillite bed(penetrative); poorly dev in grit
JBJNG035	Bedding		145	16		
JBJNG035	foliation (early)		287	22	good	penetrative
JBJNG036	dike		155	72	good	10m strg cb-altrd QFP dyke IN arg
JBJNG037	foliation (early)		320	35		
JBJNG037	Bedding		240	5		
JBJNG039	foliation (early)		309	40	good	s1 penetrative strong
JBJNG040	Bedding		316	17	good	40 cm beds
JBJNG041	Bedding		287	38	good	
JBJNG041	veinlet (<10cm)		106	47		fracture controls cliff face
JBJNG042	Bedding		288	7		
JBJNG042	foliation (early)		292	38	good	very strong in shaer
JBJNG042	foliation (late)		128	68		15cm spc; possible axial plane to open drag folds; am in open fold anticline
JBJNG044	Bedding		282	8	moderate	
JBJNG046	veinlet (<10cm)		105	50	moderate	1/m
JBJNG046	sheeted veins		32	82	good	12/m
JBJNG046	fracture		265	58	good	central vn to left lateral tension gashes

Station Number	Name	Phase	Azimuth	Dip	Quality	Notes
JBJNG047	dike		141	84		10m qfp
JBJNG048	Bedding		83	34	good	
JBJNG049	foliation (early)		318	76		fracture and host to qtz vnlt swarm
JBJNG049	Bedding		222	32		
JBJNG051	Bedding		180	16	moderate	
JBJNG051	foliation (early)		317	61	good	dominant penetrative fol; carries som veining
MMJNG041	sheeted veins		170	82	good	@ 4.0 m- Sample MMFGR041 - representative vein orientation.
MMJNG041	gouge		175	85	moderate	
MMJNG041	veinlet (<10cm)		160	82	good	@ 4.0 m of second part of trench.
MMJNG041	gouge		170	85	moderate	
MMJNG042	joint		175	83	good	@ 2.4 m. Distinct, decimeter density distribution.
MMJNG042	fault plane		175	83	good	Shear zone begins @ 1.4 m. Minimal fg gouge - rubble, coarrse sand (relic quartz xls)
MMJNG042	joint		262	84	good	@ 5.0 m. 10/m density, sharp, blocky texture.
MMJNG042	veinlet (<10cm)		163	82	good	VG vein.
MMJNG043	fracture		170	75	good	Brittle fault.
MMJNG043	veinlet		150	60	good	
MMJNG043	veinlet		179	82	good	
MMJNG043	Bedding		280	18	good	
MMJNG043	cleavage		181	72	good	
MMJNG043	joint		80	47	good	
MMJNG043	joint		42	70	good	
MMJNG044	veinlet		176	85	good	
MMJNG044	Bedding		261	22	moderate	
MMJNG044	joint		265	82	good	R2?
MMJNG044	cleavage		175	74	good	
MMJNG044	veinlet		156	58	good	R1 vein
MMJNG046	slickenline		72	62	good	Reverse motion on Fault. It must postdate vertical veining.
MMJNG046	shear plane	2	190	72	good	Controls min distribution @ the big swifty. Reverse Fault.
MMJNG046	cleavage		185	73	good	
MMJNG046	joint		316	66	good	Density 20/m.
MMJNG047	cleavage	1	316	75	good	
MMJNG047	bedding (upright)	0	275	26	good	
MMJNG047	vein (>10cm)	2	285	60	moderate	
MMJNG048	cleavage	1	322	43	good	Intense S1 development.

Station Number	Name	Phase	Azimuth	Dip	Quality	Notes
MMJNG048	veinlet (<10cm)		198	80	good	
MMJNG050	Bedding	0	55	13	moderate	
MMJNG051	fold axis	1	106	12	good	Fold axis.
MMJNG051	Bedding	0	295	80	good	
MMJNG051	cleavage	1	319	39	good	Axial planar cleavage.
MMJNG052	shear plane		292	72	moderate	Measurement taken in limestone.
MMJNG052	cleavage		95	26	good	Crenulation cleavage.
MMJNG052	shear plane		285	72	good	Mesaurement taken in phyllite.
MMJNG053	Bedding	0	282	23	good	
MMJNG054	crenulation lineation	3	45	28	good	
MMJNG054	cleavage	1	334	30	good	
MMJNG054	Bedding	0	200	18	moderate	
MMJNG056	tension gash		20	40	moderate	
MMJNG056	veinlet (<10cm)	1	45	69	moderate	
MMJNG056	Bedding	0	237	15	good	

Appendix 6.4
Vein Interval Descriptions

Station Number	Width (cm)	Density	Grainsize	Texture	Veining Notes
JBJNG016	40	2			
JBJNG030	0.3				
JBJNG031	30	1			
JBJNG041	5	5			qtz-chl-arg w pockets lim
JBJNG046	1	12			
JBJNG046	5				
MMJNG039	4		fine	sheeted	Vein exposed for 50 cm along strike. May be part of sheeted vein system observed in outcrop east of sample location. Follow up trenching required.
MMJNG041	1.5	2	fine	sheeted	Vein density varies across the outcrop but generally averages 2 vn per metre. The best sheeted vein density occurs within the second 5.0 metre interval - up to 10 vn/m.
MMJNG042	1	2	fine	sheeted	Sheeted quartz veins range in thickness from 0.1-3.0 cm. Vein density is very difficult to determine given oxidized covering of bedrock but an average of 2/m is a conservative estimate. Only one vein was observed to contain vg @ 2.3 m.
MMJNG043	1	5	fine	sheeted	
MMJNG043	1	3	fine	sheeted	
MMJNG044	15	1	fine	boudinage	
MMJNG044	1	8	fine	sheeted	
MMJNG046	1	3	fine	fractured	
MMJNG047	100		medium-fine	vuggy	
MMJNG048	0.1	5	fine	fractured	
MMJNG050	0.5	30	medium-coarse	stockwork	
MMJNG056	2.5	10	medium-fine	other	
MMJNG056	0.1	2	fine	crackle	

Appendix 6.5
Mineralization Descriptions

Station Number	Code	Style	Oxidation (1-5)	Notes
JBJNG018				
JBJNG030		fractures		strong cb+ank alt; swarms of sub vert nw tren qtz-cb-chl-lim vns w sub-britt tension gas vens@30o
JBJNG036				
MMJNG039		blebby	0	Sample take to confirm bismuthinite mineralization.
MMJNG041		disseminated	0	Pyrite min accompanies si-ab alteration as alteration envelopes.
MMJNG041		veinlets	1	Bi minerals and pyrite hosted within sheted veins and appear as dark grey blebby laminations.
MMJNG042		blebby	1	Bismuthinite and rare visible gold (1 pin head observed @ 2.3 m) occur as blebby laminations infilling hairline fractures @ contact of sheeted veins. Bismuthinite as vfg bluish-grey laminations, blemishes and rarley as sectile euhedral xls. Gold spatially associated with bismuthinite.
MMJNG043		trace	1	20 + specks of scheelite in 2.5 x 3.0 cm fragment of quartz vein.
MMJNG044		blebby	0	Scheelite occurs as vfg-fg disseminations within sheeted veins and within the skarn as fine disseminations enveloping the vein as a halo. Bismuthinite occurs as blebby laminations within sheeted quartz veins and is accompained by scheelite mineralization.
MMJNG046		semimassive	3	
MMJNG048		trace	3	
MMJNG049		trace	3	Mineralization occurs at contact between Limestone and Phylllite - subcrop sample - difficult to determine protolith due to oxidation and alteration.
MMJNG052		other	5	Ferrecrete found within fault zone but not observed in outcrop. Dissolution within the fault zone?
MMJNG056		trace	0	Arsenopyrite mineralization is very rare, and occurrs as dark grey blemishes within quartz.

Appendix 6.6
Alteration Descriptions

Station Number	Assemblage	Assemblage Generation	Process	Texture	Distribution	Intensity (1-5)	Notes
JBJNG021	advanced argillic					4	corrosive silica-clay alt increasing uphill
JBJNG030	carbonate		replacement		discordant	4	strong cb+ank alt; swarms of sub vert nw tren qtz-cb-chl-lim vns w sub-britt tension gas vens@30o
JBJNG031	chlorite		replacement		discordant	4	adjact to 20m granite dyke
JBJNG032	sericite		replacement				pervasive sil alt in matrix. Felds to ser+lim. Bt to epd+chl.
JBJNG034	sericite					4	bleached and greend
JBJNG036	carbonate					5	v strng; qtz porph preseved
JBJNG046						4	chl-cb alt w hornfels overprint; min and alt is lith specific; this unit amenable
MMJNG041	sericitized		replacement	pervasive	selective	4	Sericite alteration selectively replaces plagioclase - pale greenish grey tinge to feldspar. Weathered surfaces are pitted from corrosion of altered feldspar grains.
MMJNG041	silicified		replacement	vein halo	selvage	4	Silica-albite alteration as vein halo/selvage to sheeted vein intervals. Penetrates up to 2 cm from vein contacts but generally < 1 cm.
MMJNG042	sericitized		replacement	selective	selective	4	Weak chloritization of biotite - weathered to limonite along fractures. Selective sericite-clay alteration of feldspar is pervasive.
MMJNG043	skarn	3	static recrystalization	intergrowths	stratabound	5	Retrograde alteration. Epidote overprinting prograde skarn.
MMJNG043	skarn	2	infill	massive infill	fractures	5	Fracture cleavage infill - leakage from underlying actinolite-tremolite-garnet prograde skarn. In places the fractures are up to 50/m and form bifrucating anastomosing networks. As selvageto BiS rich sheeted veins. Emanate along cleavage parallel to and oblique to the veins.
MMJNG043	silicified	1	static recrystalization	hornfels	local	4	Associated with skarn formation.
MMJNG044	skarn	1	replacement	selective	stratabound	5	Prograde skarn.
MMJNG044	skarn	2	replacement	selective	selective	3	Retrograde alteration of skarn.
MMJNG045	bleached		replacement	vein halo	envelope	4	bleaching of phyllite associated with actinolite infill of tension gash fractures that parallel the march fault. Alteration envelope extends up to 3 cm from the tension gash veinlets.
MMJNG046	silicified	1	replacement	pervasive	local	5	Silicification accompanies sulphidation event. Smokey dark grey silica is vfg matrix. Halo and within the brecciated shear zone.
MMJNG046	clay		replacement	selective	selective	3	Feldspar selectively altered to pale grey clay.
MMJNG047	carbonate	1	replacement	patchy	selvage	3	Ankerite alteration associated with quartz veining.