ASSESSMENT REPORT, 2017 Exploration PROGRAM

MCCONNELL'S JEST PROPERTY

MAYO MINING DIVISION, YUKON, CANADA
NTSMAP SHEET: 106D/03 AND105M/14, NAD83 ZONE 8
479000 m E and 7100000 m N

Claim Name	Number(s)	Grant Number	Registered Owner
McConnells Jest	1 to 40	YD16701 to YD16740	Bill Koe-Carson - 100%
McConnells Jest	41 to 52	YD54701 to YD54712	Bill Koe-Carson - 100%
McConnells Jest	53 to 56	YD54713 to YD54716	Bill Koe-Carson - 100%
McConnells Jest	57 to 120	YD54717 to YD54780	Bill Koe-Carson - 100%
McConnells Jest	121 to 125	YD61470 to YD61474	Bill Koe-Carson - 100%
McConnells Jest	126 - 172	YD126853 - YD126899	Bill Koe-Carson - 100%

PERIOD OF WORK: May to August 2017

OPERATOR:
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Contents

1.0 Introduction

The McConnells Jest property, located in the central Yukon, lies 65 km northeast of Mayo, Y.T. The property was accessible from Mayo via helicopter which is a 25 minute trip.
The McConnell Property consists of 172 contiguous (quartz) claims, owned 100% by Bill Koe-Carson, and covers approximately 3,371 hectares. Prior to 2017 the property had seen limited exploration. Golden Predator Canada Corp. completed soil and rock sampling programs in 2011 and 2012, while Bill Koe-Carson conducted rock sampling programs in 2014, 2015 and 2016. Much of the data from those periods was used to guide exploration during the summer of 2017.

During the summer of 2017 Zonte completed Phase 1 exploration, which included prospecting, rock and soil sampling and drilling was carried out over a select small portion of the property. Rock sampling identified a number of areas considered to be priority including the Two Four, Pink Mountain, North of Pink Mountain, Hill Target, J Zone and the Tea Zone. Drilling was carried out at the Hill, Pink Mountain and Two Four target areas. Drilling was successful in discovering gold mineralization in drill core at the Two Four zone.

2.0 Property Description and Location

2.1 Location

The McConnells Jest property is closest to the town of Mayo, which is approximately 65 km to the southwest. Mayo itself is 400 km from Whitehorse, the Territorial capital, accessed by the paved and maintained YT-2 N (Alaska Highway N) and YT-11 E highways. The total number of active claims and leases in accordance with the Quartz Mining Act as of 2017 for the McConnells Jest Property stands at 172 claims, as illustrated in Table 1.

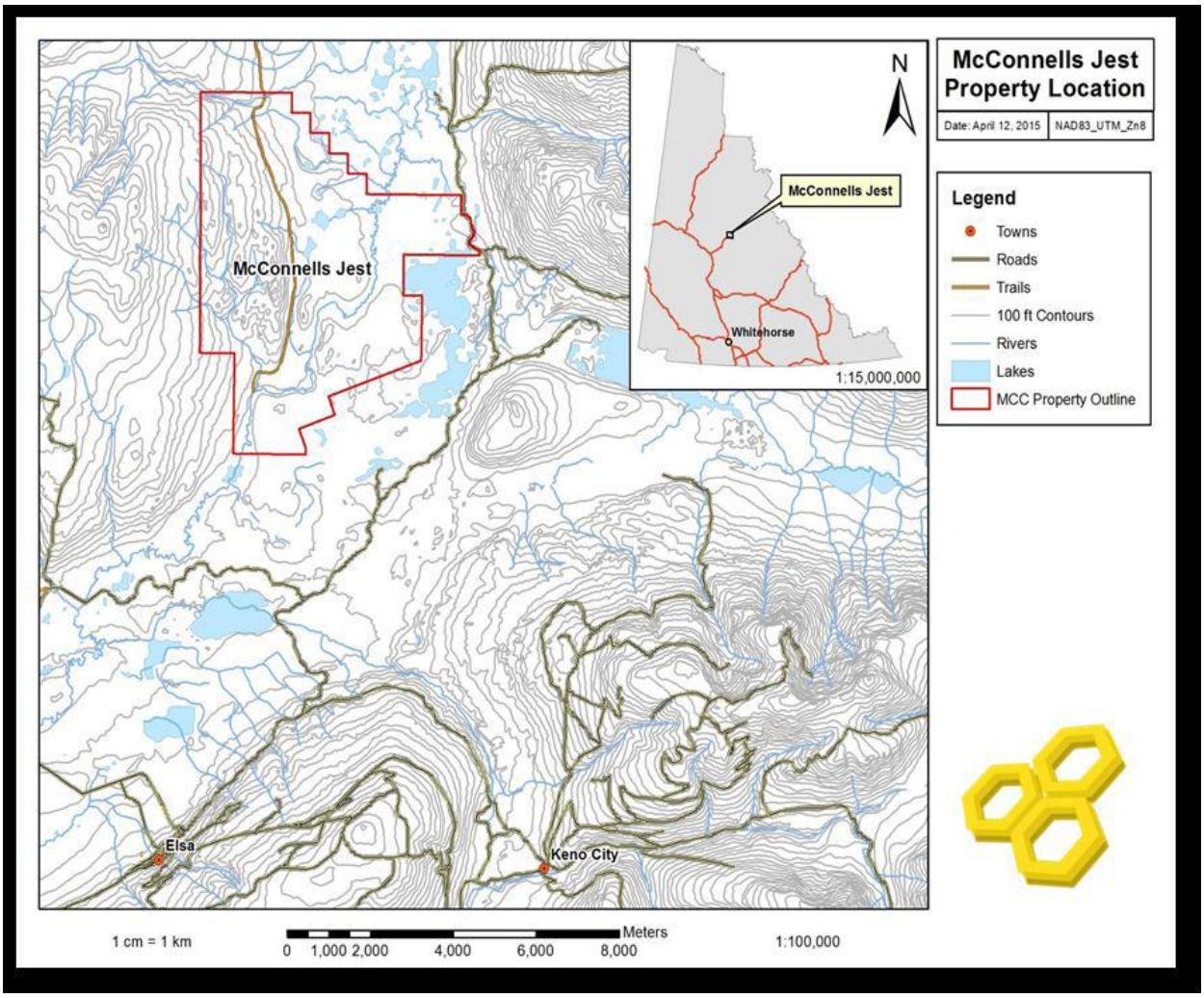

Figure 1. Map showing the boundary of the McConnells Jest claim block. Inset shows position within the Yukon Territory. 3

2.2 Claim Information

Claim Name	Number(s)	Grant Number	Registered Owner
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McConnells Jest	126 - 172	YD126853 - YD126899	Bill Koe-Carson - 100%

Table 1. Claim information for the McConnells Jest property.

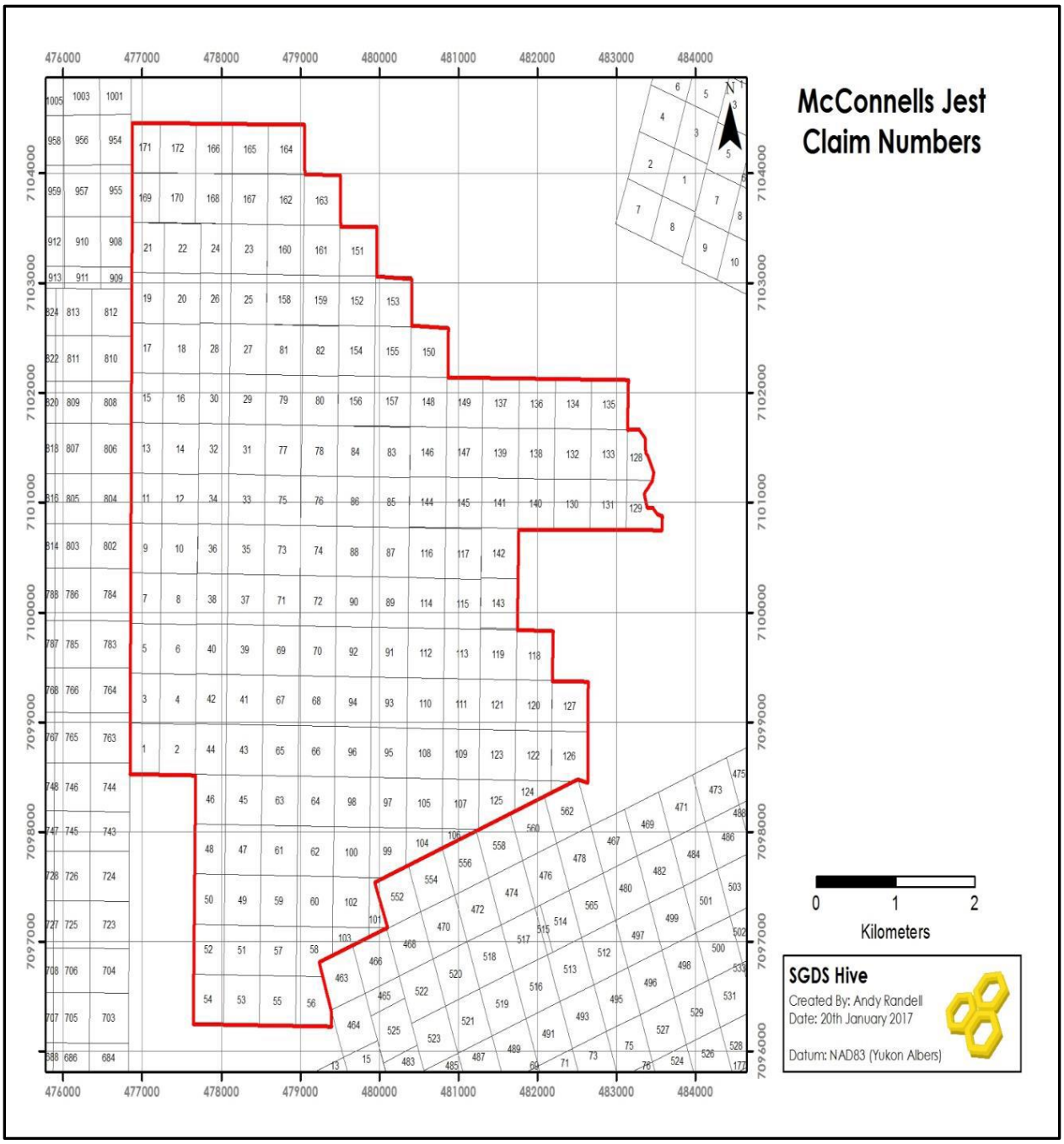


Figure 2. Claim outline and numbers for McConnells Jest.

3.0 Accesibility, Infrastructure, Physiography, Climate

3.1 Accessibility

The property is in the central Yukon and lies 65 km northeast of Mayo, Y.T. on map sheet 106D03 and 105M14 at 479500 m E and 7100000 m N in NAD83 Zone 8 (Figure 1). The closest sizable town is Mayo,

located on the Stewart River, approximately 65 km to the southwest. Mayo is accessible from Whitehorse via a 460 km all-weather road and is also serviced by the Mayo airport, which is located just to the north of Mayo. Helicopter access to the property takes around 25 minutes from the Mayo airstrip.

A series of upgrades to the access to the property were conducted during summer 2016, primarily through the creation of direct road access to the property by the Yukon Government. This road has several culverts and a bridge, the Cristal Creek Bridge, which is rated to carry up to 20 tonnes of load. This road would allow the transportation of heavy equipment, including drilling equipment, to within a few kilometres of the property. A number of previously constructed helicopter landing pads were utilized throughout the property. The helicopter landing pads are summarised in Table 2.

Heli Pad Locations #	Easting	Northing	Description
1	483304	7101459	Road Accessible Camp / Staging Pad
2	478275	7099746	Central Camp & lower Pink Mountain Pad
3	478638	7099983	Upper Pink Mountain Pad
4	477684	7099863	Bullion Zone Pad
5	478408	7098731	Two-Four Zone Pad
6	476829	7100101	Big Quartz Zone Pad
7	477491	7101350	Tea Zone Pad
8	479025	7101152	Seven-Four Zone Pad
9	478166	7097741	Drainage Outflow at McQuesten River Pad

Table 2. Helipad Locations at McConnells Jest

3.2 Infrastructure

Mayo has a population of approximately 450 and offers accommodation, fuel, a nursing station, and earth-moving contractors. The Government of Yukon maintains a 1,400m gravel airstrip, suitable for charter flights, about 3 km north of Mayo. There are no scheduled air services to Mayo. Local resources in terms of manpower, rental equipment, materials, and supplies are very limited.

A broader range of services are available in Whitehorse, Yukon, located about six hours by road to the south of the property. Whitehorse has a population of 22,815 (Statistics Canada, 2013) and has regularly scheduled air service to Vancouver, Edmonton, Calgary, and Fairbanks.
Electrical transmission lines from a hydroelectric facility near Mayo extend to the villages of Elsa and Keno City, about 20 km south of the property.

3.3 Physiography

The property is situated just southwest of the Davidson Range and McQuesten Lake. Topographically, the property lies in the bottom of the McQuesten Valley and is characterized by rolling hills and plateaus; elevation ranges from 640 m to 920 m above sea level. Relief on the property is moderately steep due to creek incising and hills that rise rapidly over lithology

changes (Golden Predator Canada Corp., 2011). The property underwent glaciation during the McConnell glaciation (>23, 000 years ago; Bond, 1999), and it has been demonstrated through a number of field seasons that the ground is covered by basal till (Golden Predator Canada Corp., 2013). Outcrops are rare, generally less than two percent of the surface area, and are limited to ridge tops and creek walls. Patchy permafrost occurs on north-facing slopes (Golden Predator Canada Corp., 2011).

A forest fire in 1998, covering 7,070 hectares, has affected much of the tree growth on the property resulting in a significant amount of dead fall trees on in areas affected by the fire.

3.4 Climate

The central Yukon is characterized by a subarctic continental climate with cold winters and warm summers. The mean annual temperature for the area is approximately -3°C, with an annual range of 63.5°C. January is the coldest month, July the warmest. Average temperatures in the winter are between -15 and -20 degrees Celsius (°C) but can reach -60°C. The summers are moderately warm with average temperatures in July around 15°C. Annual precipitation ranges from 375 to 600 mm, about half of which falls as snow, which starts to accumulate in October and remains into May or June.

Because of its northern latitude, winter days are short with the sun low on the horizon such that north-facing slopes can experience ten weeks without direct sunlight around the winter solstice. Conversely, summer days are very long, especially in early summer around the summer solstice. Exploration and mining work can be carried out year-round.

4.0 History

There are no historical quartz claims recorded in the immediate vicinity of the property. However, based on the Minfile occurrence report for “Zed” (106D 055), United Keno Hill Mines had some ground over the current McConnells Jest claims. Throughout the 1960s and 1970s, United Keno Hill Mines carried out grid soil sampling and prospecting on its claim groups including over the Zed occurrence. No significant mineralization was recorded, and no assessment report was filed.

The area was regionally mapped (1:250,000) by L. Green (1972) of the GSC, and by C. Roots (1997) of the GSC, who remapped topographic map sheet 105 M located to the immediate south. In 2003, Gordey and Makepeace of the of the GSC released a geological compilation which included the area (MinFile#: 106D 055, 2008).

The ground remained unclaimed until Bill Koe’-Carson staked the ground in 2010.

5.0 Geology

5.1 Regional Geology

The McConnell pluton is one of a series of Cretaceous plutons that have been included in the Tintina Gold Province (see Fig. 3). The Tintina Gold Province (e.g. Hart, 2004) is a belt of Au-deposits in the Northern Cordillera of Yukon and Alaska that are bounded by two dextral transpressional fault systems - the Denali Fault (southern limit) and the Tintina Fault (northern limit). The belt extends beyond the northern tip of the Tintina Fault, into the Selwyn Basin in the Yukon, and into the western-most NWT. Within the Tintina Gold Province a series of highly prospective Intrusion-Related Gold (IRGS) deposits (Pink belt in Fig. 3) form the Tombstone Gold Belt, the most significant host to IRGS globally.

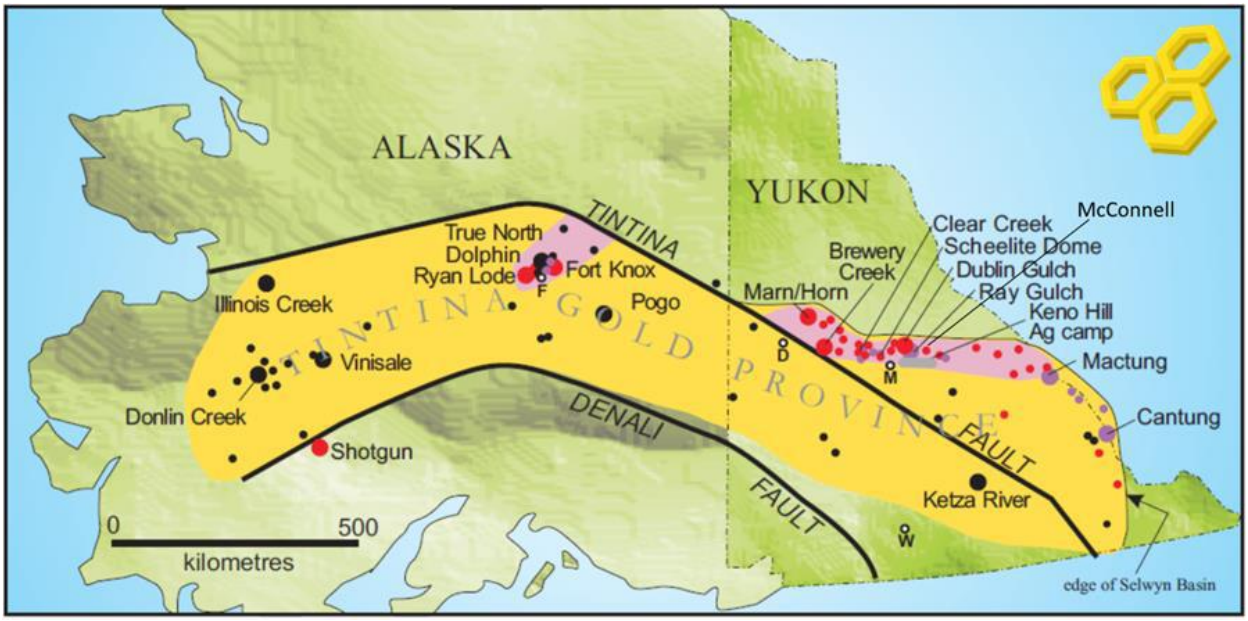


Figure 3. Map of the Tintina Gold Province for the Yukon Territory and Alaska. Mineral deposits are shown as large circles, mineral occurrences are shown as small circles. Gold deposits in red dots could be considered under the same genetic model as McConnells Jest. Deposits marked in black dots are not of the same origin, or are ambiguous in origin. Deposits marked in purple are skarn deposits (predominantly W-bearing). Within the TGP is the Tombstone Gold Belt (TGB; marked in pink) which is the major host to gold deposits in the Yukon and Alaska. Mair et al. (2006) suggested ~450 km of post-formation offset along the Tintina Fault, causing displacement of the Fairbanks district. Population centres marked are Whitehorse (W), Mayo (Mayo), Dawson (D) and Fairbanks (F). After Hart (2007).

The property lies on the north central margin of the Selwyn Basin tectonic province. The Selwyn Basin, a passive margin sequence, was deposited on the north-western margin of North America during the late Precambrian through Middle Jurassic (Abbott et al. 1986; Gordey and Anderson, 1993). The McConnell property is underlain by metasedimentary rocks of the Earn Group of the Selwyn Basin. The Earn Group consists of a series of metasedimentary and meta-volcanic rocks originally deposited during the Devonian to Mississippian. Metasedimentary rocks are commonly grey to black shales, metamorphosed to phyllite, with subordinate chert, siltstone, sandstone, limestone, bedded barite, baritic limestone, and chert-pebble conglomerate. A chlorite-muscovite phyllite unit is proposed to be a metamorphosed felsic

volcanic rock (Murphy, 1997). The depositional environment of the Earn Group was a deep marine basin disrupted by faults to cause periods of coarser clastic influx (Abbott et al. 1986).
Deformation within the Selwyn Basin is associated with the Cordilleran Orogeny. Metamorphism is typically of lower greenschist facies. The formation of a series of folds and three thrust sheets initiated in the Jurassic as the localized effects of Cordilleran convergence began (Mair et al. 2006) The Dawson Thrust, the Tombstone Thrust, and the Robert Service Thrusts disrupt the stratigraphy of the basin (see Fig. 3) and may have formed structural conduits for magma during ascent through the crust.

The Tombstone Gold Belt has been divided into a number of suites based on the age, location, morphology and geochemical properties of plutons. In the north-central Selwyn Basin these are the Tombstone Suite (94 Ma – 89 Ma), the Mayo Suite (96 Ma – 93 Ma), and the Tungsten Suite (98 Ma – 94 Ma) (Rasmussen, 2013). Although no date exists for the McConnell pluton, its proximity to Dublin Gulch and the Roop Lakes Stock (94.0 Ma and 92.8 Ma; Selby et al. 2003; Roots, 1997) suggests an age of c. 93 Ma and a classification within the Mayo Suite. The Mayo Suite is characterized by 1-5 km2 (east)/ 20-80 km2 (west), single phase to weakly composite plutons, which are alkalic-calcic to calcic and chiefly composed of quartz monzonite, trending east-west along the northern margin of the Selwyn Basin (Hart et al. 2004).

Metamorphic cooling ages (40Ar-39Ar; Mair et al. 2006) indicate that plutonism in the area took place around 10 Ma after the cessation of Cordilleran collisional tectonics. Plutonism took place around 500 km inboard from the active subduction of the Farallon plate beneath North America, indicating that Andean-style subduction related plutonism is not the source of melting. Melting for plutonism took place in the sub continental lithospheric mantle due to mantle upwelling (and associated heat flow) after delamination (Mair et al. 2011).

5.2 Property Geology

Paleozoic clastic rocks of the upper Devonian and Mississippian Earn Group underlie the majority of the McConnell property (Fig. 4). These metasedimentary sequences were formed in a submarine fan and channel deposit setting and subsequently deformed during Cordilleran tectonics. Rock types in the Earn Group are predominantly siliceous shales and cherts with interbeds of arenites and wackes, chert pebble conglomerates, siltstones and barite with rare limestone (Murphy, 1997). A quartz mica schist is the most commonly mapped expression of the Earn Group on the property to date (Koe-Carson, 2010).

At least three intrusive phases were identified at the project. Two felsic phases were identified with a contact present at (Bullion Zone). The contact is a sharp, suggesting that limited mingling or mixing of the magmas took place and that the magma which was intruded first was at least partially crystallised at the time of the intrusion of the second phase. The granodiorite is typically equigranular to mildly porphyritic, alkali feldspar and plagioclase phenocrysts, with roughly 10-15% mafic minerals, dominantly biotite with minor hornblende. The quartz monzonite shows a more strongly developed porphyritic texture with a higher proportion of

alkali feldspar phenocrysts than the granodiorite, giving the rock a generally lighter colour. The groundmass of quartz monzonite is fine grained and has around 5% mafic minerals, mostly biotite. The proportion of phenocrysts in quartz monzonite is much higher than in granodiorite, indicating a much quicker cooling profile for the quartz monzonite than for the granodiorite. Biotite grains in the granodiorite are aligned indicating strain during emplacement and crystallisation of this igneous phase.

Outcrops of the pluton consistently display a high density of joints, in three major orientations. These joint sets are most likely a result of dilation due to the removal of ice following the end of the McConnell glaciation. The timing of the formation of these joint sets is far younger than the proposed timing for mineralisation so should not be considered as important structural conduits for mineralising fluids. Instead, these joints represent the strain field at the end of glaciation.

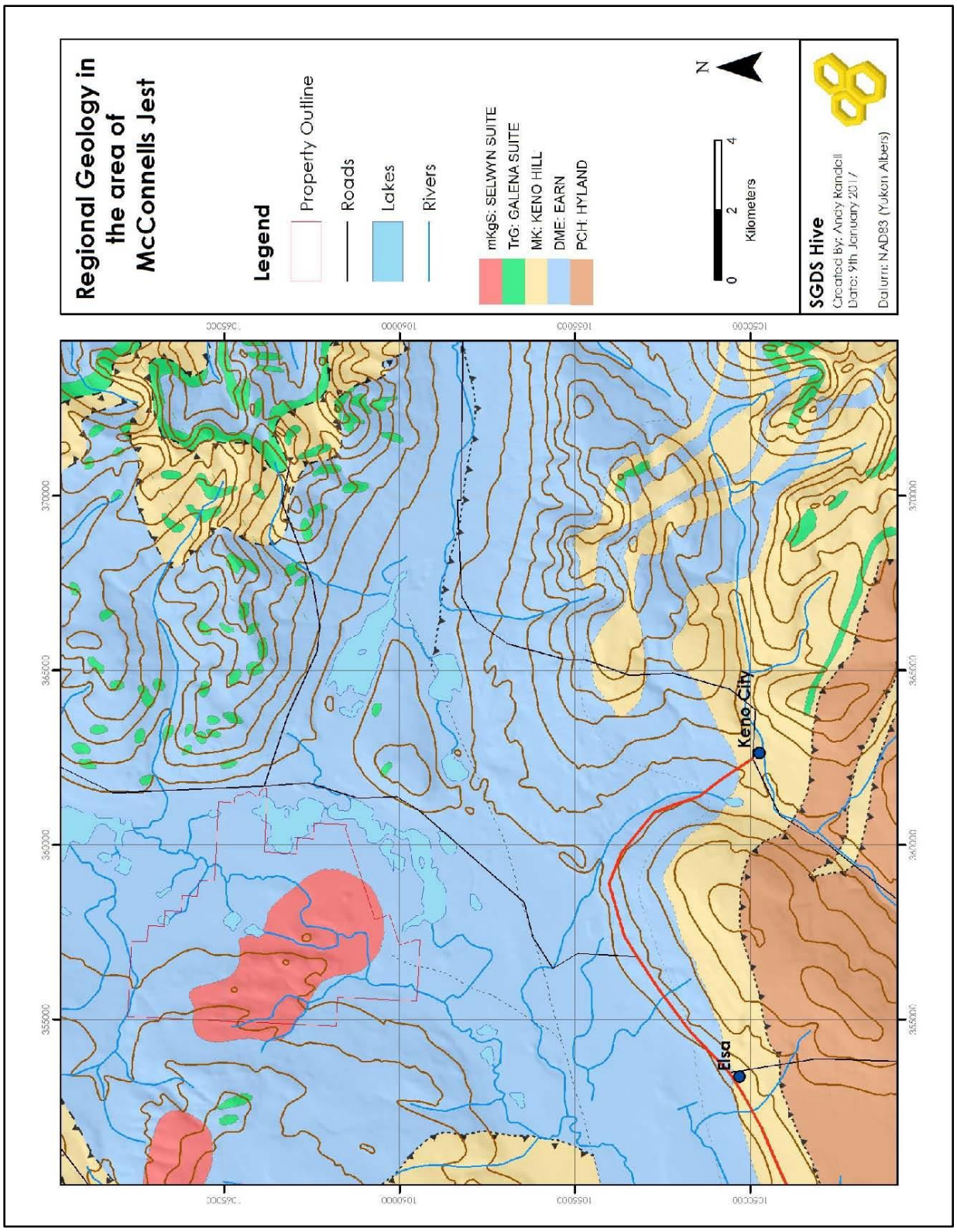


Figure 4. Regional Geology of the McConnells Jest area. A mid-Cretaceous pluton intrudes metasedimentary rocks

6.0 Exploration

The 2017 Phase 1 program initially focused on the prospecting for additional IRG mineralization. The program focused on three areas including the Two Four Zone, Pink Mountain and Hill Target. The Hill Target was discovered early in the season and became a priority target for exploration. Additional exploration was carried out on the J Zone and Tea Zone as well. Many areas of interest were not visited during the 2017 season. Field exploration over the summer was mostly limited to a small area of the pluton where subsequent drilling was carried out. A total of 1027 metres was drilled in five holes on three targets including the Hill, Two Four and Pink Mountain. Two holes each were drilled on the Hill and Two Four targets.

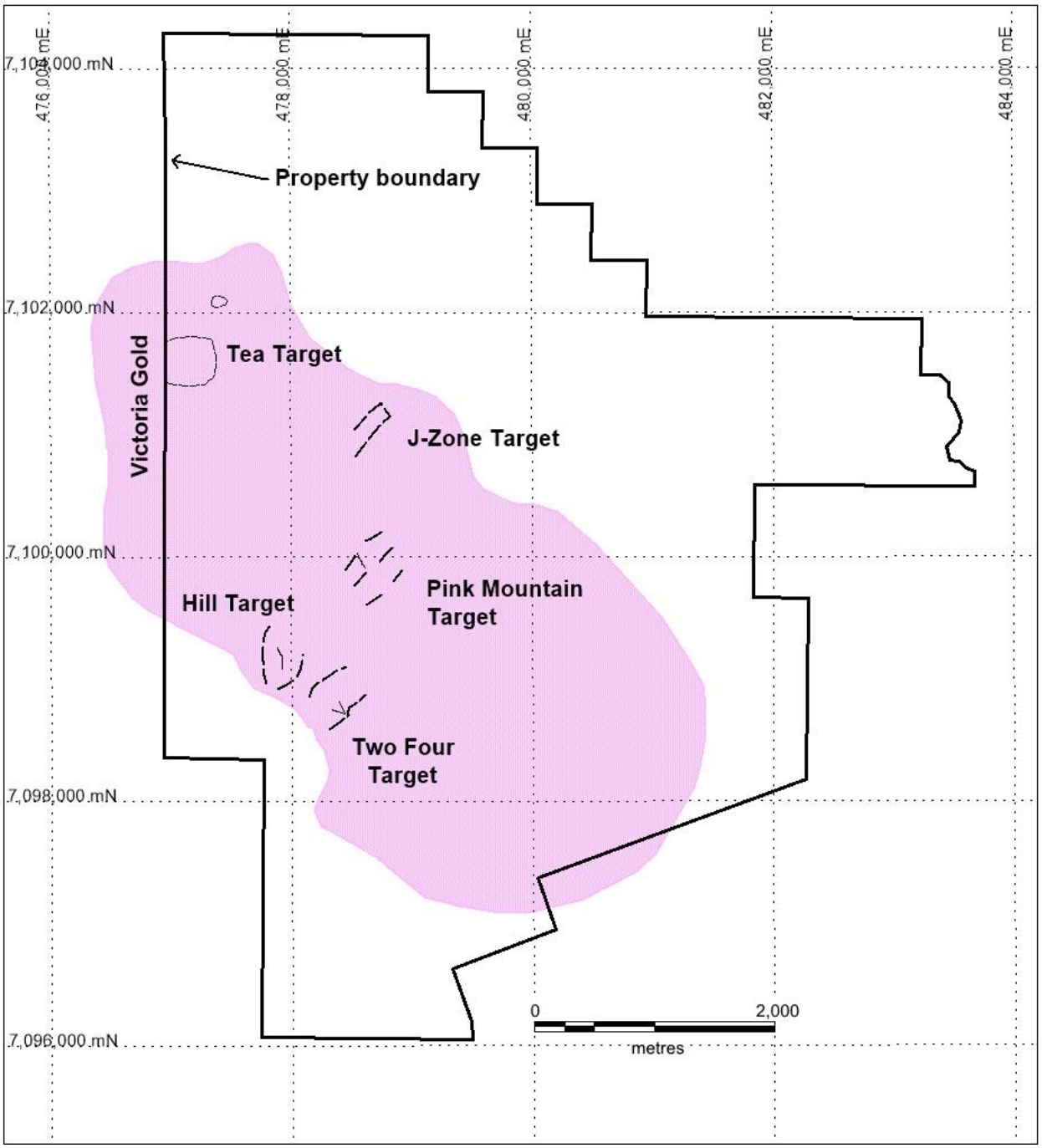


Figure 5. Areas explored during the 2017 Phase 1 program by Zonte Metals.

6.1 Hill Target

The Hill Zone was identified from bedrock vein sampling within a 60 m high hill that measures about 400 by 400 m. Rock sampling was aided by intermittent cliff exposures about half way up the hill side. Numerous quartz-arsenopyrite-scorodite veins were sampled and returned assays

up to 31.3 g/t Au, with the majority ranging between 10 and 31.3 g/t Au. Mineralization was also observed in quartz veins, quartz micro veins and altered fracture zones within the granodiorite. Many of the quartz and micro quartz vein samples collected displayed heavy oxidation and in several samples partially oxidized sulphides were identified.

Dilling at the Hill Target was completed from a single pad. A map showing the drill holes projected to surface is illustrated in Figure 6.

Drilling at the target did not intersect any mineralized zones over 10 metres. Mostly results were low grade and contained in individual sample intervals. The table below shows the samples which returned gold in both drill holes at the Hill Target.

MJ1		To	From	Interval (m)	Au (g/t)
		13.67	19.02	5.35	0.268
	And	31.49	32.99	1.5	2.06
MJ2		61.63	62.48	0.85	0.329
	And	84.41	85.6	1.19	0.654
	And	89.22	90.04	0.82	2.89
	And	109.83	111.33	1.5	0.976
	And	205.04	206.54	1.5	0.567

Table 3 illustrating drill hole data in MJ-01 and 02 at the Hill Target.

The Hill Target sits along government mapped western shoulder of the pluton as does the Two-Four Zone. In Intrusion Related Gold Systems (IRGS) the “shoulders” of plutons are areas where mineralization is often concentrated. To date, very limited exploration has been carried out beyond these two areas along the western shoulder of the pluton. Although the Hill and Two-Four Zones are close spatially, it’s unclear the genetic relationship since there is no outcrop between them. In addition, field visits to the identify the western edge of the pluton at the Hill Target area showed the area covered in till, so the exact location is not known and could be further to the west than anticipated.

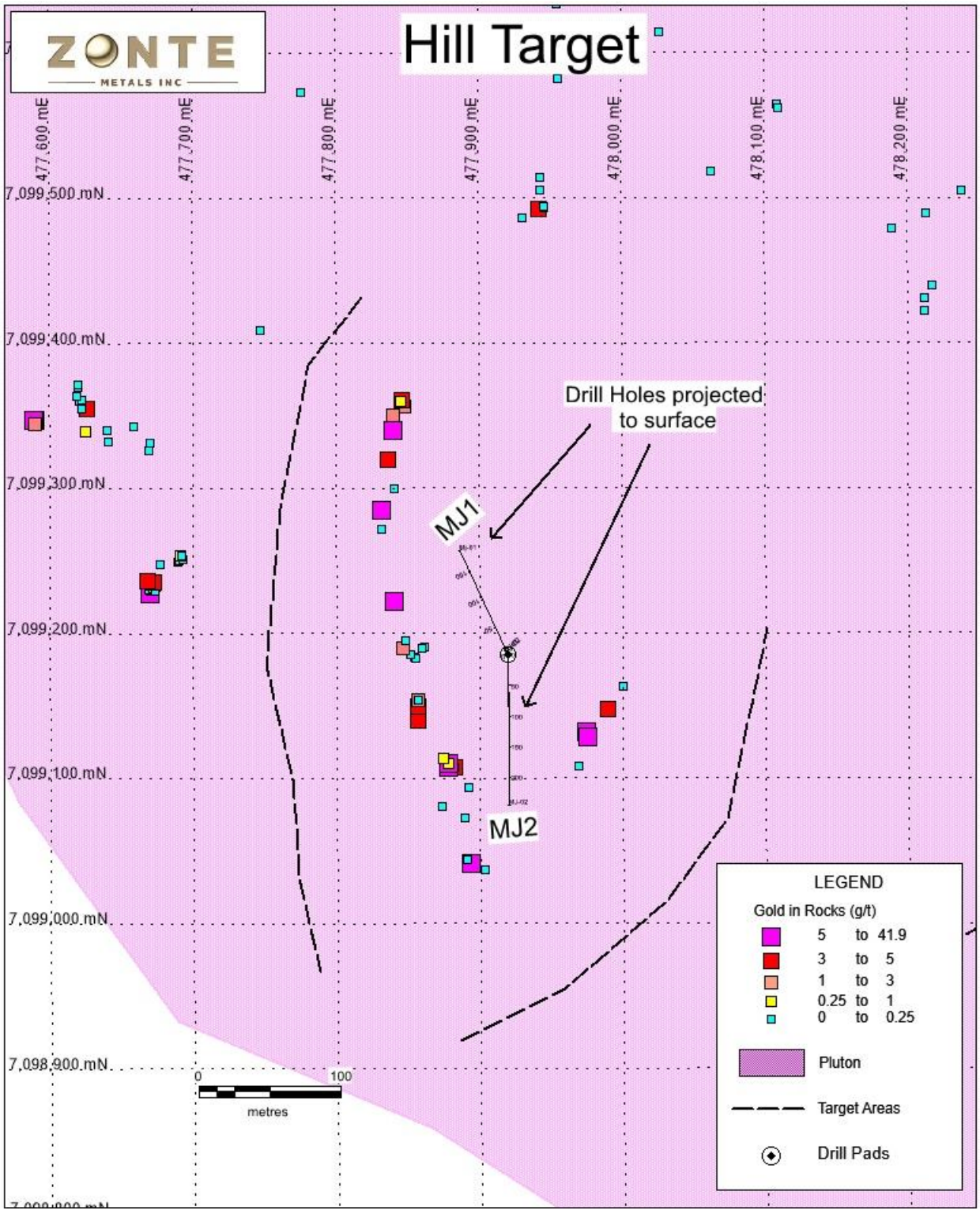


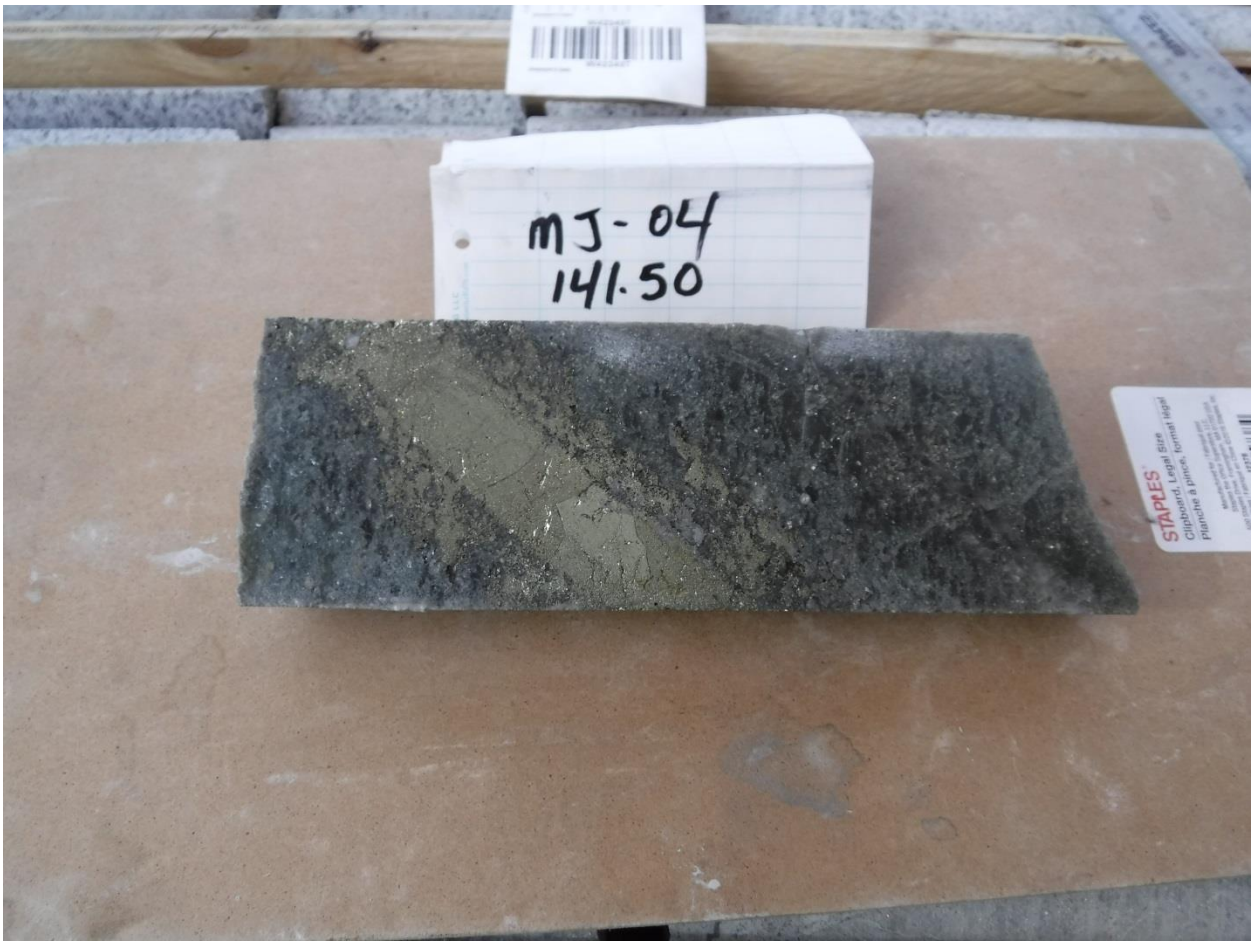
Figure 6. Surface rock samples with gold assays and location of drill holes, projected to surface, at the Hill Target.

6.2 Two Four Target

The Two-Four Zone was initially discovered in 2016 in a 10 m exposed cliff face where quartz-arsenopyrite-scorodite veins were concentrated at frequencies of up to one vein per metre, which is considered high for Intrusion Related Gold Systems (IRGS). Initial gold assay values from the discovery zone where up to 41.9 g/t Au. The presence of gold in the Two-Four Zone was not limited to quartz-scorodite veins, as gold was also hosted by quartz veins and altered granodorite zones with values up to 33 g/t Au.

The 2017 program at the Two-Four Target focused on sampling outward from the 2016 discovery showing. The 2017 sampling program identified a target area of 350 by 250 m, which remains open in two directions. Gold assays returned values up to 20.6 g/t Au and as with the discovery outcrop of the Two-Four Zone, quartz-arsenopyrite-scorodite veins were present in higher than normal frequencies for IRGS-type deposits. Sampling was aided by a series of 5 to 10 m cliff faces providing intermittent bedrock exposure throughout the target area. Figure 7 illustrates the rock samples from the target area.

Both drill holes were drill from the same drill pad; MJ-03 was drilled at an azimuth of 335 degrees with a 65 degree dip while MJ-04 was drilled at an azimuth of 285 degrees with a 45 degree dip. Results from MJ-03 returned anomalous gold values hosted in quartz-arsenopyrite (+/- pyrite) veins over +200m of the drill core; including 214.27 metres of 0.109 g/t Au with a 81.81m interval which returned 0.195 g/t Au. Drill hole MJ-04 was drilled to a depth of 148.13m towards the mapped edge of the pluton and past any known surface mineralization to test a soil covered area. The drill hole stayed in the pluton over its length and intersected upper and lower mineralized zones. A 20.45m interval in the upper mineralized zone returned 0.72 g/t Au, within a 62.43m mineralized interval which returned 0.267 g/t Au. The lower zone, at the bottom of the drill hole, from 112.90 to 142.50m (29.60 m) returned 0.53 g/t Au, including a 20.28m interval with 0.69 g/t Au. This lower zone showed an increase in veining and having a higher proportion of pyrite to arsenopyrite compared to the upper mineralized zone. The picture below is a pyrite vein at 141m in MJ4. The vein is massive with a halo of mineralization in the granodorite.


MJ-04
141.50
STAPLES

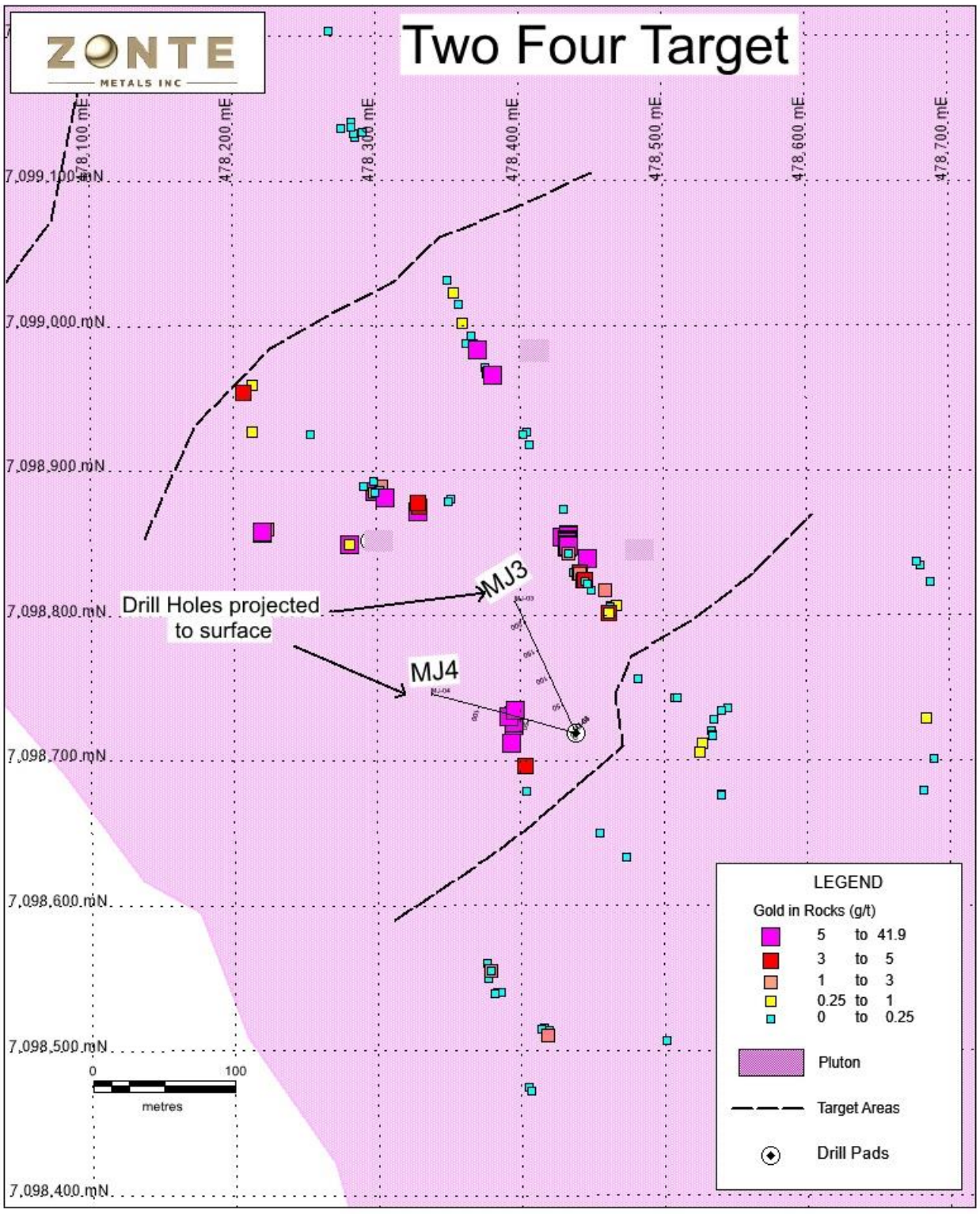


Figure 7. Surface rock samples with gold assays and location of drill holes, projected to surface, at the Two Four Target.

Drill Hole		To	From	Interval (m)	Au (g/t)
MJ-03		0	214.27	214.27	0.109
	incl	38.93	214.27	175.34	0.120
	incl	107.49	214.27	106.78	0.177
	incl	107.49	189.3	81.81	0.195
	incl	107.49	134.63	27.14	0.246
	incl	141.18	189.3	48.12	0.192
	incl	199.78	214.27	14.49	0.201
MJ-04		19.39	81.82	62.43	0.267
	incl	30.53	81.82	51.29	0.318
	incl	45.34	81.82	36.48	0.437
	incl	49.8	81.82	32.02	0.494
	incl	69.4	81.82	12.42	0.717
	And	112.9	142.5	29.6	0.531
	incl	122.22	142.5	20.28	0.692
	incl	134.49	142.5	8.01	1.132

Table 4 illustrating drill hole data in MJ-03 and 04 at the Two Four Target.

6.3 Pink Mountain

Pink Mountain exploration followed up upon previous rock and soil sampling. The company confirmed historic mineralization and extended and filled in areas of mineralization. A map showing the exploration is shown in Figure 8 below. Generally, the target area can be split in two different zones; noted as North and South in the map. The separation of the two areas is noted by a possible NW-SW structure, where north of the structure the density of the mineralized veins in higher.

Sampling at Pink Mountain North was aided by a large exposed cliff face on the west side. Sampling of mineralized veins along the large cliff face returned values up to 11.7 g/t Au. Sampling along the top of the hill was able to provide continuity between the west and east sides of the hill where values up to 16.35 g/t Au.

On Pink Mountain South veining was much less in density, however, samples of mineralized veins carried gold up to 14.9 g/t Au. Generally, this area contained lower values of gold in the mineralized veins.

Exploration of the Pink Mountain Extension area identified a number of mineralized veins. As with Pink Mountain South area, this area had lower density of mineralized veins, however, being lower in elevation it is mostly covered so that assessment is only based on limited outcrop exposure. Sampling did return several veins running just over 5 g/t Au.

Drilling at Pink Mountain was complete with one drill hole named MJ5. MJ5 encountered veining throughout, with most veins being narrow. Gold was interested in a number of individual samples with grades being anomalous. The table below highlights the drill data from Pink Mountain.

Drill Hole		To (m)	Fr (m)	Interval (m)	Au (g/t)
MJ5		4.84	5.39	0.55	0.682
	And	17.73	18.7	0.97	0.367
	And	44.81	46.04	1.23	0.484
	And	49.04	49.83	0.79	0.103
	And	60.05	60.67	0.62	0.135
	And	62.56	63.11	0.55	0.288
	And	64.84	65.67	0.83	0.298
	And	84.95	86.09	1.14	0.232
	And	92.6	93.15	0.55	0.11
	And	127.81	128.37	0.56	0.534

Table 5 illustrating drill hole data in MJ-05 at the Pink Mountain target.

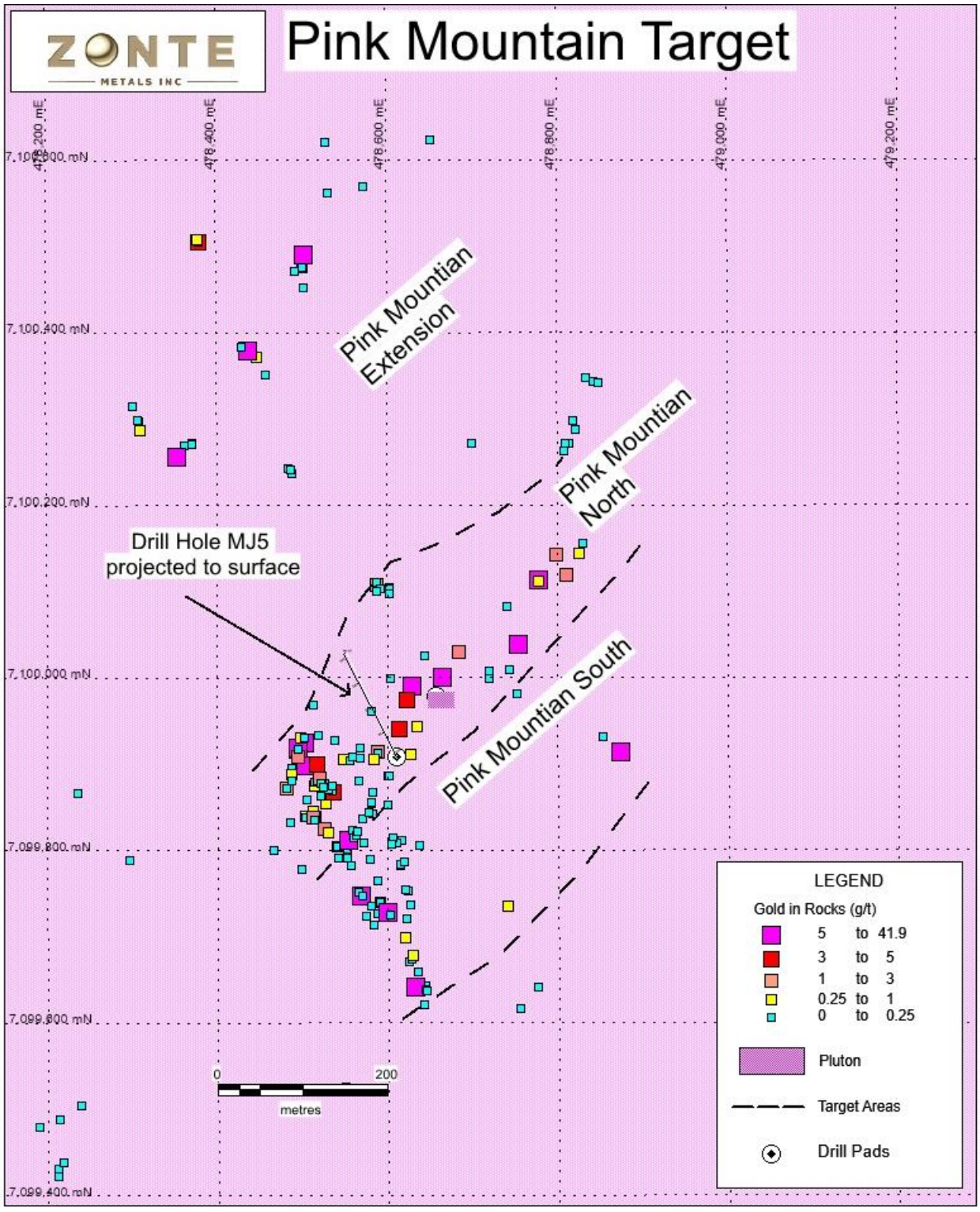


Figure 8. Gold in rock samples and location and projection to surface of drill hole MJ5 at the Pink Mountain target area.

6.4 J Zone

The J Zone, formerly known as the Seven-Four target, was discovered this summer after following up on a historic rock sample. This target lies about 1.3km north of Pink Mountain and is located within an area of the pluton with dense fracturing. The zone is characterized by fracture hosted narrow arsenopyrite veins. Sampling of the arsenopyrite veins returned values from anomalous to 5.35 g/t Au. The mineralization which is exposed in a cliff face appears to sit in a SW-NE structure that is 150m wide and over 500m long. Additional soil sampling and more detailed rock sampling is required to delineate this target. A number of other samples returned gold values in the area between the J Zone and Pink Mountain targets, however, outcrop exposure was poor and this larger area warrants detailed exploration

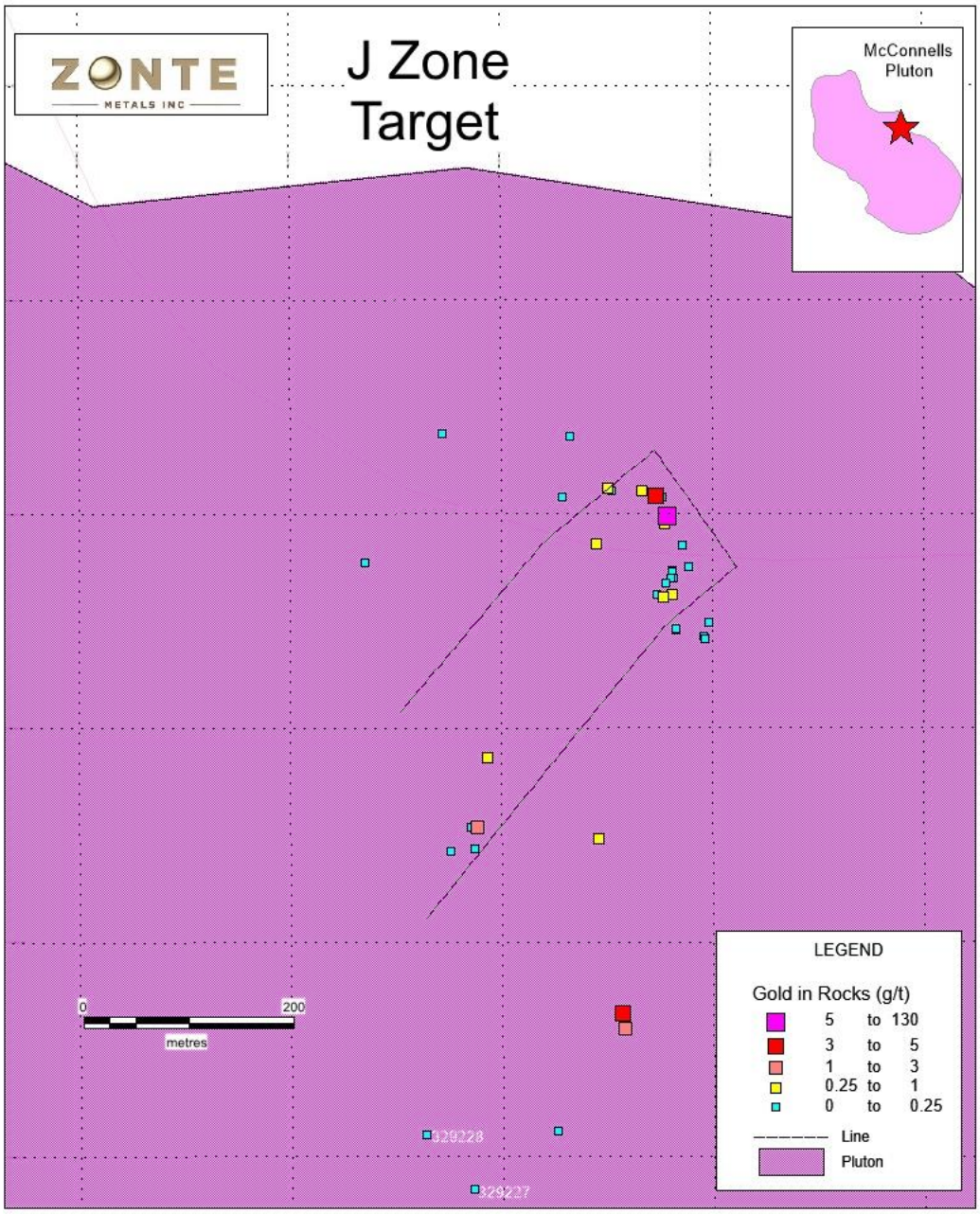


Figure 9. Gold in rock samples and location at the J Zone target area.

6.5 Tea Zone

The Tea Zone target, on the north-western side of the pluton, was examined for one day. Outcrop exposure was limited to a narrow valley were a number of veins were identified at the southern end. One high-grade sample was collected from a quartz-arsenopyrite vein which ranged from 5 to 10cm in width and assayed 129 g/t Au. Two other veins returned 0.92 g/t and 2.72 g/t Au in

this area. Soil geochemistry exhibits a multi-element anomaly which extends from the sampled veins to the west for 390m and having at least 200m dimension in a north-south orientation. No exploration was completed in in this area with the multi-element soil anomaly.

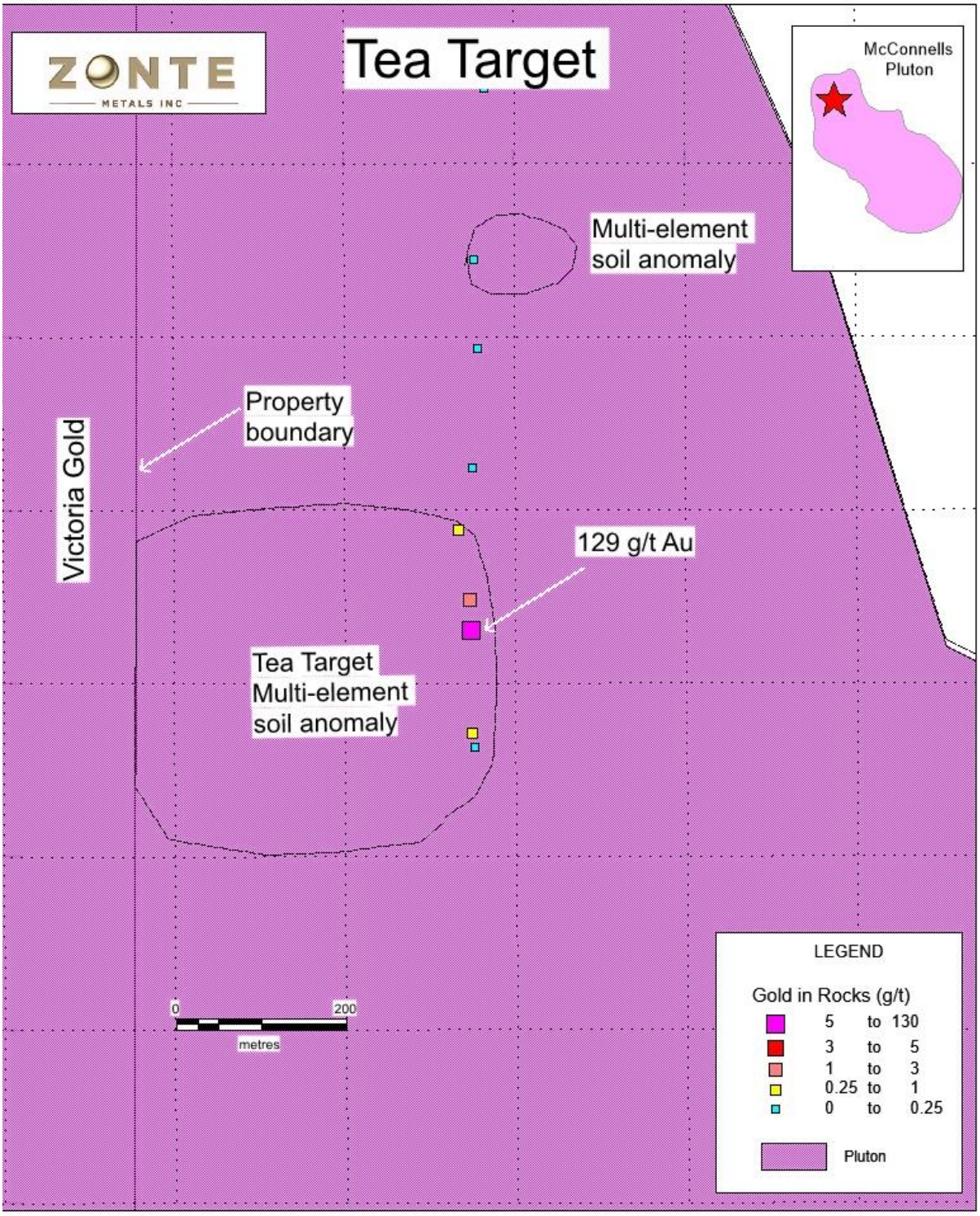


Figure 10. Tea zone data from 2017 illustrating the high Au at the target.

7.0 Discussion and Conclusions

Exploration throughout the area identified the Hill Target as a new target of interest. Follow up sampling at the Two Four and Pink Mountain confirmed both areas as priority areas.

The Hill Target returned high-grade gold in veining. The target itself is a hill and the sampling of the veins on cliff faces, which means the target is displaced in some form and the veining most likely continues beyond the hill itself. Sampling adjacent and to the north of the hill did identify an additional area with good gold mineralization and this could be the extension of mineralization sampled in the cliff face on the northern side of the Hill Target.

Results from the drilling at the Hill Target were disappointing with no single interval with gold grades of interest. These drill results require the target to be examined in more detail to ascertain the potential and the potential of the adjacent areas. One area of interest is the area between the Two Four and Hill where most of the area appears to be in an area of possible structure and low lying being covered in soil.

The Pink Mountain target returned surface gold values throughout the area. The large cliff face on the west side and smaller on the east side of the mountain allowed sampling of the target. As with the Hill Target area these cliff faces suggest mineralization extends beyond the target area itself. The most obvious area of interest is to the east and west of the mountain. Sampling in and around the mountain identified a higher density of veining on the northern half of the mountain. Drilling was with just one hole at the SW side of the target. This drill hole failed to provide a single long interval of gold mineralization, however, there were more singular mineralized intervals compared to the Hill Target.

Exploration at Pink Mountain will require soil sampling to the west east and north. To the north, referred to as Pink Mountain Extension, did return gold values in mineralized veins. Within the Mountain itself, a focus on identifying areas of higher vein densities prior to additional drilling will be required.

The Two Four Target returned significant results throughout the sampling program with good vein densities. Sampling again was aided by a large cliff face on the eastern edge of the known target. Several other smaller cliff faces on the western side aided sampling as well, suggesting the target is open to the east and west. The of cliff faces at this target appear to be a stepped sequence with the ones on the western side at lower elevations and just beyond the most western cliff the area is covered in soil.

Drilling at the Two Four Target resulted in a discovery where both holes interested gold over significant widths; with MJ3 showing anomalous results over +200 m and MJ4 recording gold grades within the IRGS model. MJ4 was drilled out to the soiled covered area, beyond any bedrock exposure intersected gold mineralization suggesting the soil covered area could host mineralization. Exploration in this area is probably best first tested by a high density soil program which would help define any additional techniques.

Exploration beyond these targets including the J Zone and Tea Zone illustrate the large scale potential of the project. The pluton is mineralized and the potential is high with most of the pluton yet to see a concerted exploration program.

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I, Terry Christopher, of Centreville, Nova Scotia, do hereby certify that;

1. I graduated from Memorial University of Newfoundland with a BSc (hon) and a Ph.D. in Earth Sciences in 1991 and 1999, respectively.

2. I have been actively engaged in the mineral exploration and mining in Canada, USA, Mexico and South America since 1996.

3. I am the President and CEO of Zonte Metals Inc, a junior mineral exploration company, that trades on the Toronto Venture Exchange.

4. Zonte Metals has an option on the McConnells Jest Project from the owner, Bill Koe-Carson.

5. The Information in the report is accurate and I am responsible for reviewing and approving all items in this report. I worked at the project during 2017 and managed all the field operations that are covered herein. I'm not aware of any material change to the subject matter herein that is not reflected in this assessment report.

Dated at Centreville, Nova Scotia, this 30th day of November, 2018.

"Terry Christopher" (signed)

Terry Christopher, Ph.D
President and CEO, Zonte Metals Inc.

APPENDIX 1: QUALITY CONTROL FOR GEOCHEMISTY

All2017 hand rock samples were carried out in a careful and diligent manner using scientifically established sampling practices designed and tested to ensure that the results are representative and reliable. QA/QC includes the random insertion of blanks and duplicate samples in each sample batch. Samples are described, photographed, tagged and sealed prior to being aggregated into rice bags and submitted by Zonte personnel or a third party expeditor to ALS Global mineral preparation facility in Whitehorse, YT with the chemical analysis completed in Vancouver, BC. is an independent, reputable and accredited full-service commercial laboratory accredited to

All 2017 drill core samples were carried out in a careful and diligent manner using scientifically established sampling practices designed and tested to ensure that the results are representative and reliable. All drill core was logged and prepared for shipment on site and shipped to ALS in Whitehorse using a third-party contractor, under Zonte personnel supervision. QA/QC included the systematic insertion of certified standards, blanks and field duplicates. Samples were described, photographed, tagged and sealed prior to being aggregated into rice bags and submitted for analysis by ALS Global and analyzed for the ME-ICP41a package (34 element ICP-AES) and AU-AA24 for gold (a 50 gram Fire Assay Au finish).

ALS Global is an independent, reputable and accredited full-service commercial laboratory accredited to ISO/IEC 17025:2005. ALS Global also provides its own internal QA/QC protocol of blanks, duplicates and standards in each work order, which is supplied to the Zonte with the rock sample analysis.

APPENDIX 2: ROCK SAMPLE LOCATIONS

Sample	East	North		Sample	Easting	Northing
57301	478331	7098870		57431	478267	7099203
57302	478330	7098875		57432	478331	7099340
57305	478331	7098873		57433	478331	7099340
57307	478329	7098879		57434	478324	7099315
57310	478299	7098885		57435	478336	7099300
57311	478298	7098885		57436	478334	7099296
57312	478303	7098889		57437	478342	7099275
57313	478302	7098887		57438	478350	7099266
57314	478298	7098893		57439	478350	7099031
57315	478281	7098846		57441	478358	7099015
57318	478280.6	7098849		57442	478360	7099002
57401	478545	7098736		57443	478366	7098993
57402	478535	7098728		57444	478363	7098988
57403	478540	7098734		57445	478368	7098988
57404	478533	7098720		57446	478371	7098983
57405	478534	7098718		57447	478376	7098971
57406	478534	7098717		57448	478378	7098968
57407	478527	7098712		57450	478380.5	7098966
57408	478525	7098706		57451	478405	7098927
57409	478540	7098677		57452	478402	7098925
57410	478540	7098676		57453	478407	7098918
57411	478474	7098633		57495	477893	7099041
57412	478379	7098555		57496	477891	7099044
57413	478379	7098555		57497	477873	7099081
57414	478386	7098540		57498	477892	7099094
57415	478381	7098539		57499	477882	7099108
57416	478414	7098515		57500	477882	7099108
57417	478419	7098514		57501	477878	7099108
57418	478418	7098510		57502	477878	7099110
57420	478407	7098472		57503	477878	7099110
57421	478501	7098507		57504	477874	7099114
57422	478455	7098650		57505	477856	7099140
57423	478286	7099130		57506	477855	7099140
57424	478291	7099134		57507	477857	7099140
57425	478291	7099134		57508	477857	7099150
57426	478285	7099133		57509	477857	7099154
57427	478283	7099141		57510	477857	7099154
57428	478283	7099141		57511	477857	7099154
57429	478283	7099137		57512	477854	7099184

57430	478276	7099136		57513	477855	7099183
Sample	Easting	Northing		Sample	Easting	Northing
57514	477989	7099148		57456	478429	7098855
57515	477974	7099132		57457	478429	7098854
57516	477975	7099128		57458	478434	7098856
57517	477969	7099108		57459	478434	7098855
57518	478213	7098959		57460	478433	7098852
57519	478213	7098927		57461	478433	7098852
57520	478207	7098954		57462	478433	7098847
57521	478254	7098925		57463	478432	7098850
57522	478291	7098889		57464	478433	7098850
57523	477861	7099191		57465	478433	7098847
57524	477860	7099190		57466	478434	7098849
57525	477852	7099185		57467	478434	7098849
57526	477846	7099190		57468	478434	7098848
57527	477846	7099189		57469	478434	7098843
57528	477848	7099195		57470	478434	7098843
57529	477848	7099195		57471	478447	7098839
57530	477840	7099222		57472	478437	7098830
57531	477832	7099272		57473	478442	7098830
57532	477832	7099285		57474	478442	7098829
57533	477832	7099285		57475	478443	7098824
57534	477840.5	7099300		57476	478442	7098822
57535	477841	7099300		57477	478445	7098824
57536	477836	7099318		57478	478445	7098824
57537	477836	7099320		57479	478447	7098822
57538	477848	7099356		57481	478450	7098817
57539	477840	7099340		57482	478459	7098817
57540	477841	7099349		57483	478463	7098807
57541	477840	7099350		57484	478467	7098807
57542	477846	7099361		57485	478463	7098806
57543	477845	7099360		57486	478463	7098804
57544	missing	missing		57487	478462	7098802
57545	478000	7099163		57488	478462	7098802
57546	478220	7098860		57489	478466	7099800
57547	478223	7098860		57491	478792	7098771
57548	478352	7098880		57492	478482	7098756
57549	478352	7098880		57493	478508	7098743
57550	478350	7098879		57494	478509	7098743
57440	478354	7099023		57303	478329	7098872
57449	478381	7098966		57304	478330	7098875
57454	478430	7098873		57306	478329	7098878
57455	478429	7098855		57308	478306	7098881

Sample	Easting	Northing		Sample	Easting	Northing
57309	478299	7098885		57364	477641	7099332
57320	478220	7098857		57365	477641	7099332
57316	478281	7098849		57366	477640	7099340
57317	478281	7098849		57367	477625	7099358
57319	478220	7098858		57368	477625	7099339
57321	478773	7098868		57369	477626	7099355
57322	478773	7098868		57370	477622	7099355
57323	478782	7098875		57371	477621	7099360
57324	478790	7098897		57372	477622	7099360
57325	478814	7098916		57373	477622	7099361
57326	478819	7098926		57374	477619	7099364
57327	478832	7098945		57375	477620	7099372
57328	478832	7099044		57376	477590	7099347
57329	478684	7098729		57377	477589	7099347
57330	478689	7098701		57378	477590	7099345
57331	478682	7098679		57379	477542	7099295
57332	478687	7098823		57380	478487	7099895
57334	478680	7098834		57381	478485	7099889
57335	478677	7098837		57382	478485	7099889
57336	477670	7099226		57383	478487	7099888
57337	477670	7099226		57384	478487	7099881
57338	477669	7099230		57385	478520	7099883
57339	477670	7099228		57386	478521	7099878
57340	477669.5	7099229		57387	478524	7099873
57341	477669	7099230		57388	478534	7099875
57342	477672	7099232		57389	478534	7099875
57343	477674	7099232		57390	478485	7099833
57344	477673	7099229		57391	478503	7099839
57345	477672	7099235		57392	478503	7099839
57346	477670	7099235		57393	478503	7099839
57347	477668	7099236		57394	478512	7099838
57348	477677	7099248		57395	478513	7099835
57349	477689	7099249		57396	478513	7099835
57350	477690	7099250		57397	478526	7099825
57356	477693	7099251		57398	478530	7099820
57357	477692	7099254		57399	478540	7099805
57358	477691	7099254		57400	478540	7099805
57359	477692	7099254		329101	478552	7099802
57360	477669	7099326		329102	478552	7099791
57361	477670	7099331		329103	478557	7099783
57362	477659	7099343		329104	478554	7099811

Sample	Easting	Northing		Sample	Easting	Northing
329105	478558	7099823		329150	478494	7099919
329106	478560	7099815		329151	478497	7099931
329107	478562	7099818		329152	478502	7099930
329108	478572	7099809		329153	478538	7099927
329109	478564	7099822		329154	478548	7099905
329110	478564	7099822		329155	478556	7099904
329111	478570	7099836		329156	478559	7099908
329112	478582	7099842		329157	478567	7099907
329113	478578	7099844		329158	478873	7099914
329116	478581	7099854		329159	478852	7099931
329117	478581	7099856		329160	478588	7099914
329118	478582	7099868		329161	478588	7099913
329119	478599	7099852		329162	478584	7099906
329120	478599	7099852		329163	478568	7099919
329121	478616	7099811		329165	478027	7099614
329122	478610	7099809		329166	478063	7099518
329123	478606	7099814		329167	478109	7099564
329124	478604	7099807		329168	478109	7099564
329126	478588	7099764		329169	478110	7099562
329127	478581	7099961		329170	478217	7099439
329128	478628	7099990		329171	478212	7099422
329129	478664	7100000		329172	478568	7099747
329130	478834	7100347		329173	478565	7099751
329131	478842	7100343		329174	478569	7099747
329132	478848	7100342		329175	478580	7099736
329133	478818	7100298		329176	478574	7099724
329134	478821	7100287		329177	478583	7099713
329135	478821	7100288		329178	478599	7099728
329136	478814	7100271		329179	478602	7099725
329137	478810	7100271		329180	478620	7099698
329138	478808	7100263		329181	478629	7099678
329139	478699	7100272		329182	478632	7099641
329140	478602	7100104		329183	478643	7099639
329141	478602	7100105		329184	478645	7099637
329142	478592	7100103		329185	478550	7099526
329143	478602	7100098		329186	478826	7100144
329145	478604	7099999		329187	478830	7100155
329146	478494	7099908		329188	478798	7100142
329147	478494	7099917		329189	478811	7100119
329148	478494	7099917		329190	478811	7100119
329149	478494	7099917		329191	478778	7100113

Sample	Easting	Northing		Sample	Easting	Northing
329192	478778	7100112		329233	477528	7099490
329193	478753	7100039		329234	478652	7100624
329194	478752	7099981		329235	478714	7100733
329195	478743	7100009		329236	478716	7100719
329196	478719	7100008		329237	478691	7100897
329197	478741	7099735		329238	478588	7100101
329198	478775	7099641		329239	478586	7100973
329199	478755	7099616		329240	478571	7100907
329202	478637	7099805		329241	478576	7100907
329203	478643	7100025		329242	478574	7100888
329204	478741	7100083		329243	478551	7100885
329205	478719	7099999		329264	478658	7101216
329207	478683	7100030		329265	478658	7101216
329208	478719	7099906		329266	478658	7101216
329209	478627	7099911		329267	478658	7101216
329210	478614	7099941		329268	478691	7101173
329211	478635	7099943		329269	478690	7101172
329212	478622	7099974		329270	478471	7101155
329213	478302	7100315		329271	478778	7101151
329214	478307	7100299		329272	478762	7101147
329215	478310	7100287		329273	478762	7101146
329216	478448	7100372		329274	478763	7101140
329217	478437	7100379		329275	478761	7101140
329218	478429	7100383		329276	478756	7101135
329219	478378	7100508		329277	478747	7101125
329220	478488	7100237		329278	478762	7101125
329221	478484	7100243		329279	478753	7101122
329222	478487	7100242		329280	478765	7101092
329223	478457	7100351		329281	478765	7101093
329224	478503	7100453		329282	478796	7101098
329225	478493	7100471		329283	478792	7101086
329226	478503	7100491		329284	478793	7101083
329227	478573	7100569		329285	477352	7101526
329228	478528	7100621		329286	477348	7101542
329230	477776	7099573		329287	477349	7101661
329231	477747	7099409		329288	477343	7101665
329232	477512	7099464		329289	477346	7101696

Sample	Easting	Northing
329290	477334	7101777
329291	477350	7101849
329292	477357	7101986
329293	477352	7102089
329294	477365	7102287
329295	477365	7102287
329296	478433	7099399
329297	477931	7099486
329298	477942	7099492
329299	477942	7099492
329300	477946	7099493
329301	477946	7099493
329302	477946	7099494
329303	477946	7099494
329304	477517	7099500
329305	477517	7099500
329306	477943	7099505
329307	477943	7099514
329308	477956	7099582
329309	477956	7099582
329310	477955	7099634
329311	478772	7101171
329312	478755	7101191
329313	478758	7101198
329314	478753	7101216
329315	478747	7101216
329316	478747	7101217
329317	478733	7101222
329318	478705	7101221
329319	478701	7101224
329320	478666	7101272
329321	478545	7101275
329323	477841	7101028
329324	478292	7101708
329325	478261	7101747
329326	478769	7101869
329327	478755	7101771
329328	478747	7101759

APPENDIX 3: DRILL PAD LOCATIONS, DIP, AZIMUTH AND LENGTH

Drill hole	Easting	Northing	Azimuth	dip	length
MJ-01	477,920.00	7,099,185.00	335	65	188.06
MJ-02	477,920.00	7,099,185.00	180	65	244.45
MJ-03	478,439.00	7,098,719.00	335	65	237.75
MJ-04	478,439.00	7,098,719.00	285	45	148.13
MJ-05	478,610.00	7,099,908.00	333	50	209.39

APPENDIX 4: DRILL HOLE SAMPLES AND INVERVALS

Drill Hole	To	From	Lab #	Type		Drill Hole	To	From	Lab #	Type
MJ-01	0	3.5	W422751			MJ-01			W422790	std SE86
	3.5	4.88	W422752				46	47	W422791	
	4.88	6.1	W422753				47	47.66	W422792	
	6.1	7.6	W422754				47.66	48.3	W422793	
	7.6	9.1	W422755				48.3	49.8	W422794	
			W422756	blank			49.8	51.3	W422795	
	9.1	10.6	W422757						W422796	blank
	10.6	12.1	W422758				51.3	52.33	W422797	
	12.1	13.67	W422759				52.33	53.51	W422798	
	13.67	14.87	W422760				53.51	55.01	W422799	
	14.87	16.37	W422761				55.01	56.11	W422800	
	14.87	16.37	W422762	field dup			56.11	57.61	W422801	
	16.37	17.6	W422763				57.61	59.11	W422802	
	17.6	19.02	W422764				59.11	60.61	W422803	
	19.02	20.12	W422765				60.61	61.42	W422804	
	20.12	21.12	W422766				61.42	62.92	W422805	
	21.12	22.53	W422767				62.92	64.42	W422806	
	22.53	24.03	W422768				64.42	65.89	W422807	
	22.53	24.03	W422769	prep dup			65.89	66.94	W422808	
	24.03	25.06	W422770				66.94	68.15	W422809	
	25.06	26.09	W422771						W422810	std SG84
	26.09	26.55	W422772				68.15	69.51	W422811	
	26.55	27.85	W422773				69.51	70.51	W422812	
	27.85	29.26	W422774				70.51	71.51	W422813	
	29.26	29.61	W422775				71.51	73.01	W422814	
	29.61	30.61	W422776				73.01	74.51	W422815	
	30.61	31.49	W422777						W422816	blank
	31.49	32.99	W422778				74.51	75.51	W422817	
	32.99	34.3	W422779				75.51	76.58	W422818	
	34.3	34.78	W422780				76.58	76.8	W422819	
	34.78	36.28	W422781				76.8	78.2	W422820	
	36.28	37.28	W422782				78.2	79.64	W422821	
	37.28	38.68	W422783						W422822	field dup
	38.68	40.23	W422784				79.64	81.14	W422823	
	40.23	41.45	W422785				81.14	82.64	W422824	
	41.45	42.45	W422786				82.64	84.14	W422825	
	42.45	43.2	W422787				84.14	85.14	W422826	
	43.2	45.5	W422788				85.14	86.6	W422827	
	45.5	46	W422789				86.6	88.1	W422828	

Drill Hole	To	From	Lab #	Type		Drill Hole	To	From	Lab #	Type
MJ-01			W422829	prep dup		MJ-01	131.32	132.6	W422867	
	88.1	89.6	W422830				132.6	134.1	W422868	
	89.6	90.71	W422831						W422869	prep dup
	90.71	92.21	W422832				134.1	135.6	W422870	
	92.21	93.03	W422833				135.6	137.1	W422871	
	93.03	94.1	W422834				137.1	138.02	W422872	
	94.1	95.6	W422835				138.02	139.52	W422873	
	95.6	97.1	W422836				139.52	141.02	W422874	
	97.1	98.6	W422837				141.02	142.52	W422875	
	98.6	100.1	W422838				142.52	144.02	W422876	
	100.1	101.6	W422839				144.02	145.52	W422877	
	101.6	103.1	W422840				145.52	146.54	W422878	
	103.1	104.6	W422841				146.54	147.54	W422879	
	104.6	105.9	W422842				147.54	148.39	W422880	
	105.86	106.4	W422843				148.39	149.89	W422881	
	106.41	107.9	W422844				149.89	151.39	W422882	
	107.91	108.9	W422845				151.39	152.89	W422883	
	108.91	109.9	W422846				152.89	154.39	W422884	
	109.93	111.4	W422847				154.39	155.89	W422885	
	111.41	112.6	W422848				155.89	157.39	W422886	
	112.64	114.1	W422849				157.39	158.89	W422887	
			W422850	std SE86			158.89	159.89	W422888	
	114.14	115.5	W422851				159.89	160.95	W422889	
	115.53	116.5	W422852						W422890	std SE86
	116.53	117.5	W422853				160.95	162.45	W422891	
	117.51	119.1	W422854				162.45	163.95	W422892	
	119.09	120.1	W422855				163.95	165.11	W422893	
			W422856	blank			165.11	166.61	W422894	
	120.09	120.9	W422857				166.61	168.11	W422895	
	120.87	122.4	W422858						W422896	blank
	122.37	123.9	W422859				168.11	169.61	W422897	
	123.87	125.4	W422860				169.61	171.11	W422898	
	125.37	126.9	W422861				171.11	172.61	W422899	
			W422862	field dup			172.61	174.11	W422900	
	126.87	127.3	W422863				174.11	175.61	W422901	
	127.32	128.8	W422864				175.61	177.11	W422902	
	128.82	130.3	W422865				177.11	178.61	W422903	
	130.32	131.3	W422866				178.61	179.96	W422904	

Drill Hole	To	From	Lab #	Type		Drill Hole	To	From	Lab #	Type
MJ-01	179.96	181.5	W422905			MJ-02	47.24	48.74	W422946	
	181.46	183	W422906				48.74	50.24	W422947	
	182.96	184.5	W422907				50.24	51.74	W422948	
	184.46	186	W422908				51.74	52.64	W422949	
	185.96	187.5	W422909						W422950	stdSG84
			W422910	stdSG84			52.64	53.56	W422951	
	187.46	188.1	W422911				53.56	55.06	W422952	
MJ-02	0	3	W422912				55.06	56.56	W422953	
	3	4.5	W422913				56.56	58.06	W422954	
	4.5	6	W422914				58.06	59.56	W422955	
	6	7.5	W422915						W422956	blank
			W422916	blank			59.56	60.56	W422957	
	7.5	9	W422917				60.56	61.63	W422958	
	9	10.5	W422918				61.63	62.48	W422959	
	10.5	12	W422919				62.48	63.98	W422960	
	12	13.5	W422920				63.98	65.48	W422961	
	13.5	15	W422921						W422962	field dup
			W422922	field dup			65.48	66.98	W422963	
	15	16.5	W422923				66.98	68.48	W422964	
	16.5	18.01	W422924				68.48	69.98	W422965	
	18.01	19.65	W422925				69.98	71.48	W422966	
	19.65	21.15	W422926				71.48	72.98	W422967	
	21.15	22.65	W422927				72.98	73.98	W422968	
	22.65	24.15	W422928						W422969	prep dup
			W422929	prep dup			73.98	74.85	W422970	
	24.15	25.65	W422930				74.85	76.35	W422971	
	25.65	27.15	W422931				76.35	77.85	W422972	
	27.15	28.55	W422932				77.85	79.35	W422973	
	28.55	30.05	W422933				79.35	80.85	W422974	
	30.05	31.55	W422934				80.85	81.85	W422975	
	31.55	33.05	W422935				81.85	82.91	W422976	
	33.05	34.55	W422936				82.91	84.41	W422977	
	34.55	36.05	W422937				84.41	85.6	W422978	
	36.05	37.55	W422938				85.6	87.1	W422979	
	37.55	38.71	W422939				87.1	88.6	W422980	
	38.71	40.21	W422940				88.6	89.22	W422981	
	40.21	41.71	W422941				89.22	90.04	W422982	
	41.71	43.21	W422942				90.04	91.54	W422983	
	43.21	44.71	W422943				91.54	93.04	W422984	
	44.71	46.21	W422944				93.04	94.04	W422985	
	46.21	47.24	W422945				94.04	95.08	W422986	

Drill Hole	To	From	Lab #	Type		Drill Hole	To	From	Lab #	Type
MJ-02	95.08	96.01	W422987			MJ-02	137.26	138.1	W423027	
	96.01	97.51	W422988				138.1	139.6	W423028	
	97.51	99.01	W422989						W423029	prep dup
			W422990	stdSG84			139.6	141.1	W423030	
	99.01	100.5	W422991				141.1	142.6	W423031	
	100.51	102	W422992				142.6	144.1	W423032	
	102.01	103.5	W422993				144.1	145.6	W423033	
	103.51	105	W422994				145.6	147.1	W423034	
	105.01	106	W422995				147.1	148.6	W423035	
			W422996	blank			148.6	150.1	W423036	
	106.01	106.9	W422997				150.1	151.1	W423037	
	106.87	107.9	W422998				151.1	152.06	W423038	
	107.87	108.7	W422999				152.06	153.56	W423039	
	108.68	109.8	W423000				153.56	155.06	W423040	
	109.83	111.3	W423001				155.06	156.56	W423041	
	111.33	112.8	W423002				156.56	157.26	W423042	
	112.83	114.3	W423003				157.26	158.76	W423043	
	114.33	115.3	W423004				158.76	160.26	W423044	
	115.33	116.5	W423005				160.26	161.76	W423045	
	116.49	117.5	W423006				161.76	163.26	W423046	
	117.49	118.3	W423007				163.26	164.76	W423047	
	118.26	118.8	W423008				164.76	165.76	W423048	
	118.82	119.8	W423009				165.76	166.95	W423049	
			W423010	std SF85					W423050	std SE86
	119.82	120.8	W423011				166.95	168.4	W423051	
	120.77	121.8	W423012				168.4	169.9	W423052	
	121.77	122.8	W423013				169.9	171.4	W423053	
	122.77	123.8	W423014				171.4	172.9	W423054	
	123.77	124.9	W423015				172.9	174.4	W423055	
			W423016	blank					W423056	blank
	124.85	126	W423017				174.4	175.9	W423057	
	125.98	126.8	W423018				175.9	177.4	W423058	
	126.76	128.3	W423019				177.4	178.9	W423059	
	128.26	129.8	W423020				178.9	180.4	W423060	
	129.76	131.3	W423021				180.4	181.9	W423061	
			W423022	field dup					W423062	field dup
	131.26	132.8	W423023				181.9	182.84	W423093	
	132.76	134.3	W423024				182.84	184.34	W423094	
	134.26	135.8	W423025				184.34	185.84	W423095	
	135.76	137.3	W423026				185.84	187.34	W423096	

Drill Hole	To	From	Lab #	Type		Drill Hole	To	From	Lab #	Type
MJ-02	187.34	188.8	W423097			MJ-02	240.19	241.19	Not assayed	
	188.84	190.3	W423098				241.19	241.87	Not assayed	
			W423099	prep dup					Not assayed	std SE86
	190.34	191.8	W423100				241.87	243.37	Not assayed	
	191.84	193.3	W423101				243.37	244.45	Not assayed	
	193.34	194.8	W423102			MJ-03	0	1.5	W423113	
	194.84	196	W423103				1.5	2.87	W423114	
	196.04	197.5	W423104				2.87	4.37	W423115	
	197.54	199	W423105						W423116	blank
	199.04	200.5	W423106				4.37	5.87	W423117	
	200.54	202	W423107				5.87	7.37	W423118	
	202.04	203.5	W423108				7.37	8.87	W423119	
	203.54	205	W423109				8.87	9.87	W423120	
	205.04	206.5	W423110				9.87	10.71	W423121	
	206.54	208	W423111				9.87	10.71	W423122	
	208.04	209.4	W423112				10.71	11.23	W423123	
	209.35	210.9	Not assayed				11.23	12.73	W423124	
	210.85	212.4	Not assayed				12.73	14.23	W423125	
	212.35	213.9	Not assayed				14.23	15.73	W423126	
	213.85	215.4	Not assayed				15.73	17.04	W423127	
	215.35	216.9	Not assayed				17.04	18.04	W423128	
	216.85	218.4	Not assayed						W423129	prep dup
	218.35	219.9	Not assayed				18.04	19.04	W423130	
			Not assayed	std SE86			19.04	20.32	W423131	
	219.85	220.9	Not assayed				20.32	21.82	W423132	
	220.85	221.6	Not assayed				21.82	22.82	W423133	
	221.59	223	Not assayed				22.82	23.97	W423134	
	222.96	224.4	Not assayed				23.97	25.47	W423135	
	224.44	225.9	Not assayed				25.47	26.97	W423136	
			Not assayed	blank			26.97	28.47	W423137	
	225.94	226.9	Not assayed				28.47	29.02	W423138	
	226.94	227.7	Not assayed				29.02	29.4	W423139	
	227.73	229.2	Not assayed				29.4	30.9	W423140	
	229.23	230.7	Not assayed				30.9	32.4	W423141	
	230.73	232.2	Not assayed				32.4	33.4	W423142	
	232.19	233.2	Not assayed				33.4	34.18	W423143	
	233.19	234.2	Not assayed				34.18	34.71	W423144	
	234.15	235.7	Not assayed				34.71	36.23	W423145	
	235.69	237.2	Not assayed				36.23	37.73	W423146	
	237.19	238.7	Not assayed				37.73	38.93	W423147	
	238.69	240.2	Not assayed				38.93	39.88	W423148	

`Drill Hole	To	From	Lab #	Type		Drill Hole	To	From	Lab #	Type
MJ-03	38.93	39.88	W423148			MJ-03	78.61	79.61	W423188	
	39.88	41.38	W423149				79.61	80.8	W423189	
			W423150	std SG84					W423190	STD SE86
	41.38	42.88	W423151				80.8	81.48	W423191	
	42.88	44.38	W423152				81.48	82.98	W423192	
	44.38	45.31	W423153				82.98	84.48	W423193	
	45.31	46.31	W423154				84.48	85.97	W423194	
	46.31	47.14	W423155				85.97	86.84	W423195	
			W423156	blank					W423196	blank
	47.14	48.14	W423157				86.84	88.29	W423197	
	48.14	49.06	W423158				88.29	88.74	W423198	
	49.06	49.6	W423159				88.74	90.24	W423199	
	49.6	50.6	W423160				90.24	91.71	W423200	
	50.6	51.56	W423161				91.71	92.33	W423201	
	50.6	51.56	W423162				92.33	92.66	W423202	
	51.56	52.56	W423163				92.66	94.13	W423203	
	52.56	53.24	W423164				94.13	94.67	W423204	
	53.24	54.24	W423165				94.67	96.03	W423205	
	54.24	55.08	W423166				96.03	96.82	W423206	
	55.08	56.54	W423167				96.82	98.32	W423207	
	56.54	57.54	W423168				98.32	99.32	W423208	
			W423169	prep dup			99.32	100.32	W423209	
	57.54	58.89	W423170						W423210	std SF85
	58.89	59.33	W423171				100.32	101.23	W423211	
	59.33	60.83	W423172				101.23	101.81	W423212	
	60.83	62.33	W423173				101.81	103.31	W423213	
	62.33	63.29	W423174				103.31	104.86	W423214	
	63.29	63.73	W423175				104.86	105.91	W423215	
	63.73	65.21	W423176						W423216	blank
	65.21	65.67	W423177				105.91	106.75	W423217	
	65.67	67.17	W423178				106.75	107.49	W423218	
	67.17	68.67	W423179				107.49	108.51	W423219	
	68.67	70.17	W423180				108.51	109.04	W423220	
	70.17	71.43	W423181				109.04	109.59	W423221	
	71.43	72.93	W423182						W423222	field dup
	72.93	74.43	W423183				109.59	110.35	W423223	
	74.43	75.68	W423184				110.35	111.56	W423224	
	75.68	77.18	W423185				111.56	112.26	W423225	
	77.18	78.25	W423186				112.26	112.93	W423226	
	78.25	78.61	W423187				112.93	113.62	W423227	

Drill Hole	To	From	Lab #	Type		Drill Hole	To	From	Lab #	Type
MJ-03	113.62	114.5	W423228			MJ-03			W423269	prep dup
	113.62		W423229	prep dup			154.08	155.3	W423270	
	114.46	115.6	W423230				155.3	156.31	W423271	
	115.56	117.1	W423231				156.31	157.84	W423272	
	117.13	118.6	W423232				157.84	159.3	W423273	
	118.56	119.3	W423233				159.3	160.61	W423274	
	119.26	120.2	W423234				160.61	161.14	W423275	
	120.22	121	W423235				161.14	162.24	W423276	
	121	121.5	W423236				162.24	163.37	W423277	
	121.52	123	W423237				163.37	164.87	W423278	
	123.02	124.5	W423238				164.87	165.73	W423279	
	124.52	125.6	W423239				165.73	167.25	W423280	
	125.59	126.5	W423240				167.25	167.9	W423281	
	126.46	127.5	W423241				167.9	169.46	W423282	
	127.49	129.1	W423242				169.46	170.86	W423283	
	129.05	129.6	W423243				170.86	171.36	W423284	
	129.56	130.5	W423244				171.36	172.86	W423285	
	130.53	131.8	W423245				172.86	173.46	W423286	
	131.81	133	W423246				173.46	174.58	W423287	
	133	133.7	W423247				174.58	175.17	W423288	
	133.68	134.6	W423248				175.17	176.03	W423289	
	134.63	135.8	W423249						W423290	std SE86
			W423250	stf SF86			176.03	177.71	W423291	
	135.79	136.6	W423251				177.71	179.19	W423292	
	136.55	137.5	W423252				179.19	180.33	W423293	
	137.46	139	W423253				180.33	180.83	W423294	
	138.99	140.2	W423254				180.83	182.07	W423295	
	140.2	141.2	W423255						W423296	blank
			W423256	blank			182.07	182.57	W423297	
	141.18	142	W423257				182.57	184.1	W423298	
	142.04	143	W423258				184.1	185.6	W423299	
	143.02	145.3	W423259				185.6	187.1	W423300	
	145.32	146.9	W423260				187.1	188.4	W423301	
	146.86	147.8	W423261				188.4	189.3	W423302	
			W423262	field dup			189.3	190.8	W423303	
	147.76	148.6	W423263				190.8	191.45	W423304	
	148.62	149.7	W423264				191.45	192.95	W423305	
	149.66	150.4	W423265				192.95	194.45	W423306	
	150.39	151.8	W423266				194.45	195.48	W423307	
	151.82	152.6	W423267				195.48	196.9	W423308	
	152.58	154.1	W423268				196.9	198.4	W423309	

Drill Hole	To	From	Lab #	Type		Drill Hole	To	From	Lab #	Type
MJ-03			W423310	std		MJ-03	238.25	239.6	W423351	
	198.4	199.3	W423311			MJ-04	3	5.46	W423352	
	199.28	199.8	W423312				5.46	7.92	W423353	
	199.78	200.2	W423313				7.92	8.57	W423354	
	200.19	201.7	W423314				8.57	10.16	W423355	
	201.69	203.2	W423315						W423356	blank
			W423316	blank			10.16	11.16	W423357	
	203.19	203.6	W423317				11.16	12	W423358	
	203.64	204.1	W423318				12	12.8	W423359	
	204.14	205.3	W423319				12.8	13.69	W423360	
	205.34	206.4	W423320				13.69	14.54	W423361	
	206.4	207.7	W423321						W423362	field dup
			W423322	field dup			14.54	15.12	W423363	
	207.73	208.3	W423323				15.12	15.84	W423364	
	208.3	209.1	W423324				15.84	16.64	W423365	
	209.08	209.9	W423325				16.64	17.72	W423366	
	209.92	211.4	W423326				17.72	18.72	W423367	
	211.42	212.9	W423327				18.72	19.39	W423368	
	212.86	213.7	W423328						W423369	prep dup
			W423329	Prep dup			19.39	20.12	W423370	
	213.67	214.3	W423330				20.12	20.8	W423371	
	214.27	215.2	W423331				20.8	21.68	W423372	
	215.2	216.7	W423332				21.68	23.15	W423373	
	216.68	217.4	W423333				23.15	24.05	W423374	
	217.43	218.9	W423334				24.05	24.95	W423375	
	218.93	220.4	W423335				24.95	25.72	W423376	
	220.43	221.9	W423336				25.72	26.88	W423377	
	221.93	223.4	W423337				26.88	27.6	W423378	
	223.43	224.9	W423338				27.6	28.2	W423379	
	224.93	226.4	W423339				28.2	29.63	W423380	
	226.43	227.9	W423340				29.63	30.53	W423381	
	227.93	229.4	W423341				30.53	31.48	W423382	
	229.43	230.9	W423342				31.48	32.02	W423383	
	230.93	232.4	W423343				32.02	32.89	W423384	
	232.43	233.9	W423344				32.89	33.59	W423385	
	233.93	235.4	W423345				33.59	34.56	W423386	
	235.43	236.5	W423346				34.56	35.45	W423387	
	236.45	237.1	W423347				35.45	36.21	W423388	
	237.05	237.8	W423348				36.21	36.98	W423389	
	237.75	238.3	W423349						W423390	std SE86
			W423350	std			36.98	37.53	W423391	

Drill Hole	To	From	Lab #	Type		Drill Hole	To	From	Lab #	Type
MJ-04	37.53	38.26	W423392			MJ-04	70.96	71.93	W423432	
	38.26	39.65	W423393				71.93	72.99	W423433	
	39.65	41.15	W423394				72.99	74.03	W423434	
	41.15	42.65	W423395				74.03	74.9	W423435	
			W423396	blank			74.9	75.46	W423436	
	42.65	43.83	W423397				75.46	76.69	W423437	
	43.83	44.45	W423398				76.69	77.7	W423438	
	44.45	45.34	W423399				77.7	78.9	W423439	
	45.34	46.18	W423400				78.9	79.7	W423440	
	46.18	46.95	W423401				79.7	80.88	W423441	
	46.95	47.55	W423402				80.88	81.82	W423442	
	47.55	49.05	W423403				81.82	82.4	W423443	
	49.05	49.8	W423404				82.4	83.67	W423444	
	49.8	51.3	W423405				83.67	84.4	W423445	
	51.3	51.97	W423406				84.4	85.93	W423446	
	51.97	52.48	W423407				85.93	87.37	W423447	
	52.48	53.13	W423408				87.37	88.37	W423448	
	53.13	55.14	W423409				88.37	90.1	W423449	
			W423410	std SE86					W423450	std sg84
	55.14	56.62	W423411				90.1	91.67	W423451	
	56.62	57.36	W423412				91.67	92.73	W423452	
	57.36	58.08	W423413				92.73	94.23	W423453	
	58.08	59.22	W423414				94.23	95.73	W423454	
	59.22	59.88	W423415				95.73	96.97	W423455	
			W423416	blank					W423456	blank
	59.88	60.45	W423417				96.97	97.67	W423457	
	60.45	61.37	W423418				97.67	98.8	W423458	
	61.37	62.09	W423419				98.8	99.36	W423459	
	62.09	62.79	W423420				99.36	100.86	W423460	
	62.79	63.53	W423421				100.86	102.36	W423461	
			W423422	field dup					W423462	field dup
	63.53	64.55	W423423				102.36	103.86	W423463	
	64.55	65.84	W423424				103.86	104.5	W423464	
	65.84	66.52	W423425				104.5	106	W423465	
	66.52	67.8	W423426				106	107.5	W423466	
	67.8	68.86	W423427				107.5	109	W423467	
	68.86	69.4	W423428				109	110.5	W423468	
			W423429	Prep dup					W423469	prep dup
	69.4	70.36	W423430				110.5	112	W423470	
	70.36	70.96	W423431				112	112.9	W423471	

Drill Hole	To	From	Lab #	Type		Drill Hole	To	From	Lab #	Type
MJ-04	112.9	113.6	W423472	MJ-05			5.89	6.95	W423512	
	113.6	114.2	W423473				6.95	7.66	W423513	
	114.18	114.9	W423474				7.66	8.91	W423514	
	114.9	115.7	W423475				8.91	9.62	W423515	
	115.73	117.2	W423476						W423516	blank
	117.23	118.7	W423477				9.62	10.48	W423517	
	118.7	120.2	W423478				10.48	11.95	W423518	
	120.2	121.7	W423479				11.95	12.79	W423519	
	121.7	122.2	W423480				12.79	13.6	W423520	
	122.22	122.8	W423481				13.6	14.47	W423521	
	122.75	124.3	W423482						W423522	field dup
	124.25	125.6	W423483				14.47	15.97	W423523	
	125.6	126.4	W423484				15.97	17.27	W423524	
	126.4	127.6	W423485				17.27	17.73	W423525	
	127.55	128.7	W423486				17.73	18.7	W423526	
	128.74	130.2	W423487				18.7	19.9	W423527	
	130.24	131.6	W423488				19.9	20.78	W423528	
	131.64	132.2	W423489						W423529	prep dup
			W423490	std sg84			20.78	22.28	W423530	
	132.21	133	W423491				22.28	23.78	W423531	
	132.99	134.5	W423492				23.78	24.78	W423532	
	134.49	135.2	W423493				24.78	25.91	W423533	
	135.22	136	W423494				25.91	26.41	W423534	
	135.99	136.6	W423495				26.41	27.91	W423535	
			W423496	blank			27.91	28.56	W423536	
	136.61	138.1	W423497				28.56	29.21	W423537	
	138.11	139.6	W423498				29.21	30.24	W423538	
	139.61	140.6	W423499				30.24	31.31	W423539	
	140.61	141.4	W423500				31.31	32.29	W423540	
	141.44	142.5	W423501				32.29	33.7	W423541	
	142.5	143.6	W423502				33.7	35.05	W423542	
	143.58	144.2	W423503				35.05	36.4	W423543	
	144.18	145.1	W423504				36.4	36.56	W423544	
	145.08	146.6	W423505				36.56	37.89	W423545	
	146.58	148.1	W423506				37.89	39.39	W423546	
MJ-05	2.94	4.14	W423507				39.39	40.22	W423547	
	4.14	4.84	W423508				40.22	40.72	W423548	
	4.84	5.39	W423509				40.72	42.12	W423549	
			W423510	std sg84					W423550	stfd SE86
	5.39	5.89	W423511				42.12	43.62	W423551	

Drill Hole	To	From	Lab #	Type		Drill Hole	To	From	Lab #	Type
MJ-05	43.62	44.81	W423552			MJ-05	78.77	80.27	W423591	
	44.81	46.04	W423553				80.27	81.77	W423592	
	46.04	47.54	W423554				81.77	83.27	W423593	
	47.54	49.04	W423555				83.27	83.57	W423594	
			W423556	blank			83.57	84.43	W423595	
	49.04	49.83	W423557						W423596	blank
	49.83	50.75	W423558				84.43	84.95	W423597	
	50.75	51.49	W423559				84.95	86.09	W423598	
	51.49	52.8	W423560				86.09	86.99	W423599	
	52.8	53.5	W423561				86.99	88.02	W423600	
			W423562	field dup			88.02	89.52	W423601	
	53.5	54.08	W423563				89.52	90.29	W423602	
	54.08	55.09	W423564				90.29	91.69	W423603	
	55.09	56.11	W423565				91.69	92.6	W423604	
	56.11	56.87	W423566				92.6	93.15	W423605	
	56.87	57.89	W423567				93.15	94.09	W423606	
	57.89	58.4	W423568				94.09	94.84	W423607	
			W423569	prep dup			94.84	95.51	W423608	
	58.4	59.4	W423570				95.51	97.01	W423609	
	59.4	60.05	W423571						W423610	std SE86
	60.05	60.67	W423572				97.01	97.51	W423611	
	60.67	61.54	W423573				97.51	98.68	W423612	
	61.54	62.56	W423574				98.68	99.44	W423613	
	62.56	63.11	W423575				99.44	100.29	W423614	
	63.11	63.92	W423576				100.29	100.98	W423615	
	63.92	64.84	W423577						W423616	blank
	64.84	65.67	W423578				100.98	101.86	W423617	
	65.67	66.4	W423579				101.86	103.12	W423618	
	66.4	67.9	W423580				103.12	104.62	W423619	
	67.9	69.49	W423581				104.62	106.12	W423620	
	69.49	69.95	W423582				106.12	107.62	W423621	
	69.95	71.45	W423583						W423622	field dup
	71.45	72.24	W423584				107.62	109.12	W423623	
	72.24	73.59	W423585				109.12	109.64	W423624	
	73.59	75.09	W423586				109.64	110.41	W423625	
	75.09	76.59	W423587				110.41	111.91	W423626	
	76.59	78.09	W423588				111.91	113.41	W423627	
	78.09	78.77	W423589				113.41	114.91	W423628	
			W423590	std SG84					W423629	prep dup

Drill Hole	To	From	Lab #	Type		Drill Hole	To	From	Lab #	Type
MJ-05	114.91	116.4	W423630			MJ-05	159.15	160.63	W423670	
	116.41	117.9	W423631				160.63	161.36	W423671	
	117.91	118.8	W423632				161.36	162.86	W423672	
	118.81	120.3	W423633				162.86	163.99	W423673	
	120.31	121.8	W423634				163.99	165.07	W423674	
	121.81	123.3	W423635				165.07	166.57	W423675	
	123.31	124.8	W423636				166.57	168.07	W423676	
	124.81	126.3	W423637				168.07	169.57	W423677	
	126.31	127.8	W423638				169.57	170.69	W423678	
	127.81	128.4	W423639				170.69	172.19	W423679	
	128.37	129.9	W423640				172.19	173.69	W423680	
	129.87	131.4	W423641				173.69	175.19	W423681	
	131.37	132.9	W423642				175.19	176.69	W423682	
	132.87	134.4	W423643				176.69	178.19	W423683	
	134.37	135.9	W423644				178.19	179.44	W423684	
	135.87	136.7	W423645				179.44	180.56	W423685	
	136.66	137.3	W423646				180.56	181.26	W423686	
	137.33	138.7	W423647				181.26	181.97	W423687	
	138.73	139.6	W423648				181.97	183.45	W423688	
	139.64	140.2	W423649				183.45	184.75	W423689	
			W423650	std SF85					W423690	std SG84
	140.24	140.9	W423651				184.75	186.25	W423691	
	140.91	142.4	W423652				186.25	186.97	W423692	
	142.41	143.9	W423653				186.97	187.86	W423693	
	143.91	145.1	W423654				187.86	189.36	W423694	
	145.06	146	W423655				189.36	189.9	W423695	
			W423656	blank					W423696	blank
	145.98	146.6	W423657				189.9	190.84	W423697	
	146.64	147.5	W423658				190.84	191.87	W423698	
	147.47	149	W423659				191.87	193.37	W423699	
	148.98	150.5	W423660				193.37	194.87	W423700	
	150.48	152	W423661				194.87	196.37	W423701	
			W423662	field dup			196.37	197.87	W423702	
	151.98	153	W423663				197.87	199.37	W423703	
	152.98	154.3	W423664				199.37	200.87	W423704	
	154.33	155.8	W423665				200.87	202.37	W423705	
	155.83	157.3	W423666				202.37	203.75	W423706	
	157.33	158.5	W423667				203.75	205.1	W423707	
	158.5	159.2	W423668				205.1	205.81	W423708	
			W423669	prep dup			205.81	206.8	W423709	

Drill Hole	To	From	Lab #	Type
MJ-05			W423710	std SG84
	206.8	207.6	W423711	
	207.59	208.2	W423712	
	208.2	209.4	W423713	

Notes:

Std SG84, SF85, SE86 are international standards.

Prep dup are preparation duplicates.

Field Dups is a field duplicate composed of the core split from the previous sample.

Blanks are inserted limestone samples.

Appendix 5: Expenses

Service	Consultants	Cost
Assaying	ALS Canada Ltd.	$ 72,515.33
Geologist/Prospectors	William Koe-Carson, Jarvis Carson, Apex Geoscience	$ 62,700.00
Dilling	TKD Consulting	$ 222,974.65
Food	Food	$ 6,883.82
Lodging	Whitehorse Hotels	$ 7,580.11
Transportation	Fireweed, Trans North, Smalls Expediting, truck rental, True North Communication	$ 195,426.14
	TOTAL	$ 568,080.05

Appendix 6: Assays Data Sheets

ALS Canada Ltd.

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

To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 28-MAY-2017
Account: ZONMET

CERTIFICATE WH17094692

Project: McConnells Jest

This report is for 53 Rock samples submitted to our lab in Whitehorse, YT, Canada on 15-MAY-2017.

The following have access to data associated with this certificate:

TERRY CHRISTOPHER		

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

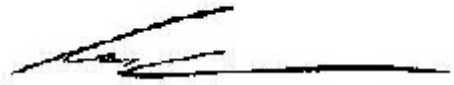
ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA25	Ore Grade Au 30g FA AA finish	AAS

To: **ZONTE METALS**
ATTN: TERRY CHRISTOPHER
SUITE 279 - 103 - 27 LACEWOOD DRIVE
HALIFAX NS B3M 3Y7

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

To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

CERTIFICATE WH17178041

Project: McConnells Jest

This report is for 248 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 18-AUG-2017.

The following have access to data associated with this certificate:

TERRY CHRISTOPHER		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-32d	Pulverize Split -Dup 85% <75um
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate

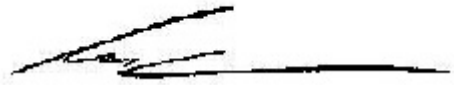
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP22	Au 50g FA ICP-AES finish	ICP-AES
ME-ICP41a	High Grade Aqua Regia ICP-AES	ICP-AES

To: **ZONTE METALS**
ATTN: TERRY CHRISTOPHER
SUITE 279 - 103 - 27 LACEWOOD DRIVE
HALIFAX NS B3M 3Y7

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

To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178041

Sample Description	Method	WEI-21	Au-ICP22	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.001	1	0.05	10	50	5	10	0.05	5	5	5	5	0.05	50
W422835		6.71	0.004	<1	1.22	<10	290	<5	<10	0.92	<5	<5	10	6	2.34	<50
W422836		6.43	<0.001	1	1.47	<10	340	<5	<10	0.64	<5	<5	11	<5	2.29	<50
W422837		5.98	0.001	<1	1.22	<10	280	<5	<10	0.66	<5	5	10	<5	2.13	<50
W422838		6.05	0.003	<1	1.33	<10	330	<5	<10	0.78	<5	<5	8	<5	2.19	<50
W422839		5.77	<0.001	<1	1.33	<10	310	<5	<10	0.62	<5	5	11	7	2.16	<50
W422840		6.49	0.001	<1	1.43	<10	310	<5	<10	0.63	<5	<5	11	7	2.25	<50
W422841		5.98	0.001	<1	1.45	<10	320	<5	<10	0.68	<5	<5	11	<5	2.44	<50
W422842		5.23	<0.001	1	1.12	<10	230	<5	<10	0.66	<5	5	12	10	2.23	<50
W422843		2.01	0.024	<1	0.48	20	130	<5	<10	2.27	<5	<5	<5	16	1.41	<50
W422844		6.43	<0.001	<1	1.18	<10	240	<5	<10	0.57	<5	<5	10	6	2.23	<50
W422845		4.62	<0.001	<1	0.89	<10	170	<5	<10	0.66	<5	<5	8	11	2.07	<50
W422846		4.19	0.001	<1	1.01	<10	210	<5	<10	0.99	<5	5	8	7	2.22	<50
W422847		4.56	0.003	<1	0.53	50	150	<5	<10	3.14	<5	<5	<5	16	1.36	<50
W422848		6.11	0.001	<1	1.01	<10	200	<5	<10	0.73	<5	<5	10	9	2.18	<50
W422849		5.87	0.001	<1	1.05	10	210	<5	<10	0.66	<5	<5	8	<5	2.11	<50
W422850		0.10	0.581	1	1.57	80	60	<5	<10	0.81	<5	22	49	63	5.06	<50
W422851		5.48	<0.001	<1	1.17	<10	270	<5	<10	0.68	<5	<5	10	6	2.13	<50
W422852		4.71	0.375	1	0.62	30	200	<5	<10	2.30	<5	<5	<5	10	1.97	<50
W422853		3.77	0.021	<1	0.80	110	250	<5	<10	1.90	<5	<5	5	8	1.86	<50
W422854		3.67	0.001	1	0.81	10	160	<5	<10	1.35	<5	<5	<5	19	2.09	<50
W422855		4.02	<0.001	<1	1.12	<10	270	<5	10	0.73	<5	<5	10	9	2.09	<50
W422856		0.10	<0.001	<1	<0.05	<10	<50	<5	<10	38.9	<5	<5	<5	<5	<0.05	<50
W422857		2.81	<0.001	<1	0.88	<10	220	<5	<10	0.40	<5	<5	8	11	1.67	<50
W422858		7.66	<0.001	<1	1.27	10	330	<5	<10	0.73	<5	<5	9	<5	2.28	<50
W422859		5.70	<0.001	<1	1.00	<10	210	<5	<10	1.10	<5	<5	8	11	2.00	<50
W422860		6.50	<0.001	<1	1.16	<10	260	<5	<10	0.75	<5	<5	8	13	2.12	<50
W422861		5.52	<0.001	<1	1.26	<10	310	<5	<10	0.55	<5	<5	8	<5	2.09	<50
W422862		5.79	<0.001	<1	1.34	<10	320	<5	<10	0.58	<5	<5	11	<5	2.25	<50
W422863		1.60	<0.001	<1	1.06	<10	250	<5	<10	0.67	<5	<5	7	5	2.04	<50
W422864		7.19	0.003	<1	0.74	<10	200	<5	<10	2.13	<5	<5	<5	19	1.67	<50
W422865		5.30	<0.001	<1	1.03	<10	190	<5	<10	0.93	<5	5	7	6	1.86	<50
W422866		4.53	0.019	<1	0.83	60	200	<5	<10	1.95	<5	<5	5	12	1.69	<50
W422867		4.12	<0.001	<1	1.13	<10	220	<5	<10	0.74	<5	5	7	<5	2.14	<50
W422868		5.60	<0.001	<1	1.05	<10	210	<5	<10	0.63	<5	<5	8	<5	1.87	<50
W422869		<0.02	<0.001	<1	0.91	10	190	<5	<10	0.60	<5	<5	6	<5	1.61	<50
W422870		6.63	<0.001	<1	1.30	<10	290	<5	<10	0.54	<5	<5	10	<5	2.24	<50
W422871		4.97	<0.001	<1	1.06	<10	240	<5	<10	0.46	<5	6	6	5	1.86	<50
W422872		3.96	0.001	<1	1.02	<10	230	<5	10	0.51	<5	<5	8	<5	1.89	<50
W422873		6.24	<0.001	<1	1.01	<10	210	<5	<10	0.67	<5	5	7	8	1.97	<50
W422874		4.45	0.002	<1	1.15	<10	260	<5	<10	0.71	<5	<5	9	<5	2.11	<50

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178041

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	5	0.05	50	0.05	30	5	0.05	5	50	10	0.05	10	5	5	100
W422835		<5	0.67	50	0.40	410	<5	0.10	<5	430	20	0.23	<10	<5	66	<100
W422836		<5	0.80	50	0.41	380	<5	0.16	<5	400	10	0.19	<10	5	59	<100
W422837		<5	0.67	50	0.37	360	<5	0.11	<5	380	20	0.12	10	<5	49	<100
W422838		<5	0.77	50	0.40	370	<5	0.10	<5	420	10	0.09	<10	<5	57	<100
W422839		<5	0.73	50	0.38	370	<5	0.13	<5	370	10	0.15	<10	<5	60	<100
W422840		<5	0.78	50	0.41	340	<5	0.14	<5	390	10	0.24	<10	5	64	<100
W422841		<5	0.79	50	0.42	380	<5	0.14	<5	450	10	0.19	<10	5	63	<100
W422842		<5	0.61	50	0.38	340	<5	0.10	<5	390	20	0.39	<10	<5	49	<100
W422843		<5	0.30	<50	0.16	500	<5	<0.05	<5	250	10	0.36	<10	<5	90	<100
W422844		<5	0.66	50	0.38	330	<5	0.12	<5	370	10	0.33	<10	<5	46	<100
W422845		6	0.48	50	0.38	310	<5	0.06	<5	410	20	0.46	<10	<5	38	<100
W422846		<5	0.52	50	0.37	380	<5	0.06	<5	420	20	0.26	<10	<5	61	<100
W422847		5	0.26	<50	0.15	520	<5	<0.05	<5	360	10	0.33	<10	<5	98	<100
W422848		<5	0.53	<50	0.37	320	<5	0.07	<5	390	10	0.31	<10	<5	47	<100
W422849		<5	0.55	50	0.39	330	<5	0.07	<5	380	10	0.24	<10	<5	43	<100
W422850		<5	0.35	<50	1.44	440	<5	0.59	72	1060	40	2.37	<10	<5	207	<100
W422851		<5	0.65	50	0.39	330	<5	0.10	<5	420	<10	0.18	<10	<5	56	<100
W422852		<5	0.40	<50	0.26	600	<5	<0.05	<5	410	60	0.58	<10	<5	129	<100
W422853		<5	0.51	<50	0.29	450	<5	<0.05	<5	390	20	0.19	<10	<5	117	<100
W422854		<5	0.37	<50	0.34	310	<5	<0.05	<5	390	20	0.32	<10	<5	130	<100
W422855		<5	0.64	<50	0.35	340	<5	0.09	<5	350	10	0.22	<10	<5	61	<100
W422856		<5	<0.05	<50	0.14	50	<5	<0.05	<5	80	<10	<0.05	<10	<5	984	<100
W422857		<5	0.58	<50	0.29	260	<5	0.07	<5	270	10	0.13	<10	<5	32	<100
W422858		<5	0.72	50	0.41	360	<5	0.10	<5	380	10	0.13	<10	<5	53	<100
W422859		<5	0.49	50	0.38	330	<5	0.07	<5	430	10	0.33	10	<5	66	<100
W422860		<5	0.64	50	0.39	320	<5	0.12	<5	380	10	0.30	<10	<5	55	<100
W422861		<5	0.79	50	0.39	330	<5	0.09	<5	390	10	<0.05	<10	<5	51	<100
W422862		<5	0.81	50	0.39	350	<5	0.11	<5	390	10	0.05	<10	5	53	<100
W422863		<5	0.64	50	0.42	320	<5	0.06	<5	400	10	0.20	<10	<5	48	<100
W422864		<5	0.43	<50	0.18	430	10	<0.05	<5	340	10	0.27	<10	<5	72	<100
W422865		5	0.52	<50	0.38	320	<5	0.05	<5	370	10	0.08	10	<5	55	<100
W422866		6	0.43	<50	0.24	390	<5	<0.05	<5	400	20	0.14	<10	<5	65	<100
W422867		5	0.59	50	0.41	360	<5	0.05	<5	410	20	0.09	<10	<5	50	<100
W422868		<5	0.57	50	0.37	300	<5	0.07	<5	390	10	<0.05	<10	<5	50	<100
W422869		<5	0.51	<50	0.34	270	<5	0.05	<5	360	10	<0.05	<10	<5	39	<100
W422870		<5	0.80	50	0.40	360	<5	0.10	<5	430	10	<0.05	<10	<5	51	<100
W422871		<5	0.69	<50	0.35	290	<5	0.08	<5	340	20	0.05	<10	<5	39	<100
W422872		5	0.66	<50	0.33	310	<5	0.08	<5	320	10	<0.05	10	<5	38	<100
W422873		6	0.62	50	0.35	340	<5	0.06	<5	360	10	0.13	<10	<5	43	<100
W422874		<5	0.72	50	0.39	370	<5	0.09	<5	380	10	0.07	<10	<5	47	<100

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178041

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Ti	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	50	50	5	50	10
W422835		0.14	<50	<50	18	<50	60
W422836		0.17	<50	<50	22	<50	70
W422837		0.15	<50	<50	19	<50	60
W422838		0.16	<50	<50	21	<50	60
W422839		0.16	<50	<50	22	<50	60
W422840		0.17	<50	<50	23	<50	60
W422841		0.17	<50	<50	23	<50	60
W422842		0.14	<50	<50	20	<50	60
W422843		<0.05	<50	<50	<5	<50	10
W422844		0.14	<50	<50	21	<50	50
W422845		0.12	<50	<50	18	<50	60
W422846		0.12	<50	<50	17	<50	60
W422847		<0.05	<50	<50	5	<50	20
W422848		0.12	<50	<50	17	<50	50
W422849		0.13	<50	<50	20	<50	60
W422850		0.44	<50	<50	54	<50	90
W422851		0.15	<50	<50	20	<50	50
W422852		<0.05	<50	<50	6	<50	110
W422853		0.06	<50	<50	10	<50	50
W422854		0.05	<50	<50	11	<50	60
W422855		0.13	<50	<50	17	<50	50
W422856		<0.05	<50	<50	7	<50	10
W422857		0.11	<50	<50	14	<50	40
W422858		0.15	<50	<50	21	<50	50
W422859		0.10	<50	<50	18	<50	40
W422860		0.15	<50	<50	21	<50	40
W422861		0.16	<50	<50	20	<50	40
W422862		0.16	<50	<50	21	<50	50
W422863		0.15	<50	<50	19	<50	40
W422864		<0.05	<50	<50	8	<50	30
W422865		0.11	<50	<50	16	<50	40
W422866		0.06	<50	<50	10	<50	30
W422867		0.13	<50	<50	18	<50	50
W422868		0.13	<50	<50	17	<50	40
W422869		0.12	<50	<50	16	<50	40
W422870		0.16	<50	<50	22	<50	50
W422871		0.14	<50	<50	19	<50	50
W422872		0.14	<50	<50	19	<50	40
W422873		0.13	<50	<50	18	<50	50
W422874		0.14	<50	<50	19	<50	50

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178041

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP22 Au ppm 0.001	ME-ICP41a Ag ppm 1	ME-ICP41a Al % 0.05	ME-ICP41a As ppm 10	ME-ICP41a Ba ppm 50	ME-ICP41a Be ppm 5	ME-ICP41a Bi ppm 10	ME-ICP41a Ca % 0.05	ME-ICP41a Cd ppm 5	ME-ICP41a Co ppm 5	ME-ICP41a Cr ppm 5	ME-ICP41a Cu ppm 5	ME-ICP41a Fe % 0.05	ME-ICP41a Ga ppm 50
W422875		5.81	0.007	<1	1.10	<10	240	<5	<10	0.81	<5	<5	7	<5	2.05	<50
W422876		7.10	0.004	<1	1.11	20	230	<5	<10	0.92	<5	5	9	<5	2.17	<50
W422877		5.58	0.001	<1	0.92	<10	190	<5	<10	0.61	<5	<5	7	7	1.84	<50
W422878		4.30	0.004	<1	0.71	20	150	<5	<10	2.20	<5	<5	5	9	2.03	<50
W422879		3.76	0.003	<1	0.97	<10	160	<5	<10	0.83	<5	7	7	8	1.91	<50
W422880		3.56	0.005	<1	0.85	30	200	<5	<10	2.34	<5	<5	5	<5	1.73	<50
W422881		6.59	<0.001	1	1.40	<10	210	<5	<10	0.62	<5	<5	7	<5	2.12	<50
W422882		5.46	<0.001	<1	1.53	<10	250	<5	<10	0.65	<5	5	12	<5	2.27	<50
W422883		5.94	0.001	<1	1.40	10	240	<5	<10	0.59	<5	<5	8	<5	2.16	<50
W422884		5.86	<0.001	<1	1.64	<10	260	<5	<10	0.70	<5	<5	13	<5	2.38	<50
W422885		6.35	<0.001	<1	1.60	<10	260	<5	<10	0.71	<5	<5	10	<5	2.28	<50
W422886		5.75	<0.001	<1	1.56	<10	240	<5	<10	0.66	<5	5	9	<5	2.27	<50
W422887		6.46	<0.001	<1	1.62	<10	260	<5	<10	0.70	<5	5	10	<5	2.30	<50
W422888		3.82	<0.001	<1	1.65	<10	260	<5	<10	0.69	<5	<5	12	<5	2.40	<50
W422889		4.09	<0.001	<1	1.58	<10	260	<5	<10	0.73	<5	6	11	<5	2.34	<50
W422890		0.08	0.578	1	1.55	50	60	<5	<10	0.80	<5	16	48	60	4.97	<50
W422891		6.00	0.003	<1	1.42	70	230	<5	<10	0.88	<5	7	9	<5	2.20	<50
W422892		5.89	<0.001	<1	1.64	<10	260	<5	<10	0.66	<5	6	9	<5	2.31	<50
W422893		4.61	<0.001	<1	1.45	40	240	<5	<10	0.73	<5	<5	10	<5	2.23	<50
W422894		6.16	<0.001	<1	1.59	<10	230	<5	<10	0.66	<5	7	11	<5	2.34	<50
W422895		5.49	<0.001	<1	1.49	<10	210	<5	<10	0.62	<5	<5	9	<5	2.21	<50
W422896		0.10	<0.001	<1	<0.05	<10	<50	<5	<10	39.2	<5	<5	<5	<5	<0.05	<50
W422897		6.18	<0.001	<1	1.44	20	200	<5	<10	0.73	<5	5	8	<5	2.19	<50
W422898		5.17	<0.001	<1	1.49	10	220	<5	<10	0.60	<5	<5	9	<5	2.19	<50
W422899		7.09	0.007	<1	1.56	<10	230	<5	<10	0.67	<5	8	10	<5	2.32	<50
W422900		5.54	<0.001	<1	1.46	<10	220	<5	10	0.56	<5	<5	9	<5	2.20	<50
W422901		5.81	<0.001	<1	1.61	10	240	<5	<10	0.61	<5	5	9	<5	2.35	<50
W422902		5.51	<0.001	<1	1.50	<10	220	<5	10	0.56	<5	<5	11	<5	2.24	<50
W422903		6.13	<0.001	<1	1.52	<10	230	<5	<10	0.67	<5	<5	12	<5	2.38	<50
W422904		5.64	<0.001	<1	1.58	<10	270	<5	<10	0.73	<5	<5	12	<5	2.47	<50
W422905		6.01	<0.001	<1	1.41	<10	200	<5	<10	1.42	<5	<5	12	<5	2.27	<50
W422906		5.81	<0.001	<1	1.60	<10	270	<5	<10	0.64	<5	<5	13	<5	2.42	<50
W422907		5.55	<0.001	<1	1.31	<10	210	<5	<10	1.79	<5	<5	9	<5	2.42	<50
W422908		5.45	0.006	<1	1.22	<10	170	<5	<10	1.78	<5	<5	10	<5	2.42	<50
W422909		6.23	<0.001	<1	1.31	<10	200	<5	<10	1.15	<5	<5	11	<5	2.31	<50
W422910		0.09	1.025	<1	1.27	80	50	<5	<10	0.60	<5	11	46	69	4.74	<50
W422911		2.17	<0.001	<1	1.48	10	210	<5	<10	0.98	<5	<5	12	<5	2.48	<50
W422912		1.21	<0.001	<1	1.38	<10	290	<5	<10	1.87	<5	<5	11	<5	2.15	<50
W422913		6.90	<0.001	<1	1.46	<10	360	<5	<10	0.56	<5	<5	10	<5	2.33	<50
W422914		5.84	<0.001	<1	1.17	<10	350	<5	<10	0.66	<5	<5	11	<5	1.90	<50

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178041

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	5	0.05	50	0.05	30	5	0.05	5	50	10	0.05	10	5	5	100
W422875		<5	0.65	50	0.37	360	<5	0.07	<5	410	20	<0.05	<10	<5	48	<100
W422876		<5	0.62	50	0.38	400	<5	0.08	<5	380	20	0.07	<10	<5	57	<100
W422877		<5	0.50	50	0.36	320	<5	0.05	<5	390	20	0.13	<10	<5	35	<100
W422878		<5	0.34	<50	0.33	740	<5	<0.05	<5	360	10	0.29	<10	<5	94	<100
W422879		<5	0.45	50	0.37	330	<5	<0.05	<5	370	20	0.08	<10	<5	49	<100
W422880		6	0.47	<50	0.24	530	<5	<0.05	<5	380	20	0.06	<10	<5	77	<100
W422881		<5	0.81	50	0.55	400	<5	0.10	<5	490	10	<0.05	<10	<5	58	<100
W422882		<5	0.84	<50	0.54	410	<5	0.12	<5	510	10	<0.05	<10	<5	64	<100
W422883		<5	0.80	<50	0.56	400	<5	0.08	<5	530	20	<0.05	<10	<5	82	<100
W422884		<5	0.87	<50	0.56	420	<5	0.15	<5	520	20	<0.05	<10	<5	95	<100
W422885		<5	0.85	<50	0.56	420	<5	0.13	<5	540	10	<0.05	<10	<5	69	<100
W422886		6	0.84	<50	0.55	410	<5	0.13	<5	540	10	<0.05	<10	<5	59	<100
W422887		<5	0.87	<50	0.56	410	<5	0.14	<5	540	20	<0.05	<10	<5	79	<100
W422888		<5	0.88	50	0.57	420	<5	0.14	<5	540	20	<0.05	<10	<5	96	<100
W422889		<5	0.86	<50	0.57	420	<5	0.12	<5	540	10	<0.05	<10	<5	199	<100
W422890		<5	0.34	<50	1.41	430	<5	0.58	70	1050	40	2.30	<10	<5	200	<100
W422891		7	0.78	50	0.52	410	<5	0.10	<5	530	40	0.08	<10	<5	70	<100
W422892		<5	0.89	50	0.56	410	<5	0.14	<5	520	20	<0.05	<10	<5	74	<100
W422893		<5	0.82	<50	0.54	410	<5	0.10	<5	510	40	0.05	<10	<5	66	<100
W422894		7	0.85	<50	0.56	420	<5	0.13	<5	520	20	<0.05	<10	<5	66	<100
W422895		<5	0.81	<50	0.56	400	<5	0.11	<5	530	20	<0.05	<10	<5	53	<100
W422896		5	<0.05	<50	0.14	50	<5	<0.05	<5	70	<10	<0.05	<10	<5	994	<100
W422897		<5	0.76	<50	0.51	390	<5	0.11	<5	510	20	<0.05	10	<5	62	<100
W422898		<5	0.84	<50	0.55	400	<5	0.10	<5	520	20	<0.05	<10	<5	57	<100
W422899		<5	0.82	<50	0.56	420	<5	0.12	<5	500	20	<0.05	10	<5	75	<100
W422900		<5	0.83	<50	0.58	400	<5	0.09	<5	510	30	<0.05	<10	<5	52	<100
W422901		9	0.87	<50	0.60	420	<5	0.12	<5	530	10	<0.05	<10	<5	69	<100
W422902		<5	0.77	<50	0.57	380	<5	0.10	<5	520	20	<0.05	10	<5	56	<100
W422903		<5	0.76	<50	0.58	400	<5	0.09	<5	520	20	<0.05	<10	<5	58	<100
W422904		<5	0.85	<50	0.60	410	<5	0.10	<5	530	10	<0.05	<10	<5	75	<100
W422905		<5	0.75	<50	0.54	400	<5	0.05	<5	530	10	<0.05	<10	<5	106	<100
W422906		<5	0.85	<50	0.60	410	<5	0.10	<5	560	<10	<0.05	<10	<5	62	<100
W422907		<5	0.70	<50	0.56	440	<5	0.06	<5	510	10	<0.05	<10	<5	130	<100
W422908		<5	0.57	<50	0.49	610	<5	<0.05	<5	530	10	0.14	<10	<5	100	<100
W422909		<5	0.65	<50	0.54	470	<5	0.07	<5	510	20	0.10	<10	<5	81	<100
W422910		<5	0.31	<50	1.19	360	<5	0.50	58	880	40	2.56	<10	<5	137	<100
W422911		<5	0.69	<50	0.57	430	<5	0.09	<5	530	10	0.06	<10	<5	78	<100
W422912		<5	0.71	<50	1.17	330	<5	0.11	<5	450	10	<0.05	<10	<5	52	<100
W422913		<5	0.79	50	0.39	340	<5	0.12	<5	400	<10	<0.05	<10	<5	51	<100
W422914		<5	0.58	50	0.34	250	<5	0.11	<5	400	<10	<0.05	<10	<5	51	<100

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178041

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Ti	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	50	50	5	50	10
W422875		0.13	<50	<50	18	<50	50
W422876		0.12	<50	<50	18	<50	60
W422877		0.13	<50	<50	17	<50	50
W422878		0.06	<50	<50	11	<50	40
W422879		0.11	<50	<50	15	<50	50
W422880		0.06	<50	<50	9	<50	40
W422881		0.18	<50	<50	20	<50	50
W422882		0.19	<50	<50	21	<50	60
W422883		0.19	<50	<50	21	<50	60
W422884		0.20	<50	<50	22	<50	60
W422885		0.20	<50	<50	24	<50	60
W422886		0.20	<50	<50	23	<50	60
W422887		0.20	<50	<50	21	<50	60
W422888		0.21	<50	<50	22	<50	60
W422889		0.20	<50	<50	22	<50	60
W422890		0.43	<50	<50	53	<50	90
W422891		0.17	<50	<50	20	<50	60
W422892		0.20	<50	<50	23	<50	60
W422893		0.18	<50	<50	20	<50	60
W422894		0.19	<50	<50	22	<50	60
W422895		0.19	<50	<50	22	<50	70
W422896		<0.05	<50	<50	7	<50	10
W422897		0.17	<50	<50	20	<50	60
W422898		0.19	<50	<50	21	<50	60
W422899		0.19	<50	<50	22	<50	60
W422900		0.19	<50	<50	23	<50	60
W422901		0.19	<50	<50	22	<50	60
W422902		0.17	<50	<50	18	<50	40
W422903		0.16	<50	<50	21	<50	40
W422904		0.17	<50	<50	21	<50	40
W422905		0.12	<50	<50	18	<50	40
W422906		0.19	<50	<50	21	<50	40
W422907		0.12	<50	<50	16	<50	50
W422908		0.07	<50	<50	13	<50	30
W422909		0.12	<50	<50	15	<50	40
W422910		0.33	<50	<50	41	<50	100
W422911		0.13	<50	<50	18	<50	40
W422912		0.15	<50	<50	18	<50	30
W422913		0.16	<50	<50	19	<50	30
W422914		0.13	<50	<50	16	<50	10

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SUITE 279
HALIFAX NS B3M 3Y7

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CERTIFICATE OF ANALYSIS WH17178041

Sample Description	Method	WEI-21	Au-ICP22	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.001	1	0.05	10	50	5	10	0.05	5	5	5	5	0.05	50
W422915		5.44	<0.001	<1	1.37	<10	350	<5	<10	0.62	<5	<5	12	<5	2.30	<50
W422916		0.09	<0.001	<1	<0.05	<10	<50	<5	<10	38.7	<5	<5	<5	<5	<0.05	<50
W422917		5.17	<0.001	<1	1.44	<10	350	<5	<10	0.66	<5	<5	11	<5	2.43	<50
W422918		6.45	<0.001	<1	1.41	<10	340	<5	<10	0.64	<5	<5	12	10	2.41	<50
W422919		5.59	<0.001	<1	1.44	<10	370	<5	<10	0.56	<5	<5	10	<5	2.40	<50
W422920		6.16	<0.001	<1	1.52	<10	390	<5	<10	0.62	<5	<5	11	<5	2.52	<50
W422921		5.47	<0.001	<1	1.07	<10	280	<5	<10	0.59	<5	<5	10	<5	1.87	<50
W422922		5.49	<0.001	<1	1.10	<10	270	<5	<10	0.63	<5	<5	10	<5	1.97	<50
W422923		4.17	<0.001	<1	1.39	<10	330	<5	<10	0.59	<5	<5	13	<5	2.35	<50
W422924		5.95	<0.001	<1	1.32	<10	340	<5	<10	0.79	<5	<5	12	<5	2.02	<50
W422925		2.79	<0.001	<1	0.70	<10	130	<5	10	1.24	<5	<5	8	<5	1.09	<50
W422926		5.98	<0.001	<1	1.38	<10	330	<5	<10	0.63	<5	<5	11	<5	2.32	<50
W422927		4.42	<0.001	<1	1.42	<10	350	<5	<10	0.59	<5	<5	10	<5	2.28	<50
W422928		6.47	<0.001	<1	1.48	10	370	<5	<10	0.56	<5	<5	12	<5	2.38	<50
W422929		<0.02	<0.001	<1	1.45	<10	370	<5	<10	0.56	<5	<5	10	<5	2.31	<50
W422930		5.82	<0.001	<1	1.45	<10	380	<5	<10	0.57	<5	<5	11	<5	2.36	<50
W422931		7.07	<0.001	<1	1.49	<10	410	<5	<10	0.65	<5	<5	10	<5	2.33	<50
W422932		5.08	<0.001	<1	1.44	<10	400	<5	<10	0.67	<5	<5	13	<5	2.37	<50
W422933		5.54	<0.001	<1	1.17	<10	310	<5	<10	0.93	<5	<5	10	<5	2.05	<50
W422934		5.76	<0.001	<1	1.38	<10	330	<5	<10	0.84	<5	<5	13	<5	2.41	<50
W422935		5.57	<0.001	<1	1.20	<10	320	<5	<10	1.12	<5	<5	9	<5	2.03	<50
W422936		6.74	<0.001	<1	1.29	<10	350	<5	<10	0.82	<5	<5	12	<5	2.27	<50
W422937		6.63	<0.001	<1	1.30	<10	340	<5	<10	0.92	<5	<5	10	<5	2.19	<50
W422938		5.70	<0.001	<1	1.53	<10	380	<5	10	0.64	<5	6	13	<5	2.29	<50
W422939		4.72	<0.001	<1	1.35	<10	340	<5	<10	0.53	<5	5	14	5	2.18	<50
W422940		6.08	<0.001	<1	1.44	<10	340	<5	10	0.60	<5	5	13	<5	2.28	<50
W422941		5.83	<0.001	<1	1.50	10	360	<5	10	0.64	<5	5	12	<5	2.41	<50
W422942		5.52	<0.001	<1	1.42	<10	340	<5	<10	0.65	<5	5	15	7	2.54	<50
W422943		5.08	<0.001	<1	1.33	10	320	<5	<10	0.70	<5	<5	12	<5	2.30	<50
W422944		7.12	<0.001	<1	1.52	<10	350	<5	<10	0.65	<5	5	13	<5	2.35	<50
W422945		3.86	<0.001	<1	1.44	<10	320	<5	<10	0.57	<5	6	15	<5	2.41	<50
W422946		5.63	<0.001	<1	1.12	10	240	<5	10	0.91	<5	6	12	<5	2.09	<50
W422947		6.24	<0.001	<1	1.14	10	270	<5	<10	1.10	<5	<5	13	<5	2.07	<50
W422948		6.05	<0.001	<1	1.45	<10	430	<5	<10	0.55	<5	<5	12	<5	2.38	<50
W422949		3.39	0.004	<1	1.17	10	290	<5	<10	0.74	<5	<5	10	<5	2.20	<50
W422950		0.09	1.005	1	1.25	60	50	<5	<10	0.59	<5	12	45	68	4.71	<50
W422951		3.87	<0.001	<1	0.80	<10	230	<5	<10	2.14	<5	<5	7	<5	1.79	<50
W422952		5.60	<0.001	<1	1.23	<10	310	<5	<10	0.48	<5	<5	10	<5	2.17	<50
W422953		6.08	<0.001	<1	1.40	10	320	<5	10	0.69	<5	<5	16	13	2.45	<50
W422954		6.72	<0.001	<1	1.26	<10	300	<5	<10	0.57	<5	<5	10	<5	2.29	<50

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
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CERTIFICATE OF ANALYSIS WH17178041

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	5	0.05	50	0.05	30	5	0.05	5	50	10	0.05	10	5	5	100
W422915		<5	0.70	50	0.39	310	<5	0.10	<5	390	10	<0.05	10	<5	47	<100
W422916		<5	<0.05	<50	0.14	40	<5	<0.05	<5	50	<10	<0.05	10	<5	1000	<100
W422917		<5	0.76	50	0.44	350	<5	0.10	<5	430	<10	0.14	<10	5	45	<100
W422918		<5	0.73	50	0.44	310	<5	0.11	<5	430	<10	0.20	10	5	62	<100
W422919		<5	0.78	50	0.45	340	<5	0.09	<5	430	<10	0.10	<10	5	53	<100
W422920		<5	0.83	50	0.43	360	<5	0.13	<5	430	<10	0.15	<10	5	54	<100
W422921		<5	0.61	<50	0.33	260	<5	0.06	<5	380	<10	<0.05	<10	<5	31	<100
W422922		<5	0.60	<50	0.32	280	<5	0.07	<5	360	<10	<0.05	<10	<5	32	<100
W422923		<5	0.75	50	0.41	320	<5	0.10	<5	410	10	0.09	10	<5	45	<100
W422924		<5	0.65	50	0.37	240	<5	0.12	<5	390	<10	<0.05	<10	<5	58	<100
W422925		<5	0.25	50	0.22	150	<5	0.05	<5	350	<10	<0.05	<10	<5	61	<100
W422926		<5	0.79	50	0.40	350	<5	0.09	<5	400	<10	<0.05	<10	5	52	<100
W422927		<5	0.77	<50	0.41	340	<5	0.08	<5	420	10	<0.05	<10	5	44	<100
W422928		<5	0.81	50	0.42	350	<5	0.11	<5	420	10	0.06	<10	5	50	<100
W422929		<5	0.80	50	0.42	340	<5	0.11	<5	410	10	0.07	<10	5	48	<100
W422930		<5	0.82	50	0.42	350	<5	0.09	<5	390	10	<0.05	10	5	43	<100
W422931		<5	0.84	50	0.43	330	<5	0.10	<5	410	<10	<0.05	<10	5	52	<100
W422932		<5	0.82	50	0.41	330	<5	0.11	<5	410	10	0.06	<10	5	52	<100
W422933		<5	0.69	<50	0.36	290	<5	0.05	<5	360	<10	<0.05	<10	<5	44	<100
W422934		<5	0.70	50	0.40	320	<5	0.08	<5	400	10	<0.05	<10	<5	41	<100
W422935		<5	0.62	50	0.38	310	<5	0.07	<5	400	10	0.05	<10	<5	70	<100
W422936		<5	0.69	50	0.41	320	<5	0.07	<5	400	10	<0.05	<10	<5	40	<100
W422937		<5	0.68	50	0.38	310	<5	0.08	<5	410	10	0.06	<10	<5	44	<100
W422938		<5	0.85	50	0.39	340	<5	0.11	<5	380	<10	<0.05	<10	5	64	<100
W422939		<5	0.81	<50	0.39	330	5	0.06	<5	420	10	<0.05	<10	<5	47	<100
W422940		<5	0.83	<50	0.38	340	<5	0.09	5	370	10	<0.05	<10	<5	54	<100
W422941		<5	0.87	50	0.42	350	<5	0.07	7	410	<10	<0.05	<10	5	50	<100
W422942		<5	0.82	50	0.41	360	5	0.07	<5	410	10	0.07	<10	5	48	<100
W422943		<5	0.78	50	0.39	340	<5	0.05	<5	390	10	<0.05	<10	<5	48	<100
W422944		<5	0.86	50	0.41	340	<5	0.09	8	420	<10	<0.05	<10	<5	60	<100
W422945		<5	0.83	50	0.40	340	<5	0.07	<5	410	<10	<0.05	<10	<5	52	<100
W422946		<5	0.57	<50	0.38	310	<5	<0.05	<5	400	<10	<0.05	<10	<5	45	<100
W422947		<5	0.58	50	0.37	270	<5	<0.05	5	420	<10	<0.05	<10	<5	66	<100
W422948		<5	0.82	50	0.41	350	<5	0.10	<5	410	10	<0.05	<10	5	52	<100
W422949		<5	0.66	50	0.37	340	<5	0.06	<5	370	<10	<0.05	<10	<5	47	<100
W422950		<5	0.30	<50	1.18	350	<5	0.49	56	850	40	2.55	10	<5	142	<100
W422951		<5	0.44	<50	0.20	380	<5	<0.05	<5	410	10	0.14	10	<5	106	<100
W422952		<5	0.72	50	0.40	340	<5	0.07	<5	410	10	0.11	<10	5	42	<100
W422953		<5	0.75	50	0.42	350	<5	0.10	<5	430	40	0.25	<10	5	58	<100
W422954		<5	0.68	50	0.42	350	<5	0.08	<5	400	<10	0.24	<10	5	41	<100

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178041

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Ti	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	50	50	5	50	10
W422915		0.14	<50	<50	19	<50	30
W422916		<0.05	<50	<50	6	<50	<10
W422917		0.16	<50	<50	21	<50	40
W422918		0.16	<50	<50	21	<50	30
W422919		0.16	<50	<50	20	<50	40
W422920		0.17	<50	<50	21	<50	40
W422921		0.12	<50	<50	15	<50	30
W422922		0.12	<50	<50	15	<50	20
W422923		0.15	<50	<50	18	<50	30
W422924		0.15	<50	<50	18	<50	10
W422925		0.08	<50	<50	10	70	<10
W422926		0.15	<50	<50	19	<50	40
W422927		0.16	<50	<50	21	<50	40
W422928		0.16	<50	<50	20	<50	40
W422929		0.17	<50	<50	20	<50	40
W422930		0.16	<50	<50	20	<50	40
W422931		0.17	<50	<50	21	<50	40
W422932		0.16	<50	<50	20	<50	30
W422933		0.12	<50	<50	17	<50	30
W422934		0.13	<50	<50	17	<50	30
W422935		0.12	<50	<50	16	<50	30
W422936		0.13	<50	<50	18	<50	30
W422937		0.13	<50	<50	18	<50	30
W422938		0.16	<50	<50	22	<50	50
W422939		0.16	<50	<50	21	<50	60
W422940		0.15	<50	<50	21	<50	60
W422941		0.16	<50	<50	24	<50	60
W422942		0.15	<50	<50	24	<50	60
W422943		0.14	<50	<50	22	<50	60
W422944		0.17	<50	<50	22	<50	60
W422945		0.16	<50	<50	23	<50	60
W422946		0.12	<50	<50	18	<50	50
W422947		0.12	<50	<50	20	<50	40
W422948		0.16	<50	<50	20	<50	40
W422949		0.13	<50	<50	16	<50	40
W422950		0.33	<50	<50	40	<50	100
W422951		0.05	<50	<50	7	<50	40
W422952		0.16	<50	<50	19	<50	50
W422953		0.16	<50	<50	24	<50	80
W422954		0.15	<50	<50	21	<50	40

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178041

Sample Description	Method	WEI-21	Au-ICP22	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.001	1	0.05	10	50	5	10	0.05	5	5	5	5	0.05	50
W422955		5.79	<0.001	<1	1.28	<10	290	<5	<10	0.63	<5	<5	12	<5	2.39	<50
W422956		0.12	0.001	<1	<0.05	<10	<50	<5	<10	37.1	<5	<5	<5	<5	<0.05	<50
W422957		3.48	<0.001	<1	1.18	<10	280	<5	<10	0.73	<5	<5	9	<5	2.18	<50
W422958		4.08	<0.001	<1	1.11	<10	250	<5	<10	0.56	<5	<5	11	<5	2.25	<50
W422959		3.25	0.329	<1	0.60	1020	160	<5	<10	2.69	<5	<5	6	8	1.73	<50
W422960		6.32	<0.001	<1	1.23	<10	270	<5	<10	0.56	<5	<5	13	<5	2.28	<50
W422961		5.83	<0.001	<1	0.87	<10	190	<5	<10	0.32	<5	<5	9	<5	1.67	<50
W422962		6.02	<0.001	<1	0.89	<10	180	<5	<10	0.33	<5	<5	9	8	1.70	<50
W422963		5.77	<0.001	<1	1.27	<10	290	<5	<10	0.49	<5	<5	11	13	2.18	<50
W422964		5.84	0.006	<1	1.15	<10	270	<5	10	0.87	<5	<5	10	<5	2.18	<50
W422965		5.88	<0.001	<1	1.09	<10	250	<5	<10	0.58	<5	<5	9	<5	1.92	<50
W422966		6.99	<0.001	<1	1.45	<10	340	<5	<10	0.56	<5	<5	12	<5	2.48	<50
W422967		5.90	<0.001	<1	1.32	<10	310	<5	<10	0.59	<5	<5	10	<5	2.10	<50
W422968		3.26	<0.001	<1	1.48	<10	320	<5	<10	0.59	<5	<5	12	<5	2.45	<50
W422969		<0.02	<0.001	<1	1.38	<10	320	<5	<10	0.57	<5	<5	9	<5	2.18	<50
W422970		3.65	<0.001	<1	1.12	<10	250	<5	<10	0.51	<5	<5	10	<5	2.18	<50
W422971		6.12	<0.001	<1	1.00	<10	220	<5	<10	0.87	<5	<5	10	<5	2.02	<50
W422972		5.66	<0.001	<1	1.25	<10	260	<5	10	0.59	<5	<5	13	<5	2.44	<50
W422973		6.25	0.002	<1	1.12	<10	250	<5	<10	0.74	<5	<5	9	<5	2.12	<50
W422974		6.18	0.018	<1	0.88	220	240	<5	<10	1.82	<5	<5	7	5	1.95	<50
W422975		3.71	<0.001	<1	0.98	<10	200	<5	<10	0.74	<5	<5	11	<5	2.04	<50
W422976		4.09	0.004	<1	1.12	<10	210	<5	<10	0.79	<5	<5	10	<5	2.21	<50
W422977		6.19	0.041	<1	0.82	110	200	<5	<10	1.99	<5	<5	7	5	1.81	<50
W422978		5.52	0.654	<1	0.68	3680	170	<5	<10	2.09	<5	<5	9	9	2.20	<50
W422979		5.59	0.008	<1	1.10	<10	250	<5	<10	0.93	<5	<5	10	<5	2.43	<50
W422980		6.09	<0.001	<1	1.26	<10	320	<5	<10	0.57	<5	<5	11	12	2.29	<50
W422981		2.44	<0.001	<1	1.17	<10	220	<5	<10	0.69	<5	<5	12	<5	2.33	<50
W422982		3.05	2.89	1	0.38	580	130	<5	<10	5.18	<5	<5	5	12	3.71	<50
W422983		6.50	0.001	<1	1.13	<10	260	<5	<10	0.96	<5	<5	12	<5	2.23	<50
W422984		5.80	0.001	<1	1.17	<10	270	<5	<10	0.77	<5	<5	12	6	2.28	<50
W422985		3.97	<0.001	1	1.31	<10	300	<5	<10	0.76	<5	<5	14	<5	2.52	<50
W422986		4.50	0.008	<1	0.91	10	180	<5	<10	1.35	<5	<5	10	10	2.33	<50
W422987		4.10	<0.001	<1	0.78	<10	120	<5	<10	2.17	<5	<5	9	<5	2.17	<50
W422988		4.98	<0.001	1	1.24	<10	280	<5	<10	0.71	<5	<5	10	<5	2.29	<50
W422989		5.77	0.005	<1	1.44	30	340	<5	<10	0.67	<5	<5	14	<5	2.51	<50
W422990		0.08	1.005	<1	1.33	80	60	<5	10	0.65	<5	15	48	75	4.82	<50
W422991		6.01	0.001	<1	1.39	<10	320	<5	<10	0.54	<5	<5	12	<5	2.34	<50
W422992		5.78	0.001	<1	1.46	10	350	<5	<10	0.53	<5	<5	13	<5	2.43	<50
W422993		5.87	<0.001	1	1.44	<10	330	<5	<10	0.51	<5	<5	13	<5	2.34	<50
W422994		4.91	<0.001	1	1.54	<10	340	<5	<10	0.53	<5	<5	14	<5	2.42	<50

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178041

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	5	0.05	50	0.05	30	5	0.05	5	50	10	0.05	10	5	5	100
W422955		<5	0.68	50	0.41	340	<5	0.09	<5	390	<10	0.26	<10	5	47	<100
W422956		<5	<0.05	<50	0.14	40	<5	<0.05	<5	<50	<10	<0.05	<10	<5	965	<100
W422957		<5	0.66	50	0.40	340	<5	0.05	<5	400	<10	<0.05	<10	<5	39	<100
W422958		<5	0.59	50	0.39	320	<5	0.07	<5	370	<10	0.28	<10	<5	33	<100
W422959		<5	0.33	<50	0.14	530	<5	<0.05	<5	330	20	0.65	<10	<5	90	<100
W422960		<5	0.65	50	0.39	350	<5	0.08	<5	400	30	0.09	10	<5	48	<100
W422961		<5	0.54	<50	0.29	290	<5	0.06	<5	280	10	0.12	<10	<5	26	<100
W422962		<5	0.53	<50	0.26	290	<5	0.07	<5	260	10	0.10	<10	<5	28	<100
W422963		<5	0.70	50	0.39	340	<5	0.10	<5	370	<10	0.23	<10	<5	56	<100
W422964		<5	0.62	50	0.37	350	<5	0.07	<5	400	10	0.11	<10	<5	56	<100
W422965		<5	0.64	<50	0.37	310	<5	0.07	<5	360	<10	0.08	<10	<5	44	<100
W422966		<5	0.79	50	0.42	350	<5	0.13	<5	400	<10	0.15	<10	5	63	<100
W422967		<5	0.73	50	0.38	320	<5	0.10	<5	450	<10	<0.05	<10	<5	52	<100
W422968		<5	0.77	50	0.39	350	<5	0.14	<5	390	<10	0.10	<10	<5	66	<100
W422969		<5	0.74	50	0.39	320	<5	0.11	<5	390	10	0.09	<10	<5	61	<100
W422970		<5	0.61	50	0.37	320	<5	0.07	<5	390	30	0.10	<10	<5	41	<100
W422971		<5	0.54	<50	0.34	330	<5	0.06	<5	370	<10	0.23	<10	<5	55	<100
W422972		<5	0.65	50	0.42	330	<5	0.10	<5	400	<10	0.38	<10	5	52	<100
W422973		<5	0.60	50	0.37	330	<5	0.07	<5	410	10	0.12	<10	<5	65	<100
W422974		5	0.49	50	0.27	430	<5	<0.05	<5	380	10	0.23	10	<5	93	<100
W422975		<5	0.50	50	0.35	290	<5	0.05	<5	370	10	0.25	<10	<5	51	<100
W422976		<5	0.50	50	0.37	320	<5	0.05	<5	420	10	0.07	<10	<5	61	<100
W422977		<5	0.39	50	0.27	390	<5	<0.05	<5	410	<10	0.30	<10	<5	95	<100
W422978		<5	0.36	<50	0.25	460	<5	<0.05	<5	360	10	0.52	<10	<5	106	<100
W422979		5	0.55	50	0.35	350	<5	0.06	<5	390	10	0.20	<10	<5	91	<100
W422980		<5	0.73	50	0.41	350	<5	0.08	7	420	20	<0.05	<10	<5	49	<100
W422981		<5	0.53	50	0.39	360	<5	0.06	<5	430	20	<0.05	<10	<5	51	<100
W422982		<5	0.27	<50	0.22	850	<5	<0.05	<5	360	40	2.66	<10	<5	202	<100
W422983		<5	0.60	50	0.37	350	<5	0.06	5	410	20	<0.05	<10	<5	69	<100
W422984		<5	0.68	50	0.38	330	<5	0.08	7	430	10	0.12	<10	<5	63	<100
W422985		<5	0.71	50	0.42	370	<5	0.09	<5	430	10	0.07	<10	<5	61	<100
W422986		<5	0.45	50	0.38	380	<5	0.06	5	430	40	0.18	<10	<5	126	<100
W422987		<5	0.30	50	0.36	350	<5	<0.05	<5	440	20	<0.05	<10	<5	210	<100
W422988		<5	0.71	50	0.40	360	<5	0.07	<5	440	10	<0.05	<10	<5	62	<100
W422989		<5	0.82	50	0.43	380	<5	0.10	<5	430	10	<0.05	<10	5	62	<100
W422990		<5	0.32	<50	1.22	370	<5	0.53	69	860	50	2.54	<10	<5	148	<100
W422991		<5	0.80	50	0.44	360	<5	0.09	5	450	10	0.13	<10	5	51	<100
W422992		<5	0.85	<50	0.44	370	<5	0.11	<5	410	10	<0.05	<10	5	57	<100
W422993		<5	0.84	50	0.43	360	<5	0.11	6	440	10	<0.05	<10	5	63	<100
W422994		<5	0.87	50	0.42	360	<5	0.13	<5	420	10	<0.05	<10	5	71	<100

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178041

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Ti	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	50	50	5	50	10
W422955		0.15	<50	<50	20	<50	40
W422956		<0.05	<50	<50	6	<50	<10
W422957		0.14	<50	<50	17	<50	30
W422958		0.14	<50	<50	17	<50	30
W422959		<0.05	<50	<50	<5	<50	30
W422960		0.14	<50	<50	18	<50	120
W422961		0.11	<50	<50	14	<50	20
W422962		0.10	<50	<50	12	<50	20
W422963		0.15	<50	<50	19	<50	40
W422964		0.13	<50	<50	17	<50	30
W422965		0.14	<50	<50	16	<50	30
W422966		0.17	<50	<50	20	<50	30
W422967		0.16	<50	<50	18	<50	30
W422968		0.16	<50	<50	20	<50	40
W422969		0.15	<50	<50	20	<50	40
W422970		0.14	<50	<50	18	<50	120
W422971		0.11	<50	<50	15	<50	30
W422972		0.14	<50	<50	19	<50	40
W422973		0.13	<50	<50	17	<50	40
W422974		0.06	<50	<50	9	<50	20
W422975		0.12	<50	<50	15	<50	30
W422976		0.12	<50	<50	15	<50	40
W422977		<0.05	<50	<50	7	<50	10
W422978		<0.05	<50	<50	5	<50	20
W422979		0.10	<50	<50	16	<50	50
W422980		0.15	<50	<50	22	<50	60
W422981		0.12	<50	<50	18	<50	70
W422982		<0.05	<50	<50	<5	<50	60
W422983		0.12	<50	<50	19	<50	60
W422984		0.13	<50	<50	20	<50	60
W422985		0.14	<50	<50	24	<50	60
W422986		0.06	<50	<50	15	<50	80
W422987		<0.05	<50	<50	12	<50	70
W422988		0.13	<50	<50	20	<50	70
W422989		0.16	<50	<50	24	<50	70
W422990		0.34	<50	<50	43	<50	130
W422991		0.16	<50	<50	24	<50	70
W422992		0.16	<50	<50	22	<50	60
W422993		0.17	<50	<50	24	<50	60
W422994		0.17	<50	<50	22	<50	60

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178041

Sample Description	Method	WEI-21	Au-ICP22	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.001	1	0.05	10	50	5	10	0.05	5	5	5	5	0.05	50
W422995		4.35	<0.001	<1	1.42	<10	330	<5	<10	0.48	<5	<5	13	<5	2.27	<50
W422996		0.08	<0.001	<1	<0.05	<10	<50	<5	<10	38.9	<5	<5	<5	<5	<0.05	<50
W422997		3.97	<0.001	<1	1.45	<10	300	<5	<10	0.58	<5	<5	13	5	2.48	<50
W422998		4.03	<0.001	1	1.11	<10	230	<5	<10	0.55	<5	<5	11	14	2.21	<50
W422999		3.12	<0.001	<1	1.17	<10	220	<5	<10	0.81	<5	<5	12	5	2.29	<50
W423000		4.46	<0.001	<1	0.44	20	150	<5	<10	2.56	<5	<5	7	<5	1.91	<50
W423001		5.44	0.976	<1	1.32	<10	260	<5	<10	0.64	<5	<5	14	<5	2.49	<50
W423002		5.93	<0.001	<1	1.29	<10	270	<5	<10	0.66	<5	<5	14	<5	2.21	<50
W423003		6.61	<0.001	<1	1.03	<10	230	<5	<10	0.60	<5	<5	13	<5	1.82	<50
W423004		3.97	<0.001	<1	1.25	<10	260	<5	<10	0.62	<5	<5	13	9	2.21	<50
W423005		4.64	<0.001	<1	1.43	20	300	<5	<10	0.65	<5	<5	14	<5	2.54	<50
W423006		3.82	<0.001	<1	0.77	<10	130	<5	<10	0.51	<5	<5	11	<5	1.39	<50
W423007		3.08	<0.001	<1	0.39	10	<50	<5	<10	0.36	<5	<5	10	<5	0.71	<50
W423008		1.80	<0.001	<1	0.30	10	60	<5	<10	0.26	<5	<5	7	<5	0.47	<50
W423009		4.13	0.001	<1	0.43	<10	70	<5	<10	1.29	<5	<5	6	<5	0.65	<50
W423010		0.08	0.839	1	1.36	70	50	<5	<10	0.67	<5	16	44	74	4.71	<50
W423011		4.15	<0.001	1	0.94	10	150	<5	<10	1.07	<5	<5	12	19	1.95	<50
W423012		4.03	0.016	1	0.48	30	160	<5	<10	2.10	<5	<5	6	22	0.87	<50
W423013		3.28	0.015	1	0.47	170	130	<5	<10	2.33	<5	<5	5	9	0.88	<50
W423014		3.87	<0.001	<1	0.72	20	190	<5	<10	1.86	<5	<5	9	7	1.54	<50
W423015		4.26	0.001	<1	0.65	50	200	<5	<10	2.58	<5	<5	8	10	1.28	<50
W423016		0.11	0.005	<1	<0.05	20	<50	<5	<10	38.3	<5	<5	<5	8	<0.05	<50
W423017		4.53	<0.001	<1	1.01	10	220	<5	<10	1.64	<5	<5	11	5	1.97	<50
W423018		2.47	0.009	<1	0.67	20	180	<5	<10	3.32	<5	<5	7	5	1.61	<50
W423019		5.55	<0.001	<1	1.05	<10	170	<5	<10	1.06	<5	<5	11	<5	2.06	<50
W423020		6.89	<0.001	<1	0.96	10	210	<5	<10	1.49	<5	<5	10	<5	1.96	<50
W423021		6.16	<0.001	<1	1.26	<10	260	<5	<10	0.62	<5	<5	13	6	2.34	<50
W423022		6.35	<0.001	<1	1.27	10	260	<5	<10	0.60	<5	<5	13	<5	2.36	<50
W423023		6.30	<0.001	1	1.33	<10	270	<5	<10	0.55	<5	<5	14	6	2.33	<50
W423024		5.82	<0.001	<1	1.25	<10	220	<5	<10	0.59	<5	<5	13	10	2.35	<50
W423025		6.08	<0.001	<1	1.33	<10	270	<5	<10	0.58	<5	<5	14	11	2.42	<50
W423026		6.16	<0.001	<1	1.47	<10	330	<5	<10	0.60	<5	5	13	<5	2.53	<50
W423027		3.01	<0.001	<1	1.36	<10	290	<5	<10	0.68	<5	<5	12	<5	2.33	<50
W423028		6.58	<0.001	<1	1.02	<10	250	<5	<10	0.65	<5	<5	13	5	1.82	<50
W423029		<0.02	<0.001	<1	1.03	<10	250	<5	<10	0.64	<5	<5	12	5	1.86	<50
W423030		5.94	<0.001	<1	1.19	<10	200	<5	<10	0.77	<5	<5	12	12	2.36	<50
W423031		5.74	<0.001	<1	1.19	20	210	<5	<10	0.84	<5	5	15	<5	2.23	<50
W423032		5.59	<0.001	<1	1.24	<10	230	<5	<10	0.85	<5	<5	12	<5	2.37	<50
W423033		6.05	0.002	<1	1.13	10	170	<5	10	0.84	<5	5	12	6	2.29	<50
W423034		6.07	<0.001	<1	1.30	10	180	<5	<10	1.18	<5	<5	15	5	2.18	<50

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178041

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	5	0.05	50	0.05	30	5	0.05	5	50	10	0.05	10	5	5	100
W422995		<5	0.83	50	0.46	350	<5	0.12	6	440	10	<0.05	<10	5	64	<100
W422996		<5	<0.05	<50	0.14	50	<5	<0.05	<5	70	<10	<0.05	<10	<5	972	<100
W422997		<5	0.80	50	0.42	390	<5	0.15	8	440	20	0.14	<10	5	66	<100
W422998		<5	0.62	50	0.37	320	<5	0.09	<5	420	10	0.24	<10	<5	40	<100
W422999		<5	0.58	50	0.37	350	<5	0.08	<5	420	10	0.10	<10	<5	56	<100
W423000		<5	0.36	<50	0.26	970	<5	<0.05	<5	440	20	0.46	<10	<5	121	<100
W423001		<5	0.70	50	0.41	370	<5	0.10	7	450	20	<0.05	<10	<5	50	<100
W423002		<5	0.70	50	0.37	340	<5	0.13	<5	400	20	<0.05	<10	<5	54	<100
W423003		<5	0.54	<50	0.29	280	<5	0.12	<5	330	10	0.05	<10	<5	57	<100
W423004		<5	0.68	50	0.37	320	<5	0.13	7	410	10	0.17	<10	<5	62	<100
W423005		<5	0.83	50	0.42	390	<5	0.12	5	440	10	0.09	<10	5	66	<100
W423006		<5	0.48	<50	0.20	220	<5	0.09	<5	200	20	0.07	<10	<5	30	<100
W423007		<5	0.26	<50	0.06	120	<5	0.07	<5	50	20	0.08	<10	<5	25	<100
W423008		<5	0.16	<50	<0.05	60	<5	0.08	6	<50	20	<0.05	<10	<5	37	<100
W423009		<5	0.19	<50	<0.05	180	<5	0.06	<5	70	30	0.06	<10	<5	76	<100
W423010		<5	0.29	<50	1.19	360	<5	0.50	68	890	30	2.50	<10	<5	177	<100
W423011		<5	0.46	<50	0.30	310	<5	0.08	<5	350	10	0.27	<10	<5	70	<100
W423012		<5	0.35	<50	0.08	380	<5	0.05	<5	160	30	0.14	<10	<5	82	<100
W423013		<5	0.36	<50	0.09	430	<5	<0.05	<5	170	10	0.18	<10	<5	104	<100
W423014		<5	0.43	<50	0.22	360	<5	0.05	<5	330	20	0.12	<10	<5	100	<100
W423015		<5	0.43	<50	0.18	490	<5	<0.05	<5	320	30	0.19	<10	<5	110	<100
W423016		<5	<0.05	<50	0.14	50	<5	<0.05	20	80	10	<0.05	<10	<5	972	<100
W423017		<5	0.48	<50	0.32	420	<5	0.05	8	430	10	0.08	<10	<5	77	<100
W423018		<5	0.34	<50	0.24	620	<5	<0.05	6	380	20	0.07	<10	<5	135	<100
W423019		<5	0.47	50	0.35	350	<5	0.07	<5	400	20	0.07	<10	<5	66	<100
W423020		<5	0.50	<50	0.31	400	<5	0.05	<5	410	10	0.08	<10	<5	94	<100
W423021		<5	0.74	<50	0.40	350	<5	0.10	5	400	10	0.06	<10	<5	56	<100
W423022		<5	0.75	<50	0.40	350	<5	0.10	6	430	20	0.05	<10	<5	51	<100
W423023		<5	0.79	50	0.39	350	<5	0.11	<5	400	10	0.12	<10	<5	56	<100
W423024		<5	0.66	50	0.40	330	<5	0.11	5	420	10	0.34	<10	<5	60	<100
W423025		<5	0.75	50	0.42	340	<5	0.12	<5	430	20	0.26	<10	5	56	<100
W423026		<5	0.89	50	0.45	390	<5	0.11	<5	460	10	0.07	<10	5	52	<100
W423027		<5	0.80	50	0.41	350	<5	0.09	11	420	20	<0.05	<10	5	51	<100
W423028		<5	0.56	50	0.32	250	<5	0.09	7	370	10	0.11	<10	<5	55	<100
W423029		<5	0.58	<50	0.33	260	<5	0.09	<5	390	10	0.11	<10	<5	52	<100
W423030		<5	0.63	50	0.40	340	<5	0.08	5	420	10	0.29	<10	<5	54	<100
W423031		<5	0.67	<50	0.35	320	<5	0.07	<5	380	10	<0.05	<10	<5	66	<100
W423032		<5	0.73	50	0.39	340	<5	0.08	<5	400	10	0.07	<10	<5	57	<100
W423033		<5	0.53	50	0.38	320	<5	0.06	5	420	30	0.16	<10	<5	46	<100
W423034		<5	0.61	<50	0.47	380	<5	0.09	6	530	20	0.07	<10	<5	78	<100

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178041

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Ti	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	50	50	5	50	10
W422995		0.16	<50	<50	23	<50	60
W422996		<0.05	<50	<50	8	<50	<10
W422997		0.16	<50	<50	22	<50	60
W422998		0.14	<50	<50	20	<50	50
W422999		0.12	<50	<50	19	<50	60
W423000		<0.05	<50	<50	<5	<50	40
W423001		0.14	<50	<50	20	<50	50
W423002		0.15	<50	<50	19	<50	50
W423003		0.11	<50	<50	14	<50	40
W423004		0.14	<50	<50	20	<50	50
W423005		0.15	<50	<50	23	<50	60
W423006		0.07	<50	<50	11	<50	30
W423007		<0.05	<50	<50	<5	<50	10
W423008		<0.05	<50	<50	<5	<50	<10
W423009		<0.05	<50	<50	<5	<50	30
W423010		0.35	<50	<50	45	<50	90
W423011		0.06	<50	<50	15	<50	50
W423012		<0.05	<50	<50	<5	<50	20
W423013		<0.05	<50	<50	<5	<50	20
W423014		<0.05	<50	<50	6	<50	40
W423015		<0.05	<50	<50	5	<50	50
W423016		<0.05	<50	<50	9	<50	10
W423017		0.06	<50	<50	14	<50	50
W423018		<0.05	<50	<50	6	<50	30
W423019		0.09	<50	<50	18	<50	50
W423020		0.07	<50	<50	14	<50	40
W423021		0.15	<50	<50	20	<50	60
W423022		0.15	<50	<50	22	<50	60
W423023		0.15	<50	<50	22	<50	60
W423024		0.14	<50	<50	21	<50	60
W423025		0.15	<50	<50	24	<50	50
W423026		0.17	<50	<50	26	<50	60
W423027		0.14	<50	<50	22	<50	50
W423028		0.10	<50	<50	18	<50	30
W423029		0.10	<50	<50	18	<50	30
W423030		0.12	<50	<50	20	<50	60
W423031		0.10	<50	<50	19	<50	50
W423032		0.11	<50	<50	20	<50	50
W423033		0.08	<50	<50	20	<50	60
W423034		0.10	<50	<50	19	80	50

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CERTIFICATE OF ANALYSIS WH17178041

Sample Description	Method	WEI-21	Au-ICP22	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.001	1	0.05	10	50	5	10	0.05	5	5	5	5	0.05	50
W423035		5.49	<0.001	<1	1.33	10	130	<5	<10	1.23	<5	<5	14	<5	2.27	<50
W423036		6.35	<0.001	<1	1.56	<10	190	<5	<10	0.82	<5	5	15	<5	2.32	<50
W423037		3.77	<0.001	<1	1.62	10	190	<5	<10	0.77	<5	<5	13	<5	2.33	<50
W423038		3.94	<0.001	<1	1.62	10	190	<5	<10	0.86	<5	<5	14	<5	2.38	<50
W423039		5.60	0.002	<1	0.96	10	80	<5	<10	1.98	<5	5	10	<5	2.33	<50
W423040		6.18	<0.001	<1	1.50	<10	180	<5	<10	0.97	<5	5	13	<5	2.37	<50
W423041		5.45	<0.001	<1	1.13	10	130	<5	<10	1.82	<5	6	10	<5	2.47	<50
W423042		2.75	0.004	<1	0.81	<10	70	<5	<10	4.09	<5	5	7	<5	2.39	<50
W423043		6.08	<0.001	<1	1.54	10	200	<5	<10	0.60	<5	7	13	<5	2.28	<50
W423044		6.21	<0.001	<1	1.60	10	200	<5	<10	0.74	<5	<5	13	<5	2.31	<50
W423045		5.49	<0.001	<1	1.62	<10	200	<5	<10	0.67	<5	<5	13	<5	2.32	<50
W423046		6.15	<0.001	<1	1.61	10	200	<5	<10	0.59	<5	<5	13	<5	2.24	<50
W423047		5.94	<0.001	<1	1.65	10	230	<5	<10	0.62	<5	7	14	<5	2.31	<50
W423048		3.78	<0.001	<1	1.59	10	230	<5	<10	0.60	<5	7	13	6	2.26	<50
W423049		4.51	<0.001	<1	1.54	10	230	<5	<10	0.72	<5	<5	14	<5	2.31	<50
W423050		0.09	0.579	<1	1.58	80	50	<5	<10	0.78	<5	22	53	61	5.06	<50
W423051		5.66	<0.001	<1	1.15	50	160	<5	<10	1.34	<5	<5	10	<5	2.16	<50
W423052		6.28	0.007	<1	1.55	<10	230	<5	<10	0.79	<5	<5	11	5	2.36	<50
W423053		5.35	<0.001	<1	1.63	<10	220	<5	<10	0.93	<5	<5	11	<5	2.44	<50
W423054		6.48	<0.001	<1	1.51	<10	190	<5	<10	0.76	<5	<5	12	<5	2.38	<50
W423055		5.96	<0.001	<1	1.60	<10	220	<5	<10	0.70	<5	<5	11	<5	2.36	<50
W423056		0.08	0.001	<1	<0.05	<10	<50	<5	<10	38.0	<5	<5	<5	<5	<0.05	<50
W423057		5.36	<0.001	<1	1.67	<10	250	<5	<10	0.66	<5	<5	11	<5	2.37	<50
W423058		5.93	0.001	<1	1.51	<10	210	<5	<10	0.93	<5	<5	12	<5	2.25	<50
W423059		6.32	<0.001	<1	1.63	<10	240	<5	<10	0.69	<5	<5	13	<5	2.39	<50
W423060		5.59	<0.001	<1	1.61	<10	230	<5	<10	0.76	<5	<5	12	<5	2.40	<50
W423061		6.16	<0.001	<1	1.61	<10	230	<5	<10	0.83	<5	<5	11	<5	2.39	<50
W423062		6.37	<0.001	<1	1.51	<10	210	<5	<10	0.83	<5	<5	12	<5	2.37	<50
W423093		5.10	0.001	<1	0.66	<10	70	<5	<10	2.24	<5	<5	<5	<5	2.22	<50
W423094		6.11	<0.001	<1	1.44	<10	190	<5	<10	1.01	<5	<5	11	<5	2.36	<50
W423095		5.86	<0.001	<1	1.03	<10	130	<5	<10	1.71	<5	<5	8	<5	2.22	<50
W423096		0.09	0.001	<1	<0.05	<10	<50	<5	<10	38.9	<5	<5	<5	<5	<0.05	<50
W423097		3.82	<0.001	<1	0.81	<10	90	<5	<10	1.76	<5	<5	5	<5	2.21	<50
W423098		3.12	0.001	<1	1.38	<10	200	<5	<10	0.97	<5	<5	12	<5	2.37	<50
W423099		5.57	0.002	<1	0.58	<10	90	<5	<10	2.56	<5	<5	<5	<5	2.39	<50
W423100		5.80	<0.001	<1	0.68	<10	100	<5	<10	1.88	<5	<5	5	<5	2.09	<50
W423101		6.02	<0.001	<1	0.53	<10	110	<5	<10	1.97	<5	<5	<5	<5	2.19	<50
W423102		4.24	<0.001	<1	0.80	<10	140	<5	<10	2.28	<5	<5	7	<5	2.57	<50
W423103		3.57	0.001	<1	0.75	<10	90	<5	<10	2.43	<5	<5	6	<5	2.25	<50
W423104		6.00	<0.001	<1	1.52	<10	250	<5	<10	0.91	<5	<5	13	<5	2.41	<50

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

ALS Canada Ltd.
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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178041

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	5	0.05	50	0.05	30	5	0.05	5	50	10	0.05	10	5	5	100
W423035		<5	0.65	<50	0.52	410	<5	0.09	<5	520	20	<0.05	<10	<5	133	<100
W423036		<5	0.87	<50	0.55	390	<5	0.12	11	520	10	<0.05	<10	<5	86	<100
W423037		<5	0.91	<50	0.58	410	<5	0.12	6	530	20	<0.05	<10	<5	84	<100
W423038		<5	0.88	<50	0.56	410	<5	0.13	<5	540	20	<0.05	<10	<5	97	<100
W423039		<5	0.36	50	0.49	430	<5	<0.05	<5	540	20	<0.05	<10	<5	154	<100
W423040		<5	0.79	<50	0.55	410	<5	0.11	<5	560	20	<0.05	<10	<5	121	<100
W423041		<5	0.51	<50	0.53	430	<5	0.06	5	520	20	<0.05	<10	<5	200	<100
W423042		5	0.28	<50	0.58	480	<5	<0.05	<5	520	30	0.05	<10	<5	448	<100
W423043		<5	0.89	<50	0.59	400	<5	0.10	<5	550	30	<0.05	<10	<5	57	<100
W423044		<5	0.85	<50	0.58	410	<5	0.12	7	550	20	<0.05	<10	<5	67	<100
W423045		<5	0.86	<50	0.58	410	<5	0.13	<5	540	10	<0.05	<10	<5	70	<100
W423046		<5	0.88	<50	0.56	400	<5	0.14	<5	530	20	<0.05	<10	<5	70	<100
W423047		<5	0.92	<50	0.57	410	<5	0.14	<5	560	30	<0.05	<10	<5	68	<100
W423048		<5	0.89	<50	0.56	410	<5	0.13	5	520	40	<0.05	<10	<5	63	<100
W423049		<5	0.85	<50	0.56	420	<5	0.12	<5	530	20	<0.05	<10	<5	64	<100
W423050		<5	0.34	<50	1.42	430	<5	0.58	82	1090	30	2.29	<10	<5	201	<100
W423051		<5	0.55	<50	0.47	400	<5	0.06	<5	500	20	<0.05	<10	<5	107	<100
W423052		<5	0.83	50	0.57	410	<5	0.10	<5	550	20	<0.05	<10	<5	63	<100
W423053		<5	0.80	50	0.59	440	<5	0.10	<5	560	10	<0.05	<10	<5	65	<100
W423054		<5	0.72	<50	0.58	420	<5	0.10	<5	520	10	<0.05	<10	<5	60	<100
W423055		<5	0.81	<50	0.58	410	<5	0.12	<5	530	10	<0.05	<10	<5	62	<100
W423056		<5	<0.05	<50	0.14	40	<5	<0.05	<5	<50	<10	<0.05	10	<5	987	<100
W423057		<5	0.91	<50	0.58	400	<5	0.14	<5	570	10	<0.05	10	<5	71	<100
W423058		<5	0.80	<50	0.56	390	<5	0.10	<5	520	10	<0.05	<10	<5	77	<100
W423059		<5	0.85	<50	0.60	400	<5	0.13	<5	540	10	<0.05	<10	<5	80	<100
W423060		<5	0.78	50	0.60	410	<5	0.12	<5	560	10	<0.05	<10	<5	74	<100
W423061		<5	0.78	<50	0.57	400	<5	0.12	<5	560	10	<0.05	<10	<5	82	<100
W423062		<5	0.75	<50	0.56	390	<5	0.10	<5	560	10	<0.05	<10	<5	78	<100
W423093		<5	0.40	<50	0.40	1220	<5	<0.05	<5	550	20	<0.05	<10	<5	149	<100
W423094		<5	0.65	<50	0.55	440	<5	0.09	<5	560	10	<0.05	<10	<5	103	<100
W423095		<5	0.51	<50	0.45	980	<5	<0.05	<5	490	20	<0.05	<10	<5	108	<100
W423096		<5	<0.05	<50	0.14	40	<5	<0.05	<5	<50	<10	<0.05	<10	<5	1015	<100
W423097		5	0.36	50	0.41	700	<5	<0.05	<5	550	30	<0.05	<10	<5	120	<100
W423098		<5	0.66	<50	0.52	430	<5	0.09	<5	550	20	<0.05	<10	<5	89	<100
W423099		<5	0.32	<50	0.54	1580	<5	<0.05	<5	520	20	<0.05	<10	<5	120	<100
W423100		<5	0.40	<50	0.37	970	<5	<0.05	<5	570	20	<0.05	<10	<5	120	<100
W423101		<5	0.56	<50	0.38	1530	<5	<0.05	<5	520	20	0.16	<10	<5	96	<100
W423102		<5	0.53	<50	0.48	1710	<5	<0.05	<5	510	30	0.20	<10	<5	110	<100
W423103		<5	0.48	<50	0.43	1720	<5	<0.05	<5	530	20	<0.05	<10	<5	143	<100
W423104		<5	0.77	50	0.60	420	<5	0.10	<5	560	<10	<0.05	10	<5	90	<100

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178041

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Ti	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	50	50	5	50	10
W423035		0.10	<50	<50	19	<50	60
W423036		0.15	<50	<50	23	<50	60
W423037		0.17	<50	<50	23	<50	60
W423038		0.15	<50	<50	23	<50	60
W423039		<0.05	<50	<50	13	<50	60
W423040		0.13	<50	<50	21	<50	60
W423041		0.06	<50	<50	16	<50	60
W423042		<0.05	<50	<50	10	<50	60
W423043		0.18	<50	<50	23	<50	60
W423044		0.16	<50	<50	22	<50	60
W423045		0.18	<50	<50	22	<50	60
W423046		0.18	<50	<50	22	<50	60
W423047		0.20	<50	<50	24	<50	60
W423048		0.19	<50	<50	23	<50	120
W423049		0.18	<50	<50	23	<50	60
W423050		0.42	<50	<50	55	<50	90
W423051		0.10	<50	<50	17	<50	60
W423052		0.18	<50	<50	20	<50	50
W423053		0.17	<50	<50	18	<50	40
W423054		0.17	<50	<50	20	<50	40
W423055		0.18	<50	<50	20	<50	40
W423056		<0.05	<50	<50	6	<50	<10
W423057		0.21	<50	<50	20	<50	40
W423058		0.17	<50	<50	19	<50	30
W423059		0.20	<50	<50	21	<50	40
W423060		0.20	<50	<50	22	<50	40
W423061		0.19	<50	<50	20	<50	40
W423062		0.18	<50	<50	21	<50	40
W423093		<0.05	<50	<50	<5	<50	60
W423094		0.13	<50	<50	18	<50	30
W423095		0.06	<50	<50	10	<50	60
W423096		<0.05	<50	<50	5	<50	<10
W423097		<0.05	<50	<50	5	<50	50
W423098		0.12	<50	<50	18	<50	30
W423099		<0.05	<50	<50	<5	<50	80
W423100		<0.05	<50	<50	5	<50	40
W423101		<0.05	<50	<50	<5	<50	160
W423102		<0.05	<50	<50	7	<50	60
W423103		<0.05	<50	<50	5	<50	100
W423104		0.17	<50	<50	21	<50	40

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178041

Sample Description	Method	WEI-21	Au-ICP22	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.001	1	0.05	10	50	5	10	0.05	5	5	5	5	0.05	50
W423105		6.47	<0.001	<1	1.51	<10	230	<5	<10	0.91	<5	<5	14	<5	2.36	<50
W423106		5.73	<0.001	<1	1.52	<10	260	<5	<10	0.92	<5	<5	12	<5	2.33	<50
W423107		5.96	0.003	<1	1.22	<10	210	<5	<10	1.43	<5	<5	12	<5	2.33	<50
W423108		4.22	<0.001	<1	1.23	<10	140	<5	<10	1.70	<5	<5	10	<5	2.36	<50
W423109		2.75	<0.001	<1	1.33	<10	200	<5	<10	1.14	<5	<5	11	<5	2.37	<50
W423110		0.08	0.567	1	1.65	70	50	<5	<10	0.81	<5	15	53	52	5.15	<50
W423111		6.09	0.004	1	0.91	10	100	<5	<10	2.31	<5	<5	6	<5	2.49	<50
W423112		4.49	<0.001	<1	0.82	10	80	<5	<10	1.54	<5	<5	7	<5	2.45	<50

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178041

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	5	0.05	50	0.05	30	5	0.05	5	50	10	0.05	10	5	5	100
W423105		<5	0.71	<50	0.57	410	<5	0.11	<5	570	<10	<0.05	<10	<5	82	<100
W423106		<5	0.79	50	0.57	380	<5	0.11	<5	600	10	<0.05	<10	<5	71	<100
W423107		<5	0.68	<50	0.52	950	<5	0.08	<5	540	10	<0.05	<10	<5	81	<100
W423108		<5	0.48	50	0.52	630	<5	0.06	<5	550	<10	<0.05	<10	<5	100	<100
W423109		<5	0.59	<50	0.52	580	<5	0.08	<5	580	<10	<0.05	<10	<5	94	<100
W423110		<5	0.34	<50	1.44	420	<5	0.59	71	1080	30	2.33	<10	<5	204	<100
W423111		<5	0.46	<50	0.48	1280	<5	<0.05	<5	530	10	0.05	<10	<5	161	<100
W423112		<5	0.28	50	0.48	490	<5	<0.05	<5	530	10	<0.05	<10	<5	145	<100

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178041

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Ti	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	50	50	5	50	10
W423105		0.17	<50	<50	18	<50	30
W423106		0.18	<50	<50	20	<50	30
W423107		0.13	<50	<50	14	<50	20
W423108		0.06	<50	<50	12	<50	30
W423109		0.12	<50	<50	15	<50	30
W423110		0.43	<50	<50	52	<50	70
W423111		<0.05	<50	<50	6	<50	90
W423112		<0.05	<50	<50	10	<50	30

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

ALS Canada Ltd.

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178041

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
CRU-31	CRU-QC	LOG-21d	LOG-22	
LOG-23	PUL-32	PUL-32d	PUL-QC	
SPL-21	SPL-21d	WEI-21		

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

Applies to Method:			
Au-ICP22	ME-ICP41a		

ALS Canada Ltd.

2103 Dollarton Hwy
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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 25-SEP-2017
Account: ZONMET

CERTIFICATE WH17178039

Project: McConnells Jest

This report is for 200 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 18-AUG-2017.

The following have access to data associated with this certificate:

TERRY CHRISTOPHER		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-32d	Pulverize Split -Dup 85% <75um
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
DRY-22	Drying - Maximum Temp 60C
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate

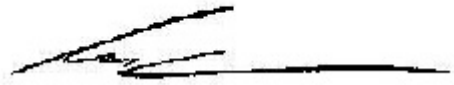
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP22	Au 50g FA ICP-AES finish	ICP-AES
ME-ICP41a	High Grade Aqua Regia ICP-AES	ICP-AES

To: **ZONTE METALS**
ATTN: TERRY CHRISTOPHER
SUITE 279 - 103 - 27 LACEWOOD DRIVE
HALIFAX NS B3M 3Y7

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 25-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178039

Sample Description	Method	WEI-21	Au-ICP22	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.001	1	0.05	10	50	5	10	0.05	5	5	5	5	0.05	50
W423136		6.19	<0.001	<1	1.33	<10	290	<5	10	0.64	<5	<5	12	8	2.24	<50
W423137		5.83	<0.001	<1	1.45	<10	330	<5	<10	0.63	<5	<5	13	<5	2.35	<50
W423138		2.29	0.014	<1	1.22	140	280	<5	<10	0.86	<5	<5	13	14	2.92	<50
W423139		1.52	0.004	<1	0.95	10	210	<5	<10	1.41	<5	<5	11	7	2.24	<50
W423140		5.93	<0.001	<1	1.40	<10	310	<5	<10	0.65	<5	<5	13	5	2.29	<50
W423141		5.97	0.028	<1	1.25	<10	250	<5	10	0.72	<5	5	16	8	2.18	<50
W423142		4.11	0.003	<1	1.11	<10	250	<5	10	0.96	<5	<5	14	9	2.06	<50
W423143		2.64	<0.001	<1	1.29	<10	290	<5	<10	0.66	<5	<5	16	<5	2.19	<50
W423144		1.92	0.091	<1	0.71	10	220	<5	10	2.71	<5	5	10	14	1.55	<50
W423145		6.42	<0.001	<1	1.41	10	330	<5	<10	0.71	<5	<5	14	<5	2.20	<50
W423146		5.62	0.002	<1	1.20	20	270	<5	<10	0.77	<5	<5	14	15	2.17	<50
W423147		4.65	0.011	<1	0.94	50	170	<5	<10	1.06	<5	5	13	18	2.16	<50
W423148		3.88	0.122	1	0.69	9200	180	<5	<10	2.38	<5	10	8	43	4.14	<50
W423149		5.64	<0.001	<1	1.24	20	260	<5	<10	0.69	<5	<5	15	10	2.23	<50
W423150		0.08	0.996	2	1.34	100	50	<5	<10	0.65	<5	17	48	76	4.72	<50
W423151		5.52	0.004	1	1.20	20	250	<5	<10	0.58	<5	5	15	8	2.09	<50
W423152		5.91	0.003	<1	1.07	20	230	<5	<10	0.93	<5	<5	16	5	1.96	<50
W423153		3.54	<0.001	<1	0.99	10	180	<5	<10	0.80	<5	<5	13	11	1.84	<50
W423154		4.65	0.129	<1	0.67	520	180	<5	<10	2.18	<5	<5	8	27	1.66	<50
W423155		3.40	0.032	<1	0.62	580	110	<5	<10	6.54	<5	<5	5	14	1.79	<50
W423156		0.07	<0.001	<1	<0.05	20	<50	<5	<10	38.2	<5	<5	<5	<5	<0.05	<50
W423157		3.86	<0.001	<1	1.45	<10	360	<5	<10	0.74	<5	6	13	<5	2.34	<50
W423158		3.82	<0.001	<1	1.38	10	330	<5	<10	0.79	<5	<5	12	<5	2.22	<50
W423159		2.05	0.009	<1	0.88	30	240	<5	<10	2.08	<5	<5	8	11	2.00	<50
W423160		4.01	<0.001	1	1.42	10	350	<5	<10	0.73	<5	<5	15	<5	2.16	<50
W423161		3.37	<0.001	1	1.42	20	360	<5	<10	0.78	<5	<5	13	<5	2.29	<50
W423162		3.29	<0.001	<1	1.39	20	390	<5	<10	0.78	<5	7	13	<5	2.20	<50
W423163		4.50	0.115	<1	0.78	3810	190	<5	<10	2.02	<5	<5	8	6	2.15	<50
W423164		2.71	0.065	1	0.56	450	170	<5	<10	2.57	<5	5	6	20	1.72	<50
W423165		3.59	<0.001	<1	0.87	20	210	<5	<10	2.09	<5	<5	9	<5	1.62	<50
W423166		3.32	<0.001	1	0.98	20	210	<5	<10	2.58	<5	5	8	<5	1.74	<50
W423167		5.40	<0.001	<1	1.05	30	280	<5	<10	1.32	<5	5	12	7	1.91	<50
W423168		4.36	<0.001	<1	1.51	20	370	<5	<10	0.63	<5	5	15	<5	2.26	<50
W423169		<0.02	<0.001	<1	1.56	10	380	<5	<10	0.65	<5	<5	14	<5	2.34	<50
W423170		5.98	<0.001	<1	1.51	<10	350	<5	<10	0.64	<5	5	16	<5	2.21	<50
W423171		1.93	0.570	<1	0.76	1990	200	<5	<10	2.24	<5	5	10	11	2.53	<50
W423172		5.70	<0.001	1	1.59	30	380	<5	<10	0.64	<5	<5	17	<5	2.34	<50
W423173		6.35	<0.001	1	1.50	<10	350	<5	<10	0.91	<5	<5	13	<5	2.40	<50
W423174		3.87	<0.001	<1	1.60	30	390	<5	<10	0.62	<5	<5	15	<5	2.44	<50
W423175		1.82	0.472	<1	0.59	160	180	<5	<10	2.59	<5	<5	7	13	1.94	<50

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 25-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178039

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	5	0.05	50	0.05	30	5	0.05	5	50	10	0.05	10	5	5	100
W423136		<5	0.70	50	0.39	350	<5	0.11	<5	420	10	0.26	20	<5	47	<100
W423137		6	0.82	50	0.39	360	<5	0.12	<5	420	10	0.07	10	5	47	<100
W423138		<5	0.67	<50	0.34	410	<5	0.08	<5	380	20	0.94	10	<5	38	<100
W423139		<5	0.44	<50	0.27	390	<5	<0.05	<5	440	20	0.36	10	<5	61	<100
W423140		<5	0.74	50	0.40	380	<5	0.11	<5	430	20	0.20	10	5	48	<100
W423141		<5	0.64	50	0.37	350	<5	0.10	<5	420	10	0.23	10	<5	45	<100
W423142		6	0.61	<50	0.33	350	<5	0.08	<5	410	20	0.17	<10	<5	61	<100
W423143		<5	0.65	50	0.39	350	<5	0.08	5	420	20	0.05	<10	<5	43	<100
W423144		<5	0.42	<50	0.16	490	<5	<0.05	<5	400	10	0.30	20	<5	90	<100
W423145		<5	0.74	<50	0.38	370	<5	0.12	<5	410	20	0.05	<10	<5	51	<100
W423146		<5	0.62	<50	0.37	330	<5	0.11	9	400	20	0.27	20	<5	60	<100
W423147		<5	0.41	50	0.33	300	<5	0.09	5	430	20	0.67	<10	<5	65	<100
W423148		<5	0.36	<50	0.17	500	<5	0.05	<5	370	20	2.40	10	<5	87	<100
W423149		<5	0.60	50	0.39	360	<5	0.11	8	420	10	0.34	10	<5	59	<100
W423150		<5	0.33	<50	1.18	370	<5	0.53	66	900	60	2.55	10	<5	147	<100
W423151		<5	0.60	<50	0.36	340	<5	0.12	<5	400	<10	0.41	<10	<5	50	<100
W423152		<5	0.52	50	0.32	360	<5	0.08	7	390	10	0.17	10	<5	61	<100
W423153		<5	0.45	50	0.35	280	<5	0.07	6	410	20	0.24	<10	<5	43	<100
W423154		<5	0.32	<50	0.24	410	<5	<0.05	5	400	10	0.44	10	<5	79	<100
W423155		<5	0.27	<50	0.43	850	<5	<0.05	5	390	<10	0.54	10	<5	235	<100
W423156		<5	<0.05	<50	0.14	50	<5	<0.05	5	60	<10	0.05	<10	<5	984	<100
W423157		<5	0.75	50	0.38	380	<5	0.12	<5	410	10	<0.05	<10	5	58	<100
W423158		<5	0.68	50	0.36	350	<5	0.11	8	390	10	<0.05	<10	5	70	<100
W423159		<5	0.45	<50	0.28	540	<5	0.05	9	400	20	0.33	<10	<5	118	<100
W423160		<5	0.70	50	0.38	330	<5	0.14	<5	430	20	0.06	10	5	59	<100
W423161		<5	0.71	50	0.40	360	<5	0.12	<5	420	10	0.06	<10	<5	71	<100
W423162		<5	0.72	50	0.40	350	<5	0.11	6	410	10	0.05	<10	5	67	<100
W423163		<5	0.39	<50	0.26	540	<5	<0.05	<5	390	20	0.67	10	<5	109	<100
W423164		<5	0.32	<50	0.22	590	<5	<0.05	5	410	10	0.54	10	<5	122	<100
W423165		<5	0.22	<50	0.53	390	<5	0.12	8	410	10	<0.05	20	<5	108	<100
W423166		<5	0.28	60	0.53	380	<5	0.11	8	530	<10	<0.05	<10	6	142	<100
W423167		<5	0.43	<50	0.26	280	<5	0.08	5	370	<10	0.14	10	<5	95	<100
W423168		<5	0.79	50	0.40	370	<5	0.14	6	400	10	<0.05	10	5	58	<100
W423169		<5	0.80	50	0.39	380	<5	0.16	9	410	<10	0.05	<10	5	59	<100
W423170		<5	0.76	50	0.40	350	<5	0.15	<5	400	10	0.12	10	5	60	<100
W423171		<5	0.36	<50	0.17	510	<5	<0.05	9	360	<10	1.39	10	<5	74	<100
W423172		<5	0.85	50	0.41	390	<5	0.15	<5	440	10	0.09	10	5	61	<100
W423173		<5	0.78	50	0.42	390	<5	0.11	8	420	10	0.14	10	5	70	<100
W423174		<5	0.85	50	0.44	390	<5	0.14	7	430	<10	0.05	<10	5	53	<100
W423175		<5	0.39	<50	0.23	750	<5	<0.05	6	430	10	0.41	<10	<5	112	<100

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 25-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178039

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Ti	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	50	50	5	50	10
W423136		0.15	<50	<50	20	<50	60
W423137		0.16	<50	<50	19	<50	60
W423138		0.13	<50	<50	18	<50	70
W423139		0.07	<50	<50	10	<50	60
W423140		0.16	<50	<50	20	<50	70
W423141		0.14	<50	<50	19	<50	60
W423142		0.12	<50	<50	16	<50	60
W423143		0.14	<50	<50	18	<50	60
W423144		<0.05	<50	<50	5	<50	30
W423145		0.15	<50	<50	19	<50	70
W423146		0.13	<50	<50	17	<50	70
W423147		0.09	<50	<50	13	<50	60
W423148		<0.05	<50	<50	6	<50	480
W423149		0.14	<50	<50	18	<50	70
W423150		0.34	<50	<50	42	<50	130
W423151		0.13	<50	<50	18	<50	70
W423152		0.11	<50	<50	14	<50	60
W423153		0.11	<50	<50	15	<50	50
W423154		<0.05	<50	<50	6	<50	20
W423155		<0.05	<50	<50	11	1170	10
W423156		<0.05	<50	<50	6	<50	10
W423157		0.15	<50	<50	20	<50	70
W423158		0.13	<50	<50	19	<50	70
W423159		<0.05	<50	<50	9	<50	40
W423160		0.15	<50	<50	20	<50	50
W423161		0.15	<50	<50	19	<50	60
W423162		0.15	<50	<50	20	<50	60
W423163		<0.05	<50	<50	7	<50	50
W423164		<0.05	<50	<50	<5	<50	20
W423165		0.13	<50	<50	25	50	30
W423166		0.09	<50	<50	28	80	30
W423167		0.07	<50	<50	13	<50	40
W423168		0.16	<50	<50	22	<50	70
W423169		0.16	<50	<50	21	<50	70
W423170		0.16	<50	<50	21	<50	60
W423171		<0.05	<50	<50	7	<50	30
W423172		0.17	<50	<50	23	<50	80
W423173		0.15	<50	<50	20	<50	70
W423174		0.17	<50	<50	22	<50	80
W423175		<0.05	<50	<50	<5	<50	40

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 25-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178039

Sample Description	Method	WEI-21	Au-ICP22	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.001	1	0.05	10	50	5	10	0.05	5	5	5	5	0.05	50
W423176		6.03	<0.001	1	1.38	10	310	<5	<10	1.00	<5	<5	15	6	2.29	<50
W423177		1.66	0.335	<1	0.50	17050	160	<5	<10	3.09	<5	9	6	<5	5.24	<50
W423178		5.74	<0.001	1	1.34	10	310	<5	<10	0.74	<5	<5	14	5	2.26	<50
W423179		6.10	<0.001	<1	1.55	20	410	<5	<10	0.63	<5	<5	14	<5	2.38	<50
W423180		5.69	<0.001	1	1.52	10	410	<5	<10	0.62	<5	<5	19	<5	2.28	<50
W423181		5.26	<0.001	<1	1.46	10	370	<5	<10	0.78	<5	<5	14	5	2.27	<50
W423182		6.24	0.025	<1	0.54	20	90	<5	<10	2.86	<5	6	6	32	2.08	<50
W423183		5.99	0.001	<1	0.54	60	70	<5	<10	3.22	<5	5	6	12	2.05	<50
W423184		4.34	0.001	<1	0.56	30	70	<5	<10	2.97	<5	<5	6	12	2.17	<50
W423185		6.58	<0.001	<1	1.08	10	250	<5	<10	0.92	<5	<5	11	15	2.18	<50
W423186		4.45	<0.001	1	1.00	20	250	<5	<10	0.94	<5	<5	12	13	1.99	<50
W423187		1.56	0.141	<1	0.66	60	190	<5	<10	2.24	<5	<5	8	18	2.05	<50
W423188		4.08	<0.001	<1	1.29	10	330	<5	<10	0.82	<5	6	13	<5	2.14	<50
W423189		4.61	0.007	<1	0.54	30	90	<5	<10	2.85	<5	6	7	15	2.09	<50
W423190		0.07	0.566	1	1.57	70	50	<5	<10	0.73	<5	23	50	61	4.93	<50
W423191		2.66	0.826	1	0.87	6040	220	<5	150	1.01	<5	5	9	11	7.37	<50
W423192		5.68	<0.001	<1	1.40	30	340	<5	<10	0.77	<5	<5	13	7	2.24	<50
W423193		6.10	<0.001	<1	1.57	10	390	<5	<10	0.57	<5	<5	15	<5	2.30	<50
W423194		5.88	<0.001	<1	1.40	20	350	<5	<10	0.74	<5	<5	14	<5	2.19	<50
W423195		3.13	0.128	<1	1.11	1030	230	<5	<10	1.24	<5	<5	12	<5	2.54	<50
W423196		0.09	<0.001	<1	<0.05	20	<50	<5	<10	37.0	<5	<5	<5	<5	<0.05	<50
W423197		6.39	<0.001	<1	1.53	30	370	<5	<10	0.69	<5	<5	14	<5	2.31	<50
W423198		1.63	0.009	<1	0.58	530	180	<5	<10	2.15	<5	<5	7	<5	1.47	<50
W423199		5.02	<0.001	1	1.54	20	350	<5	<10	0.58	<5	<5	13	<5	2.36	<50
W423200		6.71	<0.001	<1	1.47	10	330	<5	<10	0.53	<5	<5	13	5	2.29	<50
W423201		2.10	<0.001	<1	1.27	40	300	<5	<10	0.84	<5	<5	12	<5	2.20	<50
W423202		1.41	0.036	1	0.82	60	220	<5	<10	1.96	<5	<5	9	<5	2.00	<50
W423203		5.78	<0.001	1	1.16	20	280	<5	<10	0.99	<5	6	13	6	2.00	<50
W423204		2.27	0.394	<1	0.62	30	180	<5	<10	2.39	<5	<5	8	<5	1.66	<50
W423205		5.08	<0.001	<1	1.20	20	270	<5	<10	0.83	<5	<5	13	<5	2.10	<50
W423206		2.57	<0.001	2	1.29	50	290	<5	<10	1.96	<5	<5	14	5	2.21	<50
W423207		5.17	<0.001	<1	1.42	20	340	<5	<10	0.81	<5	<5	17	<5	2.28	<50
W423208		3.98	<0.001	<1	1.41	20	330	<5	<10	0.86	<5	<5	15	<5	2.34	<50
W423209		4.31	<0.001	<1	1.63	10	370	<5	<10	0.65	<5	6	16	<5	2.36	<50
W423210		0.07	0.838	1	1.38	80	50	<5	<10	0.66	<5	18	43	84	4.69	<50
W423211		4.06	<0.001	<1	1.53	20	340	<5	<10	0.72	<5	<5	15	<5	2.45	<50
W423212		1.96	<0.001	<1	0.94	10	150	<5	<10	2.49	<5	6	11	<5	1.94	<50
W423213		5.87	0.003	1	1.38	<10	270	<5	<10	1.02	<5	<5	15	<5	2.34	<50
W423214		5.93	0.003	<1	1.38	<10	290	<5	<10	0.92	<5	<5	16	<5	2.28	<50
W423215		4.08	0.045	<1	0.55	30	130	<5	<10	1.96	<5	<5	9	<5	1.49	<50

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 25-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178039

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	5	0.05	50	0.05	30	5	0.05	5	50	10	0.05	10	5	5	100
W423176		<5	0.66	50	0.39	370	<5	0.10	<5	400	20	0.09	10	<5	68	<100
W423177		<5	0.34	<50	0.25	760	<5	<0.05	7	370	<10	3.66	20	<5	133	<100
W423178		<5	0.65	50	0.40	330	<5	0.10	<5	410	20	0.25	10	<5	63	<100
W423179		<5	0.79	<50	0.44	370	<5	0.13	7	410	20	0.05	<10	5	52	<100
W423180		<5	0.82	50	0.42	360	<5	0.11	7	400	10	<0.05	10	5	58	<100
W423181		<5	0.72	50	0.38	330	<5	0.12	8	430	<10	0.08	10	5	62	<100
W423182		<5	0.32	50	0.68	480	<5	<0.05	15	380	30	0.05	<10	<5	146	<100
W423183		<5	0.21	<50	0.72	480	<5	<0.05	10	360	20	0.09	20	<5	140	<100
W423184		<5	0.18	50	0.64	420	<5	<0.05	<5	410	20	0.06	<10	<5	183	<100
W423185		<5	0.51	50	0.36	300	<5	0.08	5	410	10	0.34	<10	<5	80	<100
W423186		<5	0.52	<50	0.34	320	<5	0.06	7	370	20	0.34	10	<5	59	<100
W423187		<5	0.47	<50	0.28	720	<5	<0.05	7	380	10	0.39	10	<5	107	<100
W423188		<5	0.70	50	0.36	370	<5	0.09	12	410	10	0.05	<10	<5	61	<100
W423189		<5	0.17	50	0.56	440	<5	<0.05	<5	430	20	0.10	<10	<5	121	<100
W423190		<5	0.35	<50	1.36	420	<5	0.57	81	1040	40	2.27	10	<5	200	<100
W423191		<5	0.46	<50	0.26	330	<5	<0.05	10	340	30	6.39	10	<5	58	<100
W423192		<5	0.74	50	0.38	440	<5	0.11	<5	420	10	0.13	<10	5	58	<100
W423193		<5	0.85	50	0.40	370	<5	0.13	5	400	10	<0.05	<10	5	51	<100
W423194		<5	0.76	<50	0.37	360	<5	0.10	<5	400	10	0.05	10	<5	51	<100
W423195		<5	0.49	<50	0.26	340	<5	0.05	10	410	10	0.73	10	<5	46	<100
W423196		<5	<0.05	<50	0.14	50	<5	<0.05	<5	60	<10	0.05	<10	<5	959	<100
W423197		<5	0.84	50	0.40	390	<5	0.12	10	400	10	0.05	10	5	54	<100
W423198		<5	0.39	<50	0.14	600	<5	<0.05	<5	410	<10	0.33	<10	<5	83	<100
W423199		<5	0.82	50	0.42	390	<5	0.12	9	420	10	<0.05	<10	5	59	<100
W423200		<5	0.79	50	0.39	370	<5	0.11	10	390	10	<0.05	<10	5	48	<100
W423201		<5	0.68	50	0.36	390	<5	0.08	5	410	10	0.10	10	<5	50	<100
W423202		<5	0.48	<50	0.36	780	<5	<0.05	7	360	10	0.24	<10	<5	72	<100
W423203		<5	0.63	50	0.37	340	<5	0.07	8	400	10	0.10	10	<5	57	<100
W423204		<5	0.42	<50	0.26	830	<5	<0.05	<5	400	<10	0.31	<10	<5	114	<100
W423205		<5	0.63	50	0.37	350	<5	0.07	5	400	10	0.07	<10	<5	52	<100
W423206		<5	0.67	50	0.38	380	<5	0.06	8	410	20	<0.05	10	<5	52	<100
W423207		<5	0.81	50	0.40	360	<5	0.09	<5	410	10	<0.05	10	5	44	<100
W423208		<5	0.81	50	0.40	370	<5	0.09	<5	420	20	0.07	<10	5	50	<100
W423209		<5	0.88	50	0.43	390	<5	0.14	8	430	10	0.05	10	5	54	<100
W423210		<5	0.31	<50	1.14	360	<5	0.49	68	860	30	2.56	10	<5	177	<100
W423211		<5	0.81	50	0.42	390	<5	0.11	<5	440	10	0.10	10	5	53	<100
W423212		<5	0.42	50	0.18	610	<5	<0.05	6	420	20	0.47	<10	<5	89	<100
W423213		<5	0.68	50	0.39	470	<5	0.08	5	440	20	0.05	10	<5	65	<100
W423214		<5	0.70	50	0.41	370	<5	0.08	<5	440	10	0.09	10	<5	60	<100
W423215		<5	0.36	<50	0.21	560	<5	<0.05	<5	290	10	0.42	<10	<5	96	<100

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 25-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178039

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Ti	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	50	50	5	50	10
W423176		0.13	<50	<50	18	<50	110
W423177		<0.05	<50	<50	<5	<50	20
W423178		0.13	<50	<50	19	<50	80
W423179		0.15	<50	<50	20	<50	90
W423180		0.15	<50	<50	21	<50	70
W423181		0.13	<50	<50	18	<50	70
W423182		<0.05	<50	<50	<5	<50	60
W423183		<0.05	<50	<50	<5	<50	50
W423184		<0.05	<50	<50	5	<50	50
W423185		0.10	<50	<50	16	<50	50
W423186		0.10	<50	<50	14	<50	60
W423187		<0.05	<50	<50	6	<50	30
W423188		0.12	<50	<50	16	<50	60
W423189		<0.05	<50	<50	5	<50	50
W423190		0.41	<50	<50	50	<50	90
W423191		0.05	<50	<50	10	<50	50
W423192		0.14	<50	<50	19	<50	90
W423193		0.16	<50	<50	21	<50	70
W423194		0.14	<50	<50	18	<50	70
W423195		0.07	<50	<50	11	<50	60
W423196		<0.05	<50	<50	8	<50	<10
W423197		0.16	<50	<50	20	<50	70
W423198		<0.05	<50	<50	<5	<50	40
W423199		0.16	<50	<50	21	<50	80
W423200		0.16	<50	<50	21	<50	70
W423201		0.13	<50	<50	17	<50	70
W423202		0.07	<50	<50	10	<50	40
W423203		0.13	<50	<50	18	<50	50
W423204		<0.05	<50	<50	<5	<50	30
W423205		0.13	<50	<50	16	<50	70
W423206		0.12	<50	<50	17	<50	70
W423207		0.14	<50	<50	19	<50	70
W423208		0.14	<50	<50	19	<50	70
W423209		0.17	<50	<50	23	<50	80
W423210		0.34	<50	<50	44	<50	100
W423211		0.16	<50	<50	22	<50	70
W423212		<0.05	<50	<50	7	<50	70
W423213		0.12	<50	<50	19	<50	80
W423214		0.13	<50	<50	19	<50	80
W423215		<0.05	<50	<50	<5	<50	40

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

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Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178039

Sample Description	Method	WEI-21	Au-ICP22	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.001	1	0.05	10	50	5	10	0.05	5	5	5	5	0.05	50
W423216		0.06	0.005	<1	<0.05	<10	<50	<5	<10	37.4	<5	<5	<5	<5	<0.05	<50
W423217		3.77	0.002	<1	1.37	30	290	<5	<10	0.86	<5	5	16	<5	2.25	<50
W423218		2.98	0.002	<1	1.42	<10	310	<5	<10	0.72	<5	<5	17	<5	2.41	<50
W423219		3.86	0.838	<1	1.07	3130	230	<5	<10	1.43	<5	<5	14	9	2.47	<50
W423220		2.08	3.82	<1	1.09	1070	240	<5	20	1.07	<5	<5	16	<5	3.98	<50
W423221		2.27	0.084	<1	1.20	40	250	<5	<10	1.02	<5	<5	15	<5	2.22	<50
W423222		2.23	0.176	<1	1.14	60	250	<5	<10	1.16	<5	5	15	<5	2.16	<50
W423223		6.95	0.011	<1	1.06	110	230	<5	10	1.24	<5	6	16	<5	1.80	<50
W423224		1.20	0.001	<1	1.04	<10	200	<5	<10	1.24	<5	<5	13	<5	1.84	<50
W423225		2.80	0.005	<1	1.42	<10	280	<5	10	0.51	<5	<5	18	<5	2.38	<50
W423226		2.73	0.029	<1	0.82	<10	200	<5	<10	2.40	<5	<5	11	6	1.49	<50
W423227		2.91	1.075	<1	0.76	7540	150	<5	20	1.90	<5	<5	12	5	2.20	<50
W423228		3.34	0.580	<1	0.90	500	260	<5	10	1.99	<5	<5	17	7	2.37	<50
W423229		<0.02	0.124	<1	0.91	400	260	<5	<10	2.01	<5	<5	13	5	2.29	<50
W423230		4.36	0.002	<1	1.33	<10	270	<5	<10	0.61	<5	<5	18	<5	2.27	<50
W423231		6.61	0.005	<1	1.28	<10	250	<5	10	0.81	<5	<5	19	<5	2.21	<50
W423232		5.18	0.005	<1	1.30	<10	270	<5	<10	0.68	<5	5	18	<5	2.18	<50
W423233		3.55	0.557	<1	0.89	4120	230	<5	<10	1.22	<5	6	15	93	4.58	<50
W423234		3.24	0.003	<1	1.48	<10	310	<5	<10	0.55	<5	<5	18	<5	2.35	<50
W423235		3.87	0.167	<1	1.28	1660	270	<5	<10	0.88	<5	5	17	<5	2.38	<50
W423236		1.90	0.005	<1	1.31	270	230	<5	<10	1.22	<5	6	13	<5	2.15	<50
W423237		5.38	0.003	<1	1.61	<10	290	<5	<10	0.72	<5	7	22	<5	2.26	<50
W423238		5.76	0.001	<1	1.63	<10	300	<5	<10	0.83	<5	<5	17	<5	2.22	<50
W423239		4.29	0.202	<1	1.21	<10	230	<5	<10	1.41	<5	5	16	7	2.09	<50
W423240		3.61	0.001	<1	1.63	<10	300	<5	<10	0.74	<5	5	18	<5	2.24	<50
W423241		4.00	0.224	<1	1.11	6220	210	<5	<10	1.96	<5	8	12	15	2.79	<50
W423242		6.29	0.032	<1	1.57	<10	290	<5	<10	0.88	<5	5	16	<5	2.20	<50
W423243		2.30	1.490	<1	0.94	17400	210	<5	<10	2.01	<5	10	8	9	3.78	<50
W423244		3.85	0.002	<1	1.60	<10	290	<5	<10	0.86	<5	<5	17	<5	2.27	<50
W423245		4.96	0.002	<1	1.76	<10	330	<5	<10	0.76	<5	<5	17	<5	2.31	<50
W423246		4.93	0.600	<1	1.25	4220	210	<5	80	1.30	<5	<5	13	9	2.94	<50
W423247		2.70	0.004	<1	1.37	<10	240	<5	<10	1.40	<5	<5	14	<5	2.09	<50
W423248		8.03	0.144	<1	1.50	<10	260	<5	<10	1.05	<5	<5	18	<5	2.27	<50
W423249		2.90	0.002	<1	1.49	<10	250	<5	<10	0.89	<5	<5	17	<5	2.13	<50
W423250		0.07	0.592	<1	1.62	60	60	<5	<10	0.85	<5	22	55	59	5.10	<50
W423251		3.83	0.001	<1	1.66	10	290	<5	<10	0.81	<5	8	18	<5	2.31	<50
W423252		5.79	0.019	<1	1.46	<10	290	<5	<10	1.39	<5	5	17	<5	2.14	<50
W423253		4.81	0.003	<1	1.31	30	240	<5	<10	1.30	<5	<5	14	<5	2.03	<50
W423254		3.88	0.001	<1	1.42	<10	220	<5	<10	0.71	<5	5	15	18	2.05	<50
W423255		3.67	0.024	<1	0.98	890	190	<5	<10	1.71	<5	<5	12	15	1.93	<50

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SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 25-SEP-2017
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CERTIFICATE OF ANALYSIS WH17178039

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	5	0.05	50	0.05	30	5	0.05	5	50	10	0.05	10	5	5	100
W423216		<5	<0.05	<50	0.14	50	<5	<0.05	5	80	<10	<0.05	10	<5	965	<100
W423217		<5	0.75	50	0.41	370	<5	0.08	7	460	20	0.05	<10	<5	57	<100
W423218		<5	0.81	50	0.45	390	<5	0.07	10	460	10	<0.05	10	<5	46	<100
W423219		<5	0.57	<50	0.31	420	<5	<0.05	<5	390	<10	0.72	<10	<5	60	<100
W423220		7	0.59	<50	0.35	390	<5	<0.05	9	410	30	2.49	10	<5	55	<100
W423221		<5	0.63	50	0.40	380	<5	<0.05	<5	420	10	0.12	10	<5	54	<100
W423222		<5	0.58	<50	0.36	370	<5	<0.05	<5	430	10	0.17	20	<5	58	<100
W423223		<5	0.62	<50	0.32	420	<5	0.06	<5	380	10	0.07	10	<5	64	<100
W423224		<5	0.57	50	0.38	430	<5	0.06	5	480	30	0.08	<10	<5	62	<100
W423225		<5	0.82	50	0.46	370	<5	0.09	<5	450	<10	<0.05	10	<5	39	<100
W423226		<5	0.49	<50	0.17	440	<5	<0.05	<5	370	10	0.09	10	<5	83	<100
W423227		6	0.39	<50	0.17	430	<5	<0.05	<5	180	40	0.92	30	<5	58	<100
W423228		10	0.51	<50	0.24	390	<5	<0.05	<5	400	<10	0.91	<10	<5	76	<100
W423229		<5	0.52	<50	0.25	390	<5	<0.05	<5	390	<10	0.87	10	<5	78	<100
W423230		<5	0.76	50	0.43	350	<5	0.07	<5	420	10	<0.05	10	<5	45	<100
W423231		<5	0.68	50	0.39	340	<5	0.05	5	420	10	<0.05	<10	<5	46	<100
W423232		<5	0.74	50	0.40	330	<5	0.07	<5	410	10	<0.05	10	<5	49	<100
W423233		<5	0.48	<50	0.25	380	<5	<0.05	<5	370	10	2.86	<10	<5	55	<100
W423234		<5	0.87	50	0.44	370	<5	0.11	7	450	10	<0.05	10	5	50	<100
W423235		7	0.75	<50	0.41	390	<5	0.08	<5	400	10	0.17	10	<5	52	<100
W423236		<5	0.64	<50	0.46	400	<5	0.06	<5	520	20	<0.05	10	<5	66	<100
W423237		<5	0.85	<50	0.55	380	<5	0.13	<5	540	20	<0.05	10	<5	74	<100
W423238		6	0.90	<50	0.55	390	<5	0.13	6	510	10	<0.05	10	<5	78	<100
W423239		8	0.65	<50	0.44	470	<5	0.06	<5	480	20	0.14	10	<5	79	<100
W423240		6	0.86	<50	0.55	390	<5	0.13	<5	520	20	<0.05	10	<5	75	<100
W423241		<5	0.51	<50	0.38	490	<5	<0.05	<5	520	20	0.83	10	<5	88	<100
W423242		<5	0.82	<50	0.55	400	<5	0.11	<5	500	20	<0.05	10	<5	72	<100
W423243		<5	0.49	<50	0.36	510	<5	<0.05	<5	470	10	1.74	10	<5	70	<100
W423244		<5	0.85	<50	0.57	410	<5	0.11	<5	550	10	<0.05	20	<5	78	<100
W423245		<5	0.96	<50	0.59	410	<5	0.15	<5	550	20	<0.05	<10	<5	84	<100
W423246		6	0.63	<50	0.45	460	<5	0.05	<5	520	20	0.96	20	<5	66	<100
W423247		<5	0.70	<50	0.50	400	<5	0.06	<5	540	10	<0.05	20	<5	89	<100
W423248		7	0.80	<50	0.55	440	<5	0.10	<5	560	20	<0.05	10	<5	82	<100
W423249		<5	0.77	<50	0.54	380	<5	0.09	<5	520	20	<0.05	10	<5	68	<100
W423250		<5	0.36	<50	1.46	440	<5	0.58	76	1050	30	2.36	<10	<5	211	<100
W423251		8	0.88	<50	0.58	400	<5	0.12	<5	570	20	<0.05	10	<5	77	<100
W423252		<5	0.83	<50	0.52	430	<5	0.09	<5	540	10	<0.05	10	<5	89	<100
W423253		8	0.72	<50	0.44	410	<5	0.08	<5	490	20	0.08	10	<5	63	<100
W423254		<5	0.70	<50	0.53	370	<5	0.08	10	480	30	<0.05	10	<5	59	<100
W423255		7	0.47	<50	0.35	420	<5	<0.05	5	480	10	0.26	10	<5	67	<100

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 25-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178039

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Ti	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	50	50	5	50	10
W423216		<0.05	<50	<50	7	<50	10
W423217		0.14	<50	<50	20	<50	70
W423218		0.16	<50	<50	22	<50	80
W423219		0.09	<50	<50	15	<50	50
W423220		0.09	<50	<50	15	<50	90
W423221		0.13	<50	<50	19	<50	60
W423222		0.11	<50	<50	17	<50	60
W423223		0.10	<50	<50	15	<50	50
W423224		0.12	<50	<50	17	<50	50
W423225		0.17	<50	<50	23	<50	70
W423226		<0.05	<50	<50	8	<50	40
W423227		<0.05	<50	<50	6	<50	20
W423228		0.05	<50	<50	11	<50	30
W423229		0.05	<50	<50	10	<50	40
W423230		0.15	<50	<50	20	<50	60
W423231		0.13	<50	<50	20	<50	60
W423232		0.15	<50	<50	20	<50	50
W423233		0.05	<50	<50	9	<50	30
W423234		0.17	<50	<50	23	<50	60
W423235		0.14	<50	<50	21	<50	50
W423236		0.13	<50	<50	18	<50	50
W423237		0.21	<50	<50	22	<50	50
W423238		0.21	<50	<50	22	<50	50
W423239		0.13	<50	<50	15	<50	50
W423240		0.21	<50	<50	22	<50	60
W423241		0.07	<50	<50	11	<50	50
W423242		0.20	<50	<50	21	<50	50
W423243		0.05	<50	<50	8	3660	40
W423244		0.20	<50	<50	20	<50	60
W423245		0.22	<50	<50	24	<50	60
W423246		0.12	<50	<50	14	60	40
W423247		0.16	<50	<50	17	<50	50
W423248		0.19	<50	<50	22	<50	50
W423249		0.19	<50	<50	20	<50	60
W423250		0.43	<50	<50	54	<50	100
W423251		0.21	<50	<50	22	<50	60
W423252		0.17	<50	<50	20	<50	50
W423253		0.15	<50	<50	17	<50	40
W423254		0.18	<50	<50	20	<50	60
W423255		0.08	<50	<50	11	<50	30

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 25-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178039

Sample Description	Method	WEI-21	Au-ICP22	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.001	1	0.05	10	50	5	10	0.05	5	5	5	5	0.05	50
W423256		0.08	0.005	<1	<0.05	<10	<50	<5	<10	38.4	<5	<5	<5	<5	<0.05	<50
W423257		4.07	0.529	<1	0.83	20500	160	<5	<10	1.57	<5	6	10	18	3.54	<50
W423258		3.12	0.007	<1	1.20	<10	230	<5	<10	1.40	<5	<5	14	6	1.99	<50
W423259		5.62	0.004	<1	1.45	<10	230	<5	<10	0.75	<5	5	17	<5	2.10	<50
W423260		6.42	0.001	<1	1.44	<10	260	<5	<10	0.75	<5	6	17	<5	2.07	<50
W423261		3.44	0.080	<1	1.13	2900	220	<5	<10	1.33	<5	5	13	<5	2.15	<50
W423262		3.48	0.136	<1	1.11	2330	210	<5	<10	1.35	<5	<5	12	<5	2.11	<50
W423263		2.57	0.001	<1	1.37	10	240	<5	<10	0.81	<5	7	15	<5	2.03	<50
W423264		4.12	0.002	<1	0.96	<10	140	<5	<10	0.47	<5	6	16	<5	1.44	<50
W423265		2.80	0.448	<1	0.94	9690	200	<5	<10	1.57	<5	7	11	<5	2.46	<50
W423266		5.45	0.002	<1	1.55	20	260	<5	<10	0.69	<5	6	18	<5	2.20	<50
W423267		2.97	0.044	<1	1.25	90	210	<5	<10	1.12	<5	5	15	6	1.96	<50
W423268		6.07	0.001	<1	1.50	10	220	<5	<10	0.65	<5	<5	17	<5	2.15	<50
W423269		<0.02	0.002	<1	1.51	<10	220	<5	<10	0.66	<5	6	18	<5	2.16	<50
W423270		5.90	0.013	<1	1.45	<10	270	<5	<10	0.99	<5	5	19	<5	2.12	<50
W423271		3.58	1.915	<1	1.35	8260	230	<5	<10	1.00	<5	5	14	<5	4.29	<50
W423272		5.94	0.004	<1	1.62	<10	280	<5	<10	0.79	<5	6	17	<5	2.27	<50
W423273		6.13	0.006	<1	1.60	<10	270	<5	<10	0.73	<5	7	19	<5	2.21	<50
W423274		5.29	0.002	<1	1.48	<10	240	<5	<10	0.82	<5	5	16	<5	2.12	<50
W423275		2.11	0.884	<1	1.08	200	190	<5	<10	1.62	<5	<5	10	<5	2.78	<50
W423276		4.61	0.005	<1	1.58	<10	280	<5	10	0.75	<5	6	16	<5	2.24	<50
W423277		4.38	0.355	<1	1.40	<10	240	<5	<10	1.23	<5	<5	14	<5	2.12	<50
W423278		6.20	0.007	<1	0.83	<10	170	<5	<10	2.14	<5	<5	10	<5	1.85	<50
W423279		3.22	0.299	<1	1.44	<10	270	<5	<10	1.09	<5	8	15	<5	2.12	<50
W423280		6.06	0.002	<1	0.76	10	170	<5	<10	2.43	<5	<5	7	<5	1.76	<50
W423281		2.86	1.370	<1	1.06	9300	180	<5	<10	1.26	<5	9	11	11	3.35	<50
W423282		5.81	0.003	<1	1.53	10	280	<5	10	0.86	<5	<5	16	<5	2.15	<50
W423283		5.48	0.002	<1	1.62	<10	270	<5	<10	0.77	<5	<5	16	<5	2.26	<50
W423284		2.15	0.571	<1	1.31	12700	240	<5	<10	1.17	<5	10	13	15	3.48	<50
W423285		6.10	0.001	<1	1.64	10	240	<5	<10	0.71	<5	5	16	<5	2.29	<50
W423286		2.52	0.913	<1	1.12	4570	220	<5	10	1.52	<5	<5	11	<5	3.85	<50
W423287		4.22	0.002	<1	1.58	<10	240	<5	<10	0.71	<5	6	15	<5	2.21	<50
W423288		2.39	0.266	<1	1.16	11450	220	<5	10	1.17	<5	10	13	<5	2.69	<50
W423289		3.24	0.029	<1	1.30	2500	210	<5	<10	1.56	<5	5	13	<5	2.19	<50
W423290		0.08	0.455	<1	1.58	70	60	<5	<10	0.81	<5	19	56	68	5.15	<50
W423291		5.83	0.002	<1	1.69	<10	280	<5	<10	0.78	<5	7	16	<5	2.33	<50
W423292		5.98	0.003	<1	1.68	<10	270	<5	<10	0.78	<5	5	15	<5	2.30	<50
W423293		5.26	0.001	<1	1.63	<10	270	<5	<10	0.73	<5	6	14	<5	2.20	<50
W423294		2.05	0.134	<1	1.40	2340	250	<5	<10	1.10	<5	7	13	50	3.05	<50
W423295		4.94	0.001	<1	1.74	<10	290	<5	<10	0.72	<5	6	15	<5	2.45	<50

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 25-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178039

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	5	0.05	50	0.05	30	5	0.05	5	50	10	0.05	10	5	5	100
W423256		6	<0.05	<50	0.14	50	<5	<0.05	<5	<50	10	<0.05	<10	<5	971	<100
W423257		6	0.41	<50	0.36	520	<5	<0.05	5	440	10	1.44	20	<5	57	<100
W423258		<5	0.63	<50	0.49	470	<5	0.05	<5	480	<10	<0.05	20	<5	75	<100
W423259		6	0.75	<50	0.53	370	<5	0.10	<5	520	10	<0.05	10	<5	88	<100
W423260		<5	0.81	<50	0.50	370	<5	0.11	7	480	10	<0.05	<10	<5	77	<100
W423261		5	0.61	<50	0.43	430	<5	0.05	<5	480	<10	0.24	<10	<5	65	<100
W423262		7	0.60	<50	0.43	430	<5	<0.05	<5	460	20	0.21	10	<5	71	<100
W423263		<5	0.74	<50	0.50	370	<5	0.08	<5	470	20	<0.05	10	<5	61	<100
W423264		<5	0.50	<50	0.32	250	<5	0.07	<5	300	10	<0.05	20	<5	44	<100
W423265		<5	0.54	<50	0.35	410	<5	<0.05	<5	420	10	0.68	20	<5	69	<100
W423266		8	0.85	<50	0.55	380	<5	0.13	<5	510	10	<0.05	10	<5	87	<100
W423267		<5	0.68	<50	0.46	380	<5	0.07	<5	470	10	0.05	<10	<5	76	<100
W423268		<5	0.78	<50	0.53	370	<5	0.11	<5	500	10	<0.05	10	<5	62	<100
W423269		<5	0.79	<50	0.54	370	<5	0.12	8	510	10	<0.05	20	<5	63	<100
W423270		<5	0.85	<50	0.52	390	<5	0.09	<5	550	20	<0.05	<10	<5	61	<100
W423271		<5	0.65	<50	0.45	350	<5	0.07	<5	460	10	2.55	10	<5	51	<100
W423272		<5	0.86	<50	0.58	400	<5	0.13	5	530	<10	<0.05	<10	<5	71	<100
W423273		6	0.84	<50	0.56	380	<5	0.12	<5	550	10	<0.05	<10	<5	68	<100
W423274		5	0.75	<50	0.53	370	<5	0.10	<5	510	10	<0.05	10	<5	61	<100
W423275		<5	0.53	<50	0.45	570	<5	<0.05	<5	470	10	0.98	20	<5	77	<100
W423276		5	0.80	<50	0.56	400	<5	0.12	<5	520	10	<0.05	10	<5	81	<100
W423277		<5	0.64	<50	0.53	410	<5	0.06	<5	530	10	<0.05	<10	<5	79	<100
W423278		<5	0.44	<50	0.38	820	<5	<0.05	<5	540	<10	0.38	10	<5	81	<100
W423279		5	0.74	<50	0.52	400	<5	0.08	5	520	<10	<0.05	10	<5	73	<100
W423280		<5	0.41	<50	0.32	790	<5	<0.05	<5	510	10	0.38	10	<5	90	<100
W423281		<5	0.51	<50	0.36	340	<5	0.05	5	520	20	1.46	10	<5	53	<100
W423282		<5	0.73	<50	0.56	380	<5	0.10	<5	540	20	<0.05	10	<5	88	<100
W423283		<5	0.83	<50	0.56	390	<5	0.13	<5	560	10	<0.05	<10	<5	78	<100
W423284		<5	0.68	<50	0.45	390	<5	0.08	6	540	<10	1.26	10	<5	63	<100
W423285		<5	0.84	<50	0.58	400	<5	0.12	6	530	<10	<0.05	10	<5	112	<100
W423286		<5	0.62	<50	0.42	470	<5	<0.05	<5	520	10	2.32	<10	<5	71	<100
W423287		7	0.80	<50	0.58	390	<5	0.11	<5	550	<10	<0.05	10	<5	79	<100
W423288		7	0.59	<50	0.45	390	<5	<0.05	<5	460	<10	0.58	10	<5	56	<100
W423289		7	0.65	<50	0.49	500	<5	0.06	<5	510	<10	0.16	<10	<5	73	<100
W423290		6	0.36	<50	1.45	440	<5	0.63	81	1060	40	2.45	10	<5	209	<100
W423291		<5	0.94	<50	0.58	400	<5	0.19	<5	560	10	<0.05	<10	<5	73	<100
W423292		<5	0.88	<50	0.59	400	<5	0.17	7	550	10	<0.05	10	<5	70	<100
W423293		<5	0.89	<50	0.55	380	<5	0.16	<5	500	10	<0.05	10	<5	70	<100
W423294		<5	0.70	<50	0.48	410	<5	0.12	<5	550	<10	0.75	<10	<5	53	<100
W423295		<5	0.95	50	0.61	410	<5	0.19	<5	580	10	<0.05	<10	<5	72	<100

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 25-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178039

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Ti	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	50	50	5	50	10
W423256		<0.05	<50	<50	9	<50	<10
W423257		0.05	<50	<50	9	<50	30
W423258		0.14	<50	<50	16	<50	40
W423259		0.19	<50	<50	20	<50	50
W423260		0.18	<50	<50	20	<50	50
W423261		0.12	<50	<50	14	<50	40
W423262		0.12	<50	<50	15	<50	40
W423263		0.17	<50	<50	20	<50	50
W423264		0.12	<50	<50	13	<50	30
W423265		0.08	<50	<50	10	<50	30
W423266		0.20	<50	<50	21	<50	50
W423267		0.15	<50	<50	17	<50	50
W423268		0.19	<50	<50	19	<50	50
W423269		0.19	<50	<50	22	<50	50
W423270		0.18	<50	<50	19	<50	50
W423271		0.13	<50	<50	16	<50	40
W423272		0.21	<50	<50	22	<50	50
W423273		0.21	<50	<50	23	<50	50
W423274		0.19	<50	<50	20	<50	50
W423275		0.10	<50	<50	14	<50	30
W423276		0.20	<50	<50	21	<50	50
W423277		0.16	<50	<50	19	<50	50
W423278		0.05	<50	<50	8	<50	20
W423279		0.18	<50	<50	21	<50	50
W423280		<0.05	<50	<50	7	<50	20
W423281		0.09	<50	<50	13	<50	30
W423282		0.19	<50	<50	22	<50	50
W423283		0.21	<50	<50	22	<50	50
W423284		0.13	<50	<50	17	<50	40
W423285		0.21	<50	<50	22	<50	50
W423286		0.09	<50	<50	13	<50	30
W423287		0.20	<50	<50	21	<50	50
W423288		0.11	<50	<50	15	<50	30
W423289		0.13	<50	<50	18	<50	40
W423290		0.43	<50	<50	54	<50	100
W423291		0.21	<50	<50	22	<50	50
W423292		0.21	<50	<50	23	<50	50
W423293		0.21	<50	<50	21	<50	50
W423294		0.14	<50	<50	17	<50	40
W423295		0.22	<50	<50	24	<50	50

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103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 25-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178039

Sample Description	Method	WEI-21	Au-ICP22	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.001	1	0.05	10	50	5	10	0.05	5	5	5	5	0.05	50
W423296		0.09	0.003	<1	<0.05	10	<50	<5	10	38.6	<5	<5	<5	<5	<0.05	<50
W423297		1.91	1.470	<1	1.17	3960	230	<5	<10	0.73	<5	<5	13	115	4.73	<50
W423298		5.81	0.002	<1	1.78	<10	300	<5	<10	0.76	<5	8	21	<5	2.43	<50
W423299		6.19	0.003	<1	1.64	<10	250	<5	<10	0.77	<5	7	18	<5	2.21	<50
W423300		6.08	0.001	<1	1.75	<10	280	<5	<10	0.76	<5	6	18	<5	2.37	<50
W423301		4.70	0.001	<1	1.66	<10	320	<5	<10	0.81	<5	6	16	<5	2.32	<50
W423302		3.53	2.74	<1	1.13	2320	260	<5	30	1.96	<5	<5	13	<5	2.14	<50
W423303		6.22	0.002	<1	1.64	<10	300	<5	<10	0.77	<5	<5	18	<5	2.30	<50
W423304		2.42	0.002	<1	1.25	<10	210	<5	<10	1.29	<5	5	14	<5	2.06	<50
W423305		6.37	0.001	<1	1.61	<10	270	<5	<10	0.86	<5	8	18	<5	2.31	<50
W423306		5.70	0.002	<1	1.70	<10	290	<5	<10	0.77	<5	6	15	<5	2.30	<50
W423307		4.09	0.002	<1	1.47	10	260	<5	<10	1.07	<5	5	15	7	2.27	<50
W423308		5.29	0.002	<1	1.61	<10	280	<5	<10	0.82	<5	6	17	<5	2.27	<50
W423309		6.09	0.002	<1	1.65	<10	270	<5	<10	0.82	<5	6	16	<5	2.41	<50
W423310		0.07	0.847	1	1.30	60	50	<5	<10	0.67	<5	18	44	77	4.62	<50
W423311		3.16	0.001	<1	1.56	40	260	<5	<10	0.82	<5	<5	15	<5	2.21	<50
W423312		1.95	0.014	<1	1.30	<10	260	<5	10	1.56	<5	5	13	<5	2.09	<50
W423313		2.58	0.759	<1	1.02	11650	200	<5	<10	1.64	<5	5	11	<5	2.77	<50
W423314		6.01	0.002	<1	1.52	<10	260	<5	<10	1.09	<5	7	16	<5	2.29	<50
W423315		4.76	0.018	<1	1.53	<10	260	<5	<10	1.02	<5	<5	18	<5	2.27	<50
W423316		0.08	0.003	<1	<0.05	<10	<50	<5	<10	39.0	<5	<5	<5	<5	<0.05	<50
W423317		2.32	0.003	<1	1.47	10	280	<5	<10	1.08	<5	6	17	<5	2.29	<50
W423318		1.86	0.001	<1	1.29	<10	290	<5	<10	1.80	<5	10	14	<5	2.07	<50
W423319		2.99	0.001	<1	1.56	<10	230	<5	<10	0.73	<5	6	16	<5	2.34	<50
W423320		3.86	0.001	<1	1.66	<10	270	<5	<10	0.75	<5	7	16	<5	2.41	<50
W423321		4.70	0.162	2	0.55	270	150	<5	<10	3.40	<5	<5	7	<5	1.95	<50
W423322		4.39	0.173	2	0.57	480	170	<5	<10	3.21	<5	<5	9	7	2.11	<50
W423323		2.31	0.578	<1	0.92	40	170	<5	20	2.61	<5	<5	10	8	2.39	<50
W423324		3.47	0.302	<1	1.32	<10	220	<5	<10	1.52	<5	<5	14	16	2.26	<50
W423325		3.52	0.007	<1	1.18	<10	180	<5	<10	1.87	<5	5	13	<5	2.19	<50
W423326		6.00	0.001	<1	1.60	20	240	<5	<10	0.67	<5	7	14	21	2.30	<50
W423327		7.14	0.001	<1	1.63	10	240	<5	<10	0.75	<5	8	16	6	2.34	<50
W423328		3.18	<0.001	1	1.63	20	250	<5	<10	0.76	<5	<5	14	<5	2.37	<50
W423329		<0.02	0.001	1	1.59	30	240	<5	<10	0.75	<5	7	14	<5	2.34	<50
W423330		2.75	2.96	5	0.73	150	110	<5	<10	2.84	<5	6	7	54	2.81	<50
W423331		3.20	0.007	<1	0.90	10	100	<5	<10	1.94	<5	6	8	34	2.11	<50
W423332		5.89	0.002	<1	1.59	10	240	<5	<10	1.04	<5	<5	16	21	2.41	<50
W423333		3.03	0.002	1	1.16	10	150	<5	<10	2.34	<5	5	11	19	1.96	<50
W423334		5.93	0.001	<1	1.65	20	240	<5	<10	0.79	<5	<5	15	10	2.37	<50
W423335		5.99	0.002	<1	1.80	10	260	<5	<10	0.70	<5	6	14	5	2.42	<50

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 25-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178039

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	5	0.05	50	0.05	30	5	0.05	5	50	10	0.05	10	5	5	100
W423296		<5	<0.05	<50	0.14	50	<5	<0.05	<5	70	10	0.05	10	<5	966	<100
W423297		<5	0.61	<50	0.39	390	<5	0.09	<5	480	10	2.20	10	<5	38	<100
W423298		<5	0.96	<50	0.61	390	<5	0.19	7	580	10	<0.05	<10	<5	80	<100
W423299		5	0.90	<50	0.56	380	<5	0.16	<5	530	10	<0.05	10	<5	79	<100
W423300		<5	0.94	50	0.60	390	<5	0.19	<5	560	10	<0.05	<10	<5	79	<100
W423301		<5	0.93	<50	0.61	360	<5	0.17	<5	550	<10	<0.05	<10	<5	87	<100
W423302		<5	0.64	<50	0.38	390	<5	0.08	5	520	40	0.38	20	<5	61	<100
W423303		<5	0.87	<50	0.60	360	<5	0.17	<5	550	10	<0.05	10	<5	67	<100
W423304		<5	0.59	<50	0.54	330	<5	0.10	<5	520	<10	<0.05	10	<5	88	<100
W423305		5	0.85	<50	0.58	380	<5	0.16	<5	570	10	<0.05	<10	<5	76	<100
W423306		<5	0.91	<50	0.58	380	<5	0.19	<5	540	<10	<0.05	<10	<5	93	<100
W423307		<5	0.79	<50	0.55	380	<5	0.14	<5	520	10	0.12	10	<5	79	<100
W423308		5	0.85	<50	0.59	380	<5	0.16	5	550	10	0.06	10	<5	73	<100
W423309		5	0.81	<50	0.62	390	<5	0.15	<5	570	10	0.07	<10	<5	83	<100
W423310		5	0.29	<50	1.16	350	<5	0.50	64	870	50	2.60	10	<5	167	<100
W423311		5	0.83	<50	0.57	380	<5	0.14	<5	520	10	<0.05	<10	<5	67	<100
W423312		<5	0.69	<50	0.49	390	<5	0.09	<5	540	20	0.08	<10	<5	86	<100
W423313		9	0.54	<50	0.35	440	<5	0.07	<5	520	<10	0.91	<10	<5	53	<100
W423314		<5	0.83	<50	0.57	370	<5	0.13	<5	550	<10	<0.05	10	<5	79	<100
W423315		<5	0.85	<50	0.56	390	<5	0.15	<5	550	20	<0.05	10	<5	82	<100
W423316		10	<0.05	<50	0.15	50	<5	<0.05	<5	60	<10	0.06	20	<5	995	<100
W423317		5	0.85	<50	0.54	390	<5	0.13	<5	550	20	0.08	10	<5	76	<100
W423318		6	0.80	<50	0.48	400	<5	0.09	<5	540	10	0.07	20	<5	99	<100
W423319		<5	0.79	<50	0.60	390	<5	0.15	<5	570	<10	<0.05	<10	<5	69	<100
W423320		5	0.86	<50	0.61	400	<5	0.17	5	560	<10	<0.05	10	<5	74	<100
W423321		<5	0.41	<50	0.31	1080	<5	<0.05	<5	480	10	0.17	10	<5	227	<100
W423322		<5	0.40	<50	0.29	1020	<5	<0.05	5	520	<10	0.35	<10	<5	208	<100
W423323		5	0.44	<50	0.40	760	<5	0.05	<5	540	20	0.67	10	<5	175	<100
W423324		5	0.60	<50	0.51	500	<5	0.11	<5	570	70	0.20	<10	<5	99	<100
W423325		6	0.51	<50	0.46	520	<5	0.07	<5	560	10	0.10	10	<5	92	<100
W423326		<5	0.78	<50	0.59	380	<5	0.09	21	560	20	<0.05	10	<5	61	<100
W423327		<5	0.84	<50	0.58	390	<5	0.10	<5	560	10	<0.05	10	<5	63	<100
W423328		<5	0.84	50	0.58	380	<5	0.09	8	560	10	<0.05	<10	<5	71	<100
W423329		<5	0.79	<50	0.56	370	<5	0.09	<5	560	10	<0.05	10	<5	70	<100
W423330		<5	0.27	<50	0.66	600	<5	<0.05	5	520	110	0.63	<10	<5	131	<100
W423331		<5	0.31	50	0.44	430	<5	<0.05	8	540	20	<0.05	10	<5	125	<100
W423332		<5	0.77	<50	0.57	420	<5	0.11	<5	580	10	<0.05	<10	<5	108	<100
W423333		<5	0.47	<50	0.39	660	<5	<0.05	<5	550	100	<0.05	<10	<5	106	<100
W423334		<5	0.83	<50	0.58	390	<5	0.10	7	570	10	<0.05	10	<5	72	<100
W423335		<5	0.96	50	0.61	400	<5	0.14	6	590	20	<0.05	10	<5	71	<100

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 25-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178039

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Ti	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	50	50	5	50	10
W423296		<0.05	<50	<50	8	<50	<10
W423297		0.10	<50	<50	14	<50	30
W423298		0.21	<50	<50	24	<50	50
W423299		0.20	<50	<50	22	<50	50
W423300		0.22	<50	<50	25	<50	50
W423301		0.22	<50	<50	23	<50	40
W423302		0.11	<50	<50	13	<50	30
W423303		0.22	<50	<50	23	<50	50
W423304		0.15	<50	<50	18	<50	40
W423305		0.21	<50	<50	24	<50	50
W423306		0.22	<50	<50	24	<50	50
W423307		0.18	<50	<50	20	110	40
W423308		0.20	<50	<50	23	<50	50
W423309		0.20	<50	<50	23	<50	50
W423310		0.34	<50	<50	43	<50	120
W423311		0.20	<50	<50	22	<50	50
W423312		0.15	<50	<50	18	<50	40
W423313		0.08	<50	<50	12	<50	30
W423314		0.19	<50	<50	22	<50	50
W423315		0.19	<50	<50	22	<50	50
W423316		<0.05	<50	<50	7	<50	<10
W423317		0.18	<50	<50	21	<50	50
W423318		0.14	<50	<50	19	<50	50
W423319		0.20	<50	<50	21	<50	60
W423320		0.22	<50	<50	26	<50	50
W423321		<0.05	<50	<50	5	<50	20
W423322		<0.05	<50	<50	<5	<50	30
W423323		<0.05	<50	<50	10	<50	30
W423324		0.10	<50	<50	16	60	100
W423325		0.07	<50	<50	14	<50	50
W423326		0.18	<50	<50	22	<50	60
W423327		0.18	<50	<50	21	<50	50
W423328		0.19	<50	<50	21	<50	50
W423329		0.18	<50	<50	20	<50	50
W423330		<0.05	<50	<50	6	<50	240
W423331		<0.05	<50	<50	11	<50	60
W423332		0.14	<50	<50	21	<50	50
W423333		0.06	<50	<50	12	<50	190
W423334		0.18	<50	<50	22	<50	50
W423335		0.21	<50	<50	22	<50	50

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 25-SEP-2017
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Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178039

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-32	CRU-QC	DRY-22	LOG-21d
	LOG-22	LOG-23	PUL-32	PUL-32d
	PUL-QC	SPL-21	SPL-21d	WEI-21

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

Applies to Method:		
	Au-ICP22	ME-ICP41a

ALS Canada Ltd.

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

CERTIFICATE WH17178038

Project: McConnells Jest

This report is for 204 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 18-AUG-2017.

The following have access to data associated with this certificate:

TERRY CHRISTOPHER		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-32d	Pulverize Split -Dup 85% <75um
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
DRY-22	Drying - Maximum Temp 60C
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate

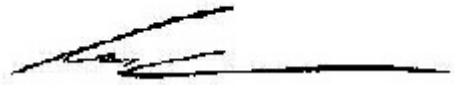
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP22	Au 50g FA ICP-AES finish	ICP-AES
ME-ICP41a	High Grade Aqua Regia ICP-AES	ICP-AES

To: **ZONTE METALS**
ATTN: TERRY CHRISTOPHER
SUITE 279 - 103 - 27 LACEWOOD DRIVE
HALIFAX NS B3M 3Y7

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ZONTE METALS**
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SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
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CERTIFICATE OF ANALYSIS WH17178038

Sample Description	Method	WEI-21	Au-ICP22	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.001	1	0.05	10	50	5	10	0.05	5	5	5	5	0.05	50
W423336		5.35	<0.001	<1	1.78	<10	240	<5	<10	0.68	<5	<5	16	<5	2.45	<50
W423337		6.14	<0.001	<1	1.53	<10	210	<5	10	0.77	<5	6	15	5	2.26	<50
W423338		5.86	<0.001	1	1.55	<10	200	<5	<10	0.66	<5	6	17	5	2.23	<50
W423339		5.71	<0.001	<1	1.54	<10	230	<5	<10	0.60	<5	<5	17	<5	2.27	<50
W423340		5.69	<0.001	<1	1.48	10	220	<5	10	0.99	<5	7	17	<5	2.24	<50
W423341		6.17	<0.001	<1	1.56	<10	220	<5	<10	0.63	<5	7	18	<5	2.26	<50
W423342		5.81	0.012	2	1.51	<10	220	<5	10	0.74	<5	5	17	8	2.28	<50
W423343		5.96	<0.001	<1	1.57	<10	250	<5	<10	0.62	<5	6	17	<5	2.24	<50
W423344		4.67	<0.001	<1	1.55	<10	240	<5	<10	0.64	<5	6	17	<5	2.21	<50
W423345		6.01	<0.001	<1	1.52	10	230	<5	<10	0.60	<5	<5	18	<5	2.23	<50
W423346		3.64	0.002	<1	1.44	20	210	<5	<10	0.81	<5	7	17	12	2.20	<50
W423347		2.87	<0.001	<1	1.29	<10	200	<5	<10	1.11	<5	7	14	6	2.09	<50
W423348		2.82	<0.001	<1	1.38	10	220	<5	<10	1.06	<5	6	16	<5	2.14	<50
W423349		1.71	0.248	<1	0.93	6740	180	<5	10	1.56	<5	8	13	36	2.79	<50
W423350		0.08	0.576	<1	1.53	70	50	<5	10	0.74	<5	21	53	62	5.02	<50
W423351		4.35	<0.001	<1	1.61	<10	260	<5	10	0.60	<5	5	18	<5	2.30	<50
W423352		3.84	0.027	<1	0.35	710	130	<5	<10	2.15	<5	<5	6	6	1.26	<50
W423353		2.46	0.203	5	0.54	6190	140	<5	<10	1.44	<5	<5	8	7	2.90	<50
W423354		2.38	<0.001	<1	1.17	30	230	<5	<10	0.78	<5	<5	12	5	2.35	<50
W423355		6.09	<0.001	<1	1.40	<10	310	<5	<10	0.53	<5	<5	15	5	2.33	<50
W423356		0.08	0.001	<1	<0.05	<10	<50	<5	<10	39.1	<5	<5	<5	<5	<0.05	<50
W423357		3.53	<0.001	<1	1.21	<10	270	<5	10	0.51	<5	5	13	5	2.20	<50
W423358		3.59	0.037	<1	1.01	2910	240	<5	20	1.11	<5	<5	13	7	2.18	<50
W423359		3.21	0.009	<1	1.02	20	240	<5	<10	0.78	<5	<5	13	12	2.11	<50
W423360		3.26	<0.001	<1	1.17	<10	240	<5	<10	0.53	<5	<5	15	26	2.28	<50
W423361		3.60	0.001	<1	0.66	30	140	<5	<10	1.48	<5	<5	11	25	1.99	<50
W423362		3.74	<0.001	<1	0.73	10	160	<5	<10	1.47	<5	<5	12	25	1.93	<50
W423363		1.99	0.009	<1	0.82	<10	150	<5	<10	0.80	<5	5	11	5	1.97	<50
W423364		2.63	0.002	<1	1.07	<10	230	<5	<10	0.65	<5	<5	14	7	2.22	<50
W423365		2.59	0.083	<1	0.81	5270	180	<5	60	1.09	<5	<5	13	18	3.27	<50
W423366		4.27	<0.001	<1	1.15	<10	230	<5	10	0.55	<5	5	16	16	2.26	<50
W423367		4.32	<0.001	<1	0.89	10	190	<5	10	0.86	<5	<5	13	21	2.14	<50
W423368		2.32	0.024	<1	0.67	120	170	<5	<10	1.97	<5	<5	9	18	1.89	<50
W423369		<0.02	0.010	<1	0.62	90	150	<5	10	1.97	<5	<5	11	19	1.89	<50
W423370		2.65	0.169	<1	0.77	40	200	<5	10	1.54	<5	<5	10	25	2.16	<50
W423371		2.66	<0.001	<1	1.08	<10	240	<5	<10	0.49	<5	<5	14	16	2.30	<50
W423372		3.69	0.002	<1	0.76	660	180	<5	<10	1.48	<5	6	12	21	2.09	<50
W423373		6.19	0.001	<1	1.36	<10	340	<5	<10	0.62	<5	7	13	15	2.31	<50
W423374		3.73	0.104	<1	0.96	3920	240	<5	<10	1.06	<5	10	13	10	2.14	<50
W423375		3.84	0.031	<1	0.95	1140	250	<5	<10	1.34	<5	8	11	13	2.00	<50

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178038

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	5	0.05	50	0.05	30	5	0.05	5	50	10	0.05	10	5	5	100
W423336		<5	0.91	50	0.61	390	<5	0.15	<5	590	<10	<0.05	<10	<5	71	<100
W423337		<5	0.80	<50	0.55	390	<5	0.12	10	570	20	<0.05	<10	<5	69	<100
W423338		<5	0.78	<50	0.57	370	<5	0.13	5	600	20	<0.05	10	<5	60	<100
W423339		<5	0.85	<50	0.59	380	<5	0.12	<5	590	20	<0.05	<10	<5	60	<100
W423340		<5	0.80	<50	0.55	400	<5	0.11	<5	600	20	<0.05	10	<5	72	<100
W423341		<5	0.86	<50	0.61	390	<5	0.13	<5	590	20	<0.05	10	<5	56	<100
W423342		6	0.79	<50	0.56	420	<5	0.13	<5	580	60	0.05	10	<5	61	<100
W423343		6	0.88	<50	0.54	390	<5	0.13	<5	540	20	<0.05	10	<5	68	<100
W423344		6	0.85	<50	0.53	380	<5	0.14	<5	530	10	<0.05	10	<5	61	<100
W423345		5	0.81	<50	0.54	390	<5	0.13	<5	550	20	<0.05	<10	<5	59	<100
W423346		6	0.75	<50	0.52	420	<5	0.11	14	530	30	<0.05	10	<5	61	<100
W423347		<5	0.70	<50	0.51	390	<5	0.09	<5	560	20	<0.05	10	<5	69	<100
W423348		<5	0.78	<50	0.52	390	<5	0.09	<5	530	20	<0.05	<10	<5	62	<100
W423349		<5	0.51	<50	0.37	400	<5	0.05	<5	480	20	1.00	20	<5	67	<100
W423350		5	0.35	<50	1.39	420	<5	0.58	84	1050	40	2.33	10	<5	200	<100
W423351		7	0.89	<50	0.56	390	<5	0.15	<5	570	10	<0.05	<10	<5	64	<100
W423352		<5	0.25	<50	0.06	650	<5	<0.05	<5	450	30	0.21	20	<5	60	<100
W423353		<5	0.30	<50	0.11	480	<5	<0.05	<5	370	160	1.40	20	<5	47	<100
W423354		<5	0.51	<50	0.37	410	<5	0.05	<5	430	20	<0.05	10	<5	37	<100
W423355		<5	0.76	50	0.43	390	<5	0.12	<5	450	10	<0.05	<10	5	41	<100
W423356		9	<0.05	<50	0.14	50	<5	<0.05	<5	80	10	<0.05	10	<5	995	<100
W423357		<5	0.69	50	0.40	370	<5	0.07	<5	450	20	0.05	10	<5	34	<100
W423358		<5	0.56	50	0.32	410	<5	0.06	<5	390	20	0.25	<10	<5	43	<100
W423359		<5	0.55	<50	0.37	350	<5	0.06	<5	410	20	0.18	<10	<5	41	<100
W423360		<5	0.64	50	0.41	340	<5	0.11	5	440	10	0.43	<10	5	42	<100
W423361		6	0.33	<50	0.25	350	<5	<0.05	<5	390	30	0.64	<10	<5	49	<100
W423362		<5	0.37	<50	0.27	360	<5	<0.05	<5	430	20	0.55	10	<5	49	<100
W423363		6	0.39	<50	0.33	320	<5	<0.05	<5	400	20	0.46	30	<5	44	<100
W423364		<5	0.58	50	0.39	380	<5	0.06	<5	440	20	0.26	10	<5	37	<100
W423365		5	0.40	<50	0.28	370	<5	<0.05	<5	390	80	1.76	10	<5	40	<100
W423366		5	0.58	50	0.40	330	<5	0.10	<5	390	20	0.45	<10	<5	44	<100
W423367		<5	0.45	50	0.35	290	6	0.07	<5	420	30	0.53	<10	<5	45	<100
W423368		6	0.36	<50	0.22	480	<5	<0.05	<5	380	20	0.58	<10	<5	63	<100
W423369		6	0.32	<50	0.21	470	<5	<0.05	<5	410	20	0.58	10	<5	62	<100
W423370		<5	0.43	<50	0.23	450	5	<0.05	6	380	20	0.64	20	<5	56	<100
W423371		5	0.59	<50	0.39	350	<5	0.08	<5	370	20	0.42	10	<5	32	<100
W423372		8	0.38	<50	0.25	370	<5	0.06	<5	390	20	0.64	10	<5	59	<100
W423373		<5	0.75	50	0.40	390	<5	0.11	9	420	30	0.28	<10	5	49	<100
W423374		<5	0.46	50	0.33	330	<5	0.06	8	410	30	0.35	<10	<5	45	<100
W423375		<5	0.50	<50	0.29	400	<5	<0.05	5	420	20	0.27	10	<5	41	<100

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178038

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Ti	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	50	50	5	50	10
W423336		0.21	<50	<50	21	<50	30
W423337		0.18	<50	<50	20	<50	50
W423338		0.19	<50	<50	22	<50	50
W423339		0.19	<50	<50	21	<50	50
W423340		0.16	<50	<50	20	<50	50
W423341		0.20	<50	<50	22	<50	50
W423342		0.18	<50	<50	20	270	60
W423343		0.19	<50	<50	21	<50	50
W423344		0.19	<50	<50	20	<50	50
W423345		0.19	<50	<50	19	<50	60
W423346		0.15	<50	<50	19	<50	60
W423347		0.15	<50	<50	17	<50	50
W423348		0.17	<50	<50	19	<50	50
W423349		0.09	<50	<50	12	<50	30
W423350		0.43	<50	<50	51	<50	100
W423351		0.20	<50	<50	22	<50	50
W423352		<0.05	<50	<50	<5	<50	90
W423353		<0.05	<50	<50	<5	<50	270
W423354		0.10	<50	<50	18	<50	130
W423355		0.16	<50	<50	21	<50	80
W423356		<0.05	<50	<50	8	<50	<10
W423357		0.15	<50	<50	20	<50	80
W423358		0.10	<50	<50	15	<50	70
W423359		0.13	<50	<50	18	<50	70
W423360		0.15	<50	<50	21	<50	50
W423361		0.06	<50	<50	9	<50	40
W423362		0.07	<50	<50	11	<50	40
W423363		0.09	<50	<50	13	<50	70
W423364		0.13	<50	<50	17	<50	80
W423365		0.07	<50	<50	11	<50	50
W423366		0.14	<50	<50	20	<50	60
W423367		0.11	<50	<50	15	<50	50
W423368		0.05	<50	<50	6	<50	40
W423369		0.05	<50	<50	6	<50	40
W423370		0.06	<50	<50	9	<50	50
W423371		0.14	<50	<50	18	<50	90
W423372		0.06	<50	<50	11	<50	50
W423373		0.16	<50	<50	25	<50	80
W423374		0.09	<50	<50	17	<50	60
W423375		0.09	<50	<50	15	<50	60

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178038

Sample Description	Method	WEI-21	Au-ICP22	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.001	1	0.05	10	50	5	10	0.05	5	5	5	5	0.05	50
W423376		2.57	0.053	<1	0.87	<10	230	<5	<10	1.24	<5	<5	10	9	1.88	<50
W423377		4.29	<0.001	<1	1.34	<10	330	<5	<10	0.64	<5	7	14	7	2.30	<50
W423378		3.06	0.011	<1	0.61	440	200	<5	<10	2.30	<5	6	9	10	1.80	<50
W423379		6.33	<0.001	<1	1.38	<10	330	<5	<10	0.61	<5	5	15	12	2.31	<50
W423380		2.49	<0.001	<1	1.17	<10	250	<5	<10	0.59	<5	5	12	16	2.19	<50
W423381		3.53	0.001	<1	0.90	<10	180	<5	<10	0.88	<5	5	11	24	2.07	<50
W423382		2.22	0.169	1	0.64	1090	160	<5	90	0.87	<5	7	10	24	2.79	<50
W423383		2.17	0.036	<1	0.53	60	170	<5	<10	1.62	<5	7	9	38	2.06	<50
W423384		4.04	0.094	<1	0.56	140	170	<5	<10	2.10	<5	<5	8	29	1.93	<50
W423385		2.71	0.002	<1	1.01	<10	260	<5	<10	1.14	<5	8	14	11	2.15	<50
W423386		4.04	0.004	<1	0.56	<10	120	<5	<10	4.87	<5	5	7	6	1.00	<50
W423387		2.58	<0.001	<1	1.13	<10	220	<5	<10	1.01	<5	7	15	6	2.33	<50
W423388		3.51	0.008	<1	0.77	40	160	<5	<10	2.22	<5	<5	12	17	1.94	<50
W423389		2.47	<0.001	<1	0.86	20	170	<5	<10	2.06	<5	7	12	12	1.92	<50
W423390		0.07	0.556	1	1.68	70	60	<5	<10	0.86	<5	20	58	65	5.23	<50
W423391		2.69	0.001	<1	1.03	10	230	<5	<10	1.29	<5	6	14	10	2.27	<50
W423392		3.39	0.065	<1	0.79	300	200	<5	<10	1.77	<5	7	11	15	1.85	<50
W423393		3.45	0.008	<1	0.79	270	190	<5	<10	1.59	<5	8	10	13	1.82	<50
W423394		5.81	0.017	<1	1.09	<10	260	<5	<10	0.95	<5	<5	12	7	2.05	<50
W423395		6.89	0.020	<1	1.26	<10	290	<5	<10	0.74	<5	6	15	6	2.25	<50
W423396		0.06	<0.001	<1	<0.05	<10	<50	<5	<10	38.6	<5	<5	<5	<5	<0.05	<50
W423397		4.13	<0.001	<1	1.30	<10	300	<5	<10	0.71	<5	<5	13	5	2.30	<50
W423398		1.82	0.005	<1	0.91	<10	200	<5	<10	1.32	<5	5	11	6	2.07	<50
W423399		3.65	<0.001	<1	1.17	<10	270	<5	<10	0.57	<5	7	14	<5	2.28	<50
W423400		2.71	0.103	<1	0.57	430	190	<5	<10	2.76	<5	5	8	16	1.70	<50
W423401		2.46	0.002	<1	0.93	<10	210	<5	<10	0.90	<5	5	12	11	2.05	<50
W423402		2.21	0.002	<1	0.88	20	150	<5	<10	0.96	<5	<5	11	14	2.05	<50
W423403		5.59	<0.001	<1	1.07	<10	190	<5	<10	0.60	<5	5	13	9	2.11	<50
W423404		2.95	0.022	<1	0.86	70	190	<5	<10	1.47	<5	<5	8	17	1.90	<50
W423405		5.23	0.378	<1	1.06	<10	220	<5	<10	0.90	<5	<5	13	5	1.96	<50
W423406		2.24	<0.001	<1	1.07	<10	230	<5	<10	0.72	<5	<5	11	10	2.00	<50
W423407		2.30	0.622	<1	0.76	12200	220	<5	50	1.88	<5	8	9	33	4.16	<50
W423408		2.38	<0.001	<1	1.14	20	240	<5	<10	0.56	<5	5	11	<5	2.08	<50
W423409		4.93	0.008	<1	1.01	<10	200	<5	<10	0.78	<5	7	15	14	2.16	<50
W423410		0.06	0.574	<1	1.61	70	60	<5	<10	0.82	<5	22	55	60	4.97	<50
W423411		6.44	<0.001	<1	0.98	<10	210	<5	<10	1.21	<5	7	13	35	2.21	<50
W423412		3.54	<0.001	<1	1.09	<10	300	<5	<10	0.81	<5	5	13	11	1.90	<50
W423413		2.98	0.004	<1	0.84	<10	220	<5	<10	1.62	<5	8	9	19	1.82	<50
W423414		4.09	0.195	<1	0.75	300	180	<5	<10	2.26	<5	7	9	41	2.25	<50
W423415		2.45	0.008	<1	0.91	20	190	<5	<10	1.40	<5	9	8	35	2.12	<50

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SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
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CERTIFICATE OF ANALYSIS WH17178038

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	5	0.05	50	0.05	30	5	0.05	5	50	10	0.05	10	5	5	100
W423376		<5	0.49	50	0.31	390	<5	<0.05	<5	400	10	0.17	10	<5	68	<100
W423377		<5	0.75	50	0.41	430	<5	0.10	5	450	10	0.19	10	5	38	<100
W423378		<5	0.40	<50	0.25	700	<5	<0.05	7	400	30	0.45	10	<5	83	<100
W423379		<5	0.74	50	0.42	400	<5	0.12	7	400	20	0.30	<10	5	44	<100
W423380		<5	0.60	50	0.40	330	<5	0.10	5	420	10	0.47	10	<5	46	<100
W423381		<5	0.39	50	0.36	300	<5	0.05	<5	410	10	0.53	<10	<5	34	<100
W423382		<5	0.35	<50	0.23	430	<5	<0.05	9	390	110	1.10	10	<5	41	<100
W423383		<5	0.33	<50	0.21	440	<5	<0.05	6	370	20	0.70	<10	<5	65	<100
W423384		<5	0.33	<50	0.20	500	<5	<0.05	<5	380	20	0.71	10	<5	85	<100
W423385		<5	0.51	50	0.34	380	<5	0.07	<5	450	30	0.42	<10	<5	44	<100
W423386		<5	0.27	60	0.15	480	<5	0.07	<5	540	10	0.15	10	<5	177	<100
W423387		<5	0.47	50	0.37	370	<5	0.07	<5	440	30	0.18	10	<5	57	<100
W423388		<5	0.31	50	0.24	400	<5	<0.05	5	440	10	0.38	<10	<5	92	<100
W423389		<5	0.33	50	0.28	360	<5	0.05	<5	420	20	0.31	<10	<5	77	<100
W423390		<5	0.38	<50	1.51	470	<5	0.63	86	1180	50	2.43	<10	<5	213	<100
W423391		<5	0.47	50	0.44	420	<5	0.08	9	430	10	0.39	<10	<5	56	<100
W423392		<5	0.33	50	0.24	320	<5	0.06	7	430	10	0.36	<10	<5	58	<100
W423393		<5	0.39	<50	0.23	380	<5	0.06	<5	390	20	0.37	<10	<5	45	<100
W423394		<5	0.58	50	0.34	360	<5	0.07	<5	390	20	0.18	<10	<5	48	<100
W423395		<5	0.66	50	0.39	380	<5	0.09	5	400	10	0.18	<10	<5	44	<100
W423396		<5	<0.05	<50	0.14	50	<5	<0.05	<5	70	<10	0.06	<10	<5	970	<100
W423397		<5	0.73	50	0.40	400	<5	0.10	5	420	20	0.21	<10	<5	49	<100
W423398		<5	0.45	50	0.31	450	<5	0.05	5	440	20	0.31	10	<5	50	<100
W423399		<5	0.64	50	0.41	410	<5	0.08	<5	440	20	0.24	<10	<5	36	<100
W423400		<5	0.30	<50	0.14	490	<5	<0.05	<5	420	10	0.53	10	<5	92	<100
W423401		<5	0.46	50	0.37	310	<5	0.08	<5	420	20	0.41	<10	<5	48	<100
W423402		<5	0.40	50	0.34	320	<5	0.06	<5	450	20	0.49	10	<5	63	<100
W423403		<5	0.60	50	0.37	330	<5	0.09	<5	430	10	0.34	<10	<5	28	<100
W423404		<5	0.51	50	0.25	340	<5	<0.05	<5	410	20	0.42	<10	<5	45	<100
W423405		<5	0.63	50	0.35	340	<5	0.07	<5	420	30	0.12	<10	<5	51	<100
W423406		<5	0.62	50	0.36	330	<5	0.07	5	410	10	0.08	<10	<5	31	<100
W423407		<5	0.43	<50	0.19	370	<5	<0.05	<5	380	10	2.79	10	<5	49	<100
W423408		<5	0.66	50	0.38	350	<5	0.07	<5	390	20	0.05	<10	<5	31	<100
W423409		<5	0.52	50	0.37	340	<5	0.07	14	430	30	0.30	<10	<5	50	<100
W423410		<5	0.36	<50	1.43	430	<5	0.59	80	1130	40	2.30	10	<5	210	<100
W423411		<5	0.51	50	0.38	310	<5	0.07	<5	480	10	0.45	<10	<5	55	<100
W423412		<5	0.57	50	0.39	300	<5	0.09	7	450	20	0.12	<10	<5	45	<100
W423413		<5	0.42	60	0.36	350	<5	<0.05	6	490	10	0.22	10	<5	74	<100
W423414		<5	0.33	50	0.32	410	<5	0.05	<5	500	20	0.85	10	<5	90	<100
W423415		<5	0.35	60	0.41	160	<5	0.06	<5	500	20	0.51	<10	<5	61	<100

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178038

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Ti	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	50	50	5	50	10
W423376		0.08	<50	<50	14	<50	60
W423377		0.16	<50	<50	24	<50	90
W423378		<0.05	<50	<50	6	<50	40
W423379		0.16	<50	<50	23	<50	80
W423380		0.14	<50	<50	23	<50	50
W423381		0.10	<50	<50	18	<50	50
W423382		0.05	<50	<50	10	<50	50
W423383		<0.05	<50	<50	8	<50	50
W423384		<0.05	<50	<50	6	<50	30
W423385		0.11	<50	<50	18	<50	70
W423386		<0.05	<50	<50	9	90	10
W423387		0.10	<50	<50	19	<50	70
W423388		<0.05	<50	<50	11	<50	40
W423389		0.05	<50	<50	13	<50	50
W423390		0.46	<50	<50	57	<50	100
W423391		0.11	<50	<50	19	<50	60
W423392		0.05	<50	<50	12	<50	40
W423393		0.06	<50	<50	11	<50	40
W423394		0.12	<50	<50	19	<50	70
W423395		0.14	<50	<50	22	<50	80
W423396		<0.05	<50	<50	8	<50	10
W423397		0.15	<50	<50	22	<50	90
W423398		0.09	<50	<50	16	<50	70
W423399		0.15	<50	<50	22	<50	80
W423400		<0.05	<50	<50	6	<50	30
W423401		0.12	<50	<50	18	<50	40
W423402		0.10	<50	<50	19	<50	50
W423403		0.13	<50	<50	18	<50	60
W423404		0.08	<50	<50	12	<50	50
W423405		0.13	<50	<50	19	<50	60
W423406		0.13	<50	<50	19	<50	60
W423407		<0.05	<50	<50	12	<50	30
W423408		0.14	<50	<50	21	<50	70
W423409		0.12	<50	<50	18	<50	70
W423410		0.43	<50	<50	57	<50	90
W423411		0.11	<50	<50	19	<50	40
W423412		0.15	<50	<50	22	<50	40
W423413		0.08	<50	<50	15	<50	30
W423414		<0.05	<50	<50	12	<50	20
W423415		0.09	<50	<50	18	<50	20

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178038

Sample Description	Method	WEI-21	Au-ICP22	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.001	1	0.05	10	50	5	10	0.05	5	5	5	5	0.05	50
W423416		0.07	<0.001	<1	<0.05	<10	<50	<5	<10	40.4	<5	5	<5	<5	<0.05	<50
W423417		1.70	0.036	<1	0.71	170	230	<5	<10	2.10	<5	<5	8	21	1.71	<50
W423418		3.65	0.006	<1	0.58	10	100	<5	<10	2.07	<5	6	7	14	1.99	<50
W423419		3.04	4.46	1	0.51	3340	180	<5	360	3.87	<5	<5	7	34	4.75	<50
W423420		3.26	0.018	<1	0.45	40	160	<5	<10	3.60	<5	<5	5	13	1.11	<50
W423421		3.04	0.015	<1	0.50	200	160	<5	<10	2.95	<5	6	7	21	1.82	<50
W423422		2.68	0.147	<1	0.44	280	140	<5	<10	4.08	<5	6	6	29	2.05	<50
W423423		4.37	0.061	<1	1.02	<10	260	<5	<10	1.25	<5	5	12	7	2.16	<50
W423424		3.62	0.012	<1	0.66	210	220	<5	<10	3.60	<5	7	6	7	1.36	<50
W423425		2.32	0.001	4	0.63	640	90	<5	<10	1.58	<5	9	6	16	1.86	<50
W423426		3.97	0.077	<1	0.60	380	180	<5	<10	2.19	<5	6	8	17	1.74	<50
W423427		3.58	<0.001	<1	1.39	20	380	<5	<10	0.61	<5	8	17	<5	2.31	<50
W423428		2.87	<0.001	<1	1.28	<10	340	<5	<10	0.66	<5	6	12	10	2.27	<50
W423429		<0.02	<0.001	<1	1.31	10	340	<5	<10	0.87	<5	8	14	11	2.31	<50
W423430		3.44	0.726	<1	0.50	11500	160	<5	<10	2.30	<5	9	8	38	3.05	<50
W423431		2.12	0.045	<1	0.57	220	180	<5	<10	2.43	<5	<5	6	14	1.73	<50
W423432		3.17	1.445	<1	0.50	33000	160	<5	<10	1.79	<5	45	8	20	4.08	<50
W423433		3.75	0.059	<1	0.52	940	180	<5	<10	2.35	<5	6	7	22	1.77	<50
W423434		5.03	0.259	<1	0.68	2850	200	<5	<10	3.24	<5	6	7	16	1.34	<50
W423435		2.73	0.415	<1	0.54	9620	140	<5	<10	2.64	<5	14	8	35	2.71	<50
W423436		2.42	0.062	<1	0.84	10	200	<5	<10	1.88	<5	<5	10	18	2.03	<50
W423437		5.38	0.001	<1	1.23	<10	290	<5	<10	1.22	<5	<5	15	<5	2.12	<50
W423438		5.95	<0.001	<1	1.48	<10	370	<5	<10	0.68	<5	5	15	11	2.35	<50
W423439		4.50	<0.001	<1	1.36	<10	290	<5	<10	0.69	<5	6	16	6	2.47	<50
W423440		3.14	8.83	<1	0.73	7580	200	<5	220	1.66	<5	12	11	26	4.21	<50
W423441		3.82	0.927	<1	0.79	7140	210	<5	10	1.67	<5	6	11	19	3.16	<50
W423442		3.52	0.202	<1	1.05	2620	270	<5	10	1.22	<5	6	12	30	3.08	<50
W423443		2.33	0.002	<1	1.10	10	290	<5	<10	1.08	<5	7	14	<5	2.05	<50
W423444		4.35	<0.001	<1	1.21	<10	330	<5	<10	0.61	<5	6	18	9	1.97	<50
W423445		3.22	<0.001	1	1.10	70	250	<5	<10	0.62	<5	9	13	18	1.99	<50
W423446		6.38	<0.001	<1	1.36	<10	350	<5	<10	0.59	<5	<5	13	7	2.24	<50
W423447		5.21	<0.001	<1	1.27	<10	330	<5	<10	0.58	<5	6	12	6	2.13	<50
W423448		4.88	0.037	<1	0.59	80	160	<5	<10	2.85	<5	7	11	12	1.59	<50
W423449		3.97	<0.001	<1	1.19	110	240	<5	<10	0.85	<5	7	10	8	2.15	<50
W423450		0.05	0.992	1	1.25	60	50	<5	<10	0.63	<5	20	46	75	4.57	<50
W423451		4.34	<0.001	<1	0.76	170	170	<5	<10	2.12	<5	<5	8	<5	1.50	<50
W423452		3.50	0.001	<1	1.10	110	220	<5	<10	1.36	<5	6	10	5	2.10	<50
W423453		6.35	<0.001	<1	1.28	<10	320	<5	<10	0.69	<5	7	14	7	2.19	<50
W423454		5.74	<0.001	<1	0.79	20	230	<5	<10	1.16	<5	5	11	<5	1.24	<50
W423455		3.12	<0.001	<1	0.48	<10	90	<5	<10	3.47	<5	<5	8	<5	0.52	<50

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178038

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	5	0.05	50	0.05	30	5	0.05	5	50	10	0.05	10	5	5	100
W423416		<5	<0.05	<50	0.15	50	<5	<0.05	<5	50	10	<0.05	<10	<5	1030	<100
W423417		<5	0.31	50	0.35	410	<5	<0.05	<5	460	10	0.29	10	<5	95	<100
W423418		<5	0.20	60	0.36	320	<5	<0.05	<5	450	30	0.17	<10	<5	129	<100
W423419		<5	0.29	<50	0.30	660	<5	<0.05	<5	360	140	3.97	30	<5	140	<100
W423420		<5	0.25	50	0.20	620	<5	<0.05	<5	440	10	0.32	10	<5	173	<100
W423421		<5	0.32	<50	0.23	610	<5	<0.05	<5	380	10	0.58	<10	<5	132	<100
W423422		<5	0.27	<50	0.31	750	<5	<0.05	5	340	20	0.80	10	<5	137	<100
W423423		<5	0.50	50	0.36	370	<5	0.07	<5	400	10	0.15	<10	<5	108	<100
W423424		<5	0.33	50	0.35	510	<5	<0.05	7	490	10	0.05	<10	<5	118	<100
W423425		<5	0.24	60	0.11	270	<5	<0.05	9	440	20	<0.05	<10	<5	95	<100
W423426		<5	0.33	<50	0.23	670	<5	<0.05	<5	410	<10	0.24	<10	<5	94	<100
W423427		<5	0.76	60	0.41	370	<5	0.11	<5	460	10	0.06	<10	5	45	<100
W423428		<5	0.71	60	0.42	370	<5	0.10	5	450	10	0.16	20	5	42	<100
W423429		<5	0.72	60	0.42	360	<5	0.11	<5	450	10	0.16	<10	5	47	<100
W423430		<5	0.33	<50	0.21	500	<5	<0.05	5	430	10	1.43	20	<5	83	<100
W423431		<5	0.30	50	0.24	430	<5	<0.05	<5	450	20	0.14	10	<5	100	<100
W423432		<5	0.32	<50	0.18	410	<5	<0.05	20	380	10	2.07	10	<5	70	<100
W423433		<5	0.35	<50	0.17	490	<5	<0.05	<5	390	10	0.77	<10	<5	93	<100
W423434		<5	0.46	<50	0.24	600	<5	<0.05	<5	450	10	0.44	<10	<5	120	<100
W423435		<5	0.32	<50	0.40	450	<5	<0.05	6	380	10	1.27	20	<5	99	<100
W423436		<5	0.34	50	0.29	370	<5	0.05	5	470	20	0.43	10	<5	78	<100
W423437		<5	0.62	50	0.39	360	<5	0.09	5	440	10	0.06	<10	<5	58	<100
W423438		<5	0.76	60	0.42	380	<5	0.14	<5	460	10	0.17	10	5	61	<100
W423439		<5	0.64	50	0.43	360	<5	0.14	<5	450	20	0.56	10	5	62	<100
W423440		<5	0.34	<50	0.25	420	<5	<0.05	<5	390	110	2.95	20	<5	60	<100
W423441		<5	0.40	<50	0.24	420	<5	<0.05	6	420	30	1.85	<10	<5	64	<100
W423442		<5	0.59	50	0.30	480	<5	0.05	5	390	10	1.20	10	<5	39	<100
W423443		<5	0.57	50	0.33	360	<5	0.05	6	400	20	0.07	<10	<5	47	<100
W423444		<5	0.63	50	0.37	280	<5	0.11	8	410	10	0.14	<10	<5	46	<100
W423445		<5	0.55	50	0.38	320	<5	0.07	7	430	20	0.21	10	<5	31	<100
W423446		<5	0.75	50	0.39	380	<5	0.08	<5	400	20	0.05	10	5	40	<100
W423447		<5	0.71	50	0.38	360	<5	0.07	<5	410	20	<0.05	<10	<5	44	<100
W423448		<5	0.37	<50	0.20	600	<5	<0.05	7	340	10	0.24	<10	<5	97	<100
W423449		<5	0.52	<50	0.37	340	<5	<0.05	11	420	20	0.05	<10	<5	42	<100
W423450		<5	0.32	<50	1.18	370	<5	0.50	70	910	60	2.47	<10	<5	145	<100
W423451		<5	0.40	<50	0.19	430	<5	<0.05	6	350	20	<0.05	<10	<5	62	<100
W423452		<5	0.52	50	0.33	390	<5	<0.05	<5	410	20	<0.05	10	<5	60	<100
W423453		<5	0.67	50	0.39	360	<5	0.08	11	460	30	0.07	10	<5	43	<100
W423454		<5	0.29	50	0.26	240	<5	0.06	<5	420	20	<0.05	<10	<5	58	<100
W423455		<5	0.07	70	0.19	310	<5	0.09	6	570	10	<0.05	10	<5	135	<100

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Finalized Date: 27-SEP-2017
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CERTIFICATE OF ANALYSIS WH17178038

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Ti	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	50	50	5	50	10
W423416		<0.05	<50	<50	12	<50	10
W423417		0.06	<50	<50	12	<50	20
W423418		<0.05	<50	<50	8	<50	30
W423419		<0.05	<50	<50	6	<50	10
W423420		<0.05	<50	<50	<5	<50	10
W423421		<0.05	<50	<50	5	<50	20
W423422		<0.05	<50	<50	6	<50	20
W423423		0.08	<50	<50	15	<50	50
W423424		<0.05	<50	<50	8	<50	20
W423425		<0.05	<50	<50	7	<50	50
W423426		<0.05	<50	<50	10	<50	30
W423427		0.17	<50	<50	26	<50	70
W423428		0.16	<50	<50	25	<50	60
W423429		0.16	<50	<50	24	<50	60
W423430		<0.05	<50	<50	5	<50	30
W423431		<0.05	<50	<50	5	<50	100
W423432		<0.05	<50	<50	6	<50	50
W423433		<0.05	<50	<50	<5	<50	20
W423434		<0.05	<50	<50	6	<50	10
W423435		<0.05	<50	<50	5	<50	10
W423436		0.06	<50	<50	14	<50	40
W423437		0.13	<50	<50	20	<50	50
W423438		0.17	<50	<50	25	<50	60
W423439		0.16	<50	<50	25	<50	60
W423440		<0.05	<50	<50	9	<50	30
W423441		0.05	<50	<50	13	<50	40
W423442		0.08	<50	<50	14	<50	50
W423443		0.12	<50	<50	19	<50	60
W423444		0.14	<50	<50	21	<50	40
W423445		0.14	<50	<50	21	<50	70
W423446		0.14	<50	<50	21	<50	80
W423447		0.14	<50	<50	22	<50	70
W423448		<0.05	<50	<50	7	<50	30
W423449		0.08	<50	<50	18	<50	60
W423450		0.34	<50	<50	45	<50	130
W423451		<0.05	<50	<50	9	<50	60
W423452		0.07	<50	<50	17	<50	70
W423453		0.13	<50	<50	22	<50	60
W423454		0.09	<50	<50	14	<50	30
W423455		0.07	<50	<50	13	100	10

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178038

Sample Description	Method	WEI-21	Au-ICP22	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.001	1	0.05	10	50	5	10	0.05	5	5	5	5	0.05	50
W423456		0.06	<0.001	<1	<0.05	<10	<50	<5	<10	38.2	<5	<5	<5	<5	<0.05	<50
W423457		2.73	0.003	<1	0.47	20	160	<5	<10	3.61	<5	<5	<5	<5	0.59	<50
W423458		3.15	<0.001	<1	0.81	20	330	<5	<10	1.47	<5	5	11	<5	1.32	<50
W423459		3.22	0.045	<1	0.72	<10	290	<5	<10	2.58	<5	5	9	9	1.43	<50
W423460		5.88	<0.001	<1	0.89	<10	280	<5	<10	1.11	<5	6	10	<5	1.43	<50
W423461		5.59	<0.001	<1	1.15	<10	270	<5	<10	0.53	<5	6	15	<5	1.84	<50
W423462		5.89	<0.001	<1	1.19	<10	280	<5	<10	0.53	<5	5	14	<5	1.90	<50
W423463		6.21	<0.001	<1	1.27	20	330	<5	<10	0.73	<5	5	15	8	2.09	<50
W423464		3.15	0.005	<1	0.98	<10	220	<5	<10	1.35	<5	<5	12	13	2.00	<50
W423465		6.01	<0.001	<1	1.18	<10	260	<5	<10	0.59	<5	5	14	<5	1.91	<50
W423466		4.59	<0.001	<1	0.99	<10	190	<5	<10	0.74	<5	<5	14	<5	1.38	<50
W423467		5.53	<0.001	<1	1.38	<10	320	<5	<10	0.64	<5	<5	14	<5	2.05	<50
W423468		5.72	<0.001	1	1.37	<10	320	<5	<10	0.63	<5	<5	14	<5	2.21	<50
W423469		<0.02	<0.001	<1	1.39	<10	330	<5	<10	0.63	<5	5	14	<5	2.21	<50
W423470		5.51	<0.001	<1	1.46	<10	340	<5	<10	0.62	<5	6	15	<5	2.30	<50
W423471		3.43	<0.001	<1	1.23	<10	260	<5	<10	0.56	<5	5	14	11	2.13	<50
W423472		2.94	0.400	<1	0.82	5860	210	<5	<10	1.59	<5	9	10	6	2.22	<50
W423473		2.74	1.950	<1	0.92	680	240	<5	10	1.58	<5	6	10	<5	2.67	<50
W423474		2.92	<0.001	<1	1.20	<10	260	<5	<10	0.67	<5	<5	12	<5	2.02	<50
W423475		3.21	0.330	<1	0.68	480	200	<5	<10	2.10	<5	<5	9	19	2.29	<50
W423476		5.48	<0.001	<1	1.42	<10	310	<5	<10	0.58	<5	6	14	5	2.34	<50
W423477		5.38	<0.001	<1	1.52	10	340	<5	<10	0.59	<5	5	14	<5	2.40	<50
W423478		5.77	<0.001	<1	1.40	<10	310	<5	<10	0.66	<5	5	14	<5	2.27	<50
W423479		5.73	0.001	<1	1.22	<10	270	<5	<10	0.60	<5	7	14	<5	1.98	<50
W423480		2.40	<0.001	<1	1.21	<10	250	<5	<10	0.76	<5	5	12	<5	2.10	<50
W423481		2.30	8.87	<1	0.55	6880	180	<5	150	1.77	<5	<5	8	14	4.54	<50
W423482		6.44	0.002	<1	1.38	<10	310	<5	<10	0.52	<5	5	14	<5	2.25	<50
W423483		4.83	0.003	<1	1.36	10	320	<5	<10	0.71	<5	<5	15	<5	2.38	<50
W423484		3.32	0.283	<1	0.82	1020	190	<5	10	1.50	<5	<5	9	27	3.14	<50
W423485		4.47	<0.001	<1	1.28	<10	280	<5	<10	0.66	<5	5	15	10	2.27	<50
W423486		5.01	<0.001	<1	0.98	<10	150	<5	<10	1.57	<5	<5	12	6	2.07	<50
W423487		5.23	<0.001	<1	1.21	<10	260	<5	<10	0.76	<5	<5	17	14	2.25	<50
W423488		5.73	0.006	<1	1.03	<10	220	<5	<10	0.75	<5	<5	14	9	2.17	<50
W423489		1.95	<0.001	<1	1.13	<10	240	<5	<10	0.57	<5	<5	13	11	2.24	<50
W423490		0.07	0.996	<1	1.35	70	60	<5	10	0.67	<5	16	50	80	4.82	<50
W423491		3.45	0.022	<1	0.76	<10	220	<5	<10	2.02	<5	<5	13	13	1.95	<50
W423492		4.85	<0.001	<1	1.27	<10	270	<5	<10	0.61	<5	6	16	14	2.42	<50
W423493		3.02	4.77	<1	0.93	690	240	<5	40	1.48	<5	<5	13	7	2.77	<50
W423494		3.26	0.001	<1	1.22	<10	280	<5	<10	0.80	<5	<5	15	<5	2.26	<50
W423495		2.54	0.256	<1	0.64	160	210	<5	10	2.89	<5	<5	9	13	3.02	<50

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178038

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	5	0.05	50	0.05	30	5	0.05	5	50	10	0.05	10	5	5	100
W423456		<5	<0.05	<50	0.14	50	<5	<0.05	<5	50	10	<0.05	<10	<5	978	<100
W423457		<5	0.18	60	0.15	460	<5	<0.05	5	520	<10	<0.05	10	<5	181	<100
W423458		<5	0.32	60	0.26	250	<5	0.07	<5	490	20	<0.05	<10	<5	79	<100
W423459		<5	0.26	50	0.20	370	<5	<0.05	<5	430	20	0.15	<10	<5	74	<100
W423460		<5	0.36	50	0.33	260	<5	0.09	<5	400	20	<0.05	<10	<5	57	<100
W423461		<5	0.67	50	0.33	270	<5	0.09	6	340	20	<0.05	<10	<5	40	<100
W423462		<5	0.69	<50	0.34	280	<5	0.09	<5	370	10	<0.05	<10	<5	39	<100
W423463		<5	0.72	<50	0.36	350	<5	0.10	6	400	20	0.07	10	<5	46	<100
W423464		<5	0.53	50	0.29	400	<5	0.05	<5	400	10	0.18	<10	<5	60	<100
W423465		<5	0.66	50	0.36	300	<5	0.09	6	440	20	<0.05	<10	<5	41	<100
W423466		<5	0.56	50	0.30	190	11	0.10	<5	440	10	<0.05	<10	<5	51	<100
W423467		<5	0.77	50	0.38	290	5	0.13	<5	420	<10	<0.05	10	<5	58	<100
W423468		<5	0.75	50	0.38	350	<5	0.11	5	420	10	<0.05	<10	5	51	<100
W423469		7	0.76	50	0.38	350	<5	0.12	6	420	20	<0.05	10	5	56	<100
W423470		<5	0.82	50	0.39	360	<5	0.12	<5	410	20	0.08	10	5	58	<100
W423471		<5	0.67	50	0.40	300	<5	0.10	8	400	20	0.16	20	<5	39	<100
W423472		<5	0.46	50	0.22	350	<5	<0.05	<5	430	10	0.68	10	<5	60	<100
W423473		<5	0.51	50	0.27	430	<5	<0.05	<5	440	30	1.15	10	<5	62	<100
W423474		<5	0.65	50	0.36	330	<5	0.05	5	430	20	<0.05	10	<5	51	<100
W423475		<5	0.46	<50	0.26	620	<5	<0.05	<5	440	10	0.61	<10	<5	84	<100
W423476		<5	0.79	50	0.41	370	<5	0.12	6	440	20	0.13	<10	5	52	<100
W423477		<5	0.87	50	0.41	370	<5	0.13	<5	420	10	<0.05	<10	5	72	<100
W423478		<5	0.82	60	0.39	350	<5	0.11	<5	430	20	<0.05	10	<5	47	<100
W423479		<5	0.65	50	0.35	320	<5	0.10	<5	440	10	<0.05	<10	<5	42	<100
W423480		<5	0.63	50	0.37	350	<5	0.05	<5	450	20	<0.05	<10	<5	46	<100
W423481		<5	0.39	<50	0.10	470	<5	<0.05	<5	380	130	3.78	40	<5	45	<100
W423482		<5	0.80	50	0.39	350	<5	0.10	<5	410	20	<0.05	10	<5	46	<100
W423483		6	0.77	50	0.40	390	<5	0.09	<5	440	20	0.06	10	<5	48	<100
W423484		<5	0.44	<50	0.30	640	<5	<0.05	<5	380	30	1.63	<10	<5	61	<100
W423485		5	0.65	50	0.40	350	<5	0.10	<5	430	<10	0.27	<10	5	49	<100
W423486		<5	0.44	<50	0.29	670	<5	<0.05	<5	370	20	0.12	10	<5	69	<100
W423487		7	0.66	50	0.41	370	<5	0.11	<5	410	20	0.30	20	<5	48	<100
W423488		<5	0.55	<50	0.36	320	<5	0.07	8	410	20	0.39	10	<5	44	<100
W423489		6	0.62	50	0.39	310	<5	0.10	<5	400	10	0.39	10	<5	44	<100
W423490		5	0.34	<50	1.24	380	<5	0.53	65	920	60	2.61	<10	<5	153	<100
W423491		<5	0.45	<50	0.24	450	<5	<0.05	<5	410	10	0.27	10	<5	94	<100
W423492		<5	0.67	50	0.41	340	<5	0.11	<5	420	20	0.41	<10	<5	52	<100
W423493		<5	0.53	<50	0.34	570	<5	<0.05	<5	390	40	1.14	<10	<5	62	<100
W423494		<5	0.65	50	0.38	350	<5	0.06	<5	430	20	0.06	10	<5	41	<100
W423495		<5	0.40	<50	0.33	830	<5	<0.05	<5	380	20	1.21	10	<5	123	<100

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103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178038

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Ti	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	50	50	5	50	10
W423456		<0.05	<50	<50	12	<50	<10
W423457		<0.05	<50	<50	5	240	10
W423458		0.08	<50	<50	14	50	20
W423459		<0.05	<50	<50	9	<50	20
W423460		0.14	<50	<50	19	290	30
W423461		0.13	<50	<50	19	<50	40
W423462		0.14	<50	<50	21	<50	40
W423463		0.14	<50	<50	21	<50	70
W423464		0.09	<50	<50	15	<50	50
W423465		0.15	<50	<50	22	<50	50
W423466		0.18	<50	<50	20	<50	20
W423467		0.15	<50	<50	23	<50	40
W423468		0.15	<50	<50	23	<50	60
W423469		0.16	<50	<50	21	<50	60
W423470		0.16	<50	<50	24	<50	60
W423471		0.15	<50	<50	23	<50	50
W423472		0.06	<50	<50	11	<50	30
W423473		0.07	<50	<50	13	<50	50
W423474		0.13	<50	<50	17	<50	70
W423475		<0.05	<50	<50	9	<50	40
W423476		0.16	<50	<50	23	<50	70
W423477		0.17	<50	<50	26	<50	70
W423478		0.15	<50	<50	23	<50	70
W423479		0.17	<50	<50	20	<50	60
W423480		0.13	<50	<50	19	<50	70
W423481		<0.05	<50	<50	<5	<50	30
W423482		0.15	<50	<50	21	<50	60
W423483		0.15	<50	<50	20	<50	70
W423484		<0.05	<50	<50	9	<50	50
W423485		0.14	<50	<50	19	<50	60
W423486		<0.05	<50	<50	9	<50	60
W423487		0.15	<50	<50	21	<50	80
W423488		0.12	<50	<50	15	<50	90
W423489		0.14	<50	<50	18	<50	60
W423490		0.35	<50	<50	44	<50	140
W423491		0.05	<50	<50	8	<50	40
W423492		0.15	<50	<50	20	<50	60
W423493		0.08	<50	<50	11	<50	50
W423494		0.14	<50	<50	17	<50	70
W423495		<0.05	<50	<50	6	<50	40

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SUITE 279
HALIFAX NS B3M 3Y7

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CERTIFICATE OF ANALYSIS WH17178038

Sample Description	Method	WEI-21	Au-ICP22	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.001	1	0.05	10	50	5	10	0.05	5	5	5	5	0.05	50
W423496		0.07	<0.001	<1	<0.05	<10	<50	<5	<10	38.0	<5	<5	<5	<5	<0.05	<50
W423497		5.81	<0.001	<1	1.30	10	280	<5	<10	0.63	<5	<5	16	<5	2.35	<50
W423498		5.74	0.003	<1	1.25	<10	290	<5	<10	0.79	<5	<5	16	<5	2.27	<50
W423499		3.82	0.028	<1	0.70	30	210	<5	<10	3.53	<5	<5	11	10	2.39	<50
W423500		3.59	0.089	<1	0.85	10	210	<5	<10	1.50	<5	<5	13	5	1.95	<50
W423501		4.56	5.02	<1	0.68	2460	220	<5	100	1.52	<5	<5	10	9	4.30	<50
W423502		4.16	0.068	<1	0.76	270	220	<5	10	1.64	<5	<5	11	<5	1.65	<50
W423503		2.46	0.015	<1	0.87	<10	230	<5	<10	1.62	<5	<5	12	8	1.98	<50
W423504		4.69	0.011	<1	0.98	10	230	<5	10	1.25	<5	5	13	8	2.05	<50
W423505		6.16	<0.001	<1	1.53	<10	310	<5	10	0.56	<5	<5	17	<5	2.39	<50
W423506		5.37	0.002	<1	1.47	<10	330	<5	<10	0.65	<5	5	14	<5	2.42	<50
W423507		4.87	0.005	<1	1.42	<10	220	<5	<10	0.89	<5	5	15	<5	2.15	<50
W423508		2.55	0.001	<1	1.33	80	220	<5	<10	1.21	<5	6	15	<5	2.28	<50
W423509		1.75	0.682	<1	0.68	9190	170	<5	30	1.41	<5	<5	9	175	6.66	<50
W423510		0.05	1.010	1	1.32	70	50	<5	<10	0.67	<5	18	48	86	4.71	<50
W423511		2.32	<0.001	<1	1.33	20	200	<5	<10	0.93	<5	<5	15	9	2.22	<50
W423512		4.17	<0.001	<1	1.51	<10	210	<5	10	0.66	<5	7	15	<5	2.21	<50
W423513		3.15	<0.001	<1	1.47	10	220	<5	<10	0.73	<5	<5	15	<5	2.26	<50
W423514		5.19	0.008	<1	1.38	130	210	<5	10	1.14	<5	<5	15	<5	2.17	<50
W423515		3.19	0.001	<1	1.30	<10	170	<5	<10	1.05	<5	5	14	5	2.18	<50
W423516		0.05	<0.001	<1	<0.05	10	<50	<5	<10	38.2	<5	<5	<5	<5	<0.05	<50
W423517		3.40	0.079	<1	1.14	<10	170	<5	<10	1.35	<5	<5	13	18	2.19	<50
W423518		6.02	0.001	<1	1.41	30	230	<5	<10	0.77	<5	5	15	<5	2.22	<50
W423519		3.64	0.009	<1	1.40	<10	250	<5	<10	1.02	<5	<5	13	<5	2.13	<50
W423520		3.11	0.006	<1	1.43	<10	250	<5	10	0.92	<5	5	15	<5	2.18	<50
W423521		3.48	0.016	<1	1.23	500	240	<5	<10	1.20	<5	5	15	24	2.56	<50
W423522		3.14	0.091	<1	1.21	370	240	<5	<10	1.28	<5	6	14	26	2.57	<50
W423523		6.59	0.005	<1	1.48	<10	280	<5	<10	0.82	<5	7	15	<5	2.21	<50
W423524		4.76	<0.001	<1	1.54	<10	290	<5	<10	0.75	<5	5	16	6	2.27	<50
W423525		2.39	0.023	1	1.32	80	240	<5	<10	0.95	<5	<5	14	8	2.29	<50
W423526		3.60	0.367	<1	0.79	400	180	<5	10	1.98	<5	5	10	28	2.47	<50
W423527		5.04	0.034	<1	1.03	420	210	<5	<10	1.71	<5	5	14	27	2.44	<50
W423528		3.41	0.063	<1	1.03	2170	210	<5	<10	1.33	<5	5	13	58	3.17	<50
W423529		<0.02	0.052	<1	1.03	1810	210	<5	<10	1.33	<5	5	13	57	3.04	<50
W423530		6.92	<0.001	<1	1.58	<10	290	<5	<10	0.82	<5	5	17	<5	2.31	<50
W423531		5.73	<0.001	<1	1.54	<10	270	<5	10	0.80	<5	6	17	<5	2.30	<50
W423532		1.97	0.074	<1	1.13	10	220	<5	<10	1.89	<5	<5	12	15	2.38	<50
W423533		4.44	<0.001	<1	1.57	<10	300	<5	10	0.83	<5	<5	17	<5	2.32	<50
W423534		1.84	<0.001	<1	1.45	<10	280	<5	<10	1.11	<5	<5	14	<5	2.26	<50
W423535		7.44	<0.001	<1	1.65	<10	320	<5	<10	0.72	<5	5	18	<5	2.34	<50

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

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

To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178038

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	5	0.05	50	0.05	30	5	0.05	5	50	10	0.05	10	5	5	100
W423496		10	<0.05	<50	0.14	50	<5	<0.05	<5	80	20	<0.05	10	<5	969	<100
W423497		<5	0.72	50	0.41	380	<5	0.08	<5	430	30	<0.05	20	<5	42	<100
W423498		<5	0.69	50	0.40	380	<5	0.07	<5	430	20	<0.05	<10	<5	47	<100
W423499		<5	0.43	<50	0.56	1260	<5	<0.05	7	380	20	0.50	10	<5	172	<100
W423500		<5	0.44	50	0.30	400	<5	<0.05	<5	430	20	0.24	10	<5	77	<100
W423501		5	0.39	<50	0.23	440	<5	<0.05	<5	400	30	3.36	10	<5	69	<100
W423502		<5	0.45	<50	0.22	390	<5	<0.05	6	410	30	0.31	20	<5	86	<100
W423503		<5	0.51	<50	0.28	350	<5	<0.05	7	410	20	0.33	10	<5	86	<100
W423504		<5	0.54	<50	0.33	380	<5	0.06	<5	410	20	0.26	<10	<5	67	<100
W423505		<5	0.84	50	0.42	370	<5	0.13	<5	450	10	0.11	<10	5	56	<100
W423506		<5	0.85	50	0.42	370	<5	0.10	<5	450	20	0.05	<10	5	44	<100
W423507		<5	0.71	<50	0.51	420	<5	0.08	5	540	20	<0.05	<10	<5	59	<100
W423508		<5	0.70	<50	0.49	460	<5	0.07	<5	560	30	<0.05	10	<5	62	<100
W423509		<5	0.46	<50	0.28	550	<5	<0.05	<5	490	20	3.60	<10	<5	44	<100
W423510		<5	0.34	<50	1.19	370	<5	0.52	65	860	60	2.55	10	<5	150	<100
W423511		<5	0.64	<50	0.50	480	<5	0.06	<5	530	30	0.06	<10	<5	64	<100
W423512		5	0.74	<50	0.55	400	<5	0.09	<5	550	20	<0.05	10	<5	57	<100
W423513		<5	0.73	<50	0.55	420	<5	0.09	<5	530	30	<0.05	<10	<5	67	<100
W423514		<5	0.69	<50	0.52	450	<5	0.06	7	540	30	<0.05	10	<5	65	<100
W423515		5	0.55	<50	0.51	440	<5	0.05	<5	520	30	<0.05	10	<5	67	<100
W423516		7	<0.05	<50	0.14	50	<5	<0.05	<5	70	10	<0.05	<10	<5	969	<100
W423517		<5	0.55	<50	0.44	470	<5	<0.05	7	510	10	0.15	10	<5	64	<100
W423518		<5	0.74	<50	0.53	440	<5	0.08	<5	520	30	<0.05	10	<5	60	<100
W423519		<5	0.74	<50	0.50	430	<5	0.07	5	510	30	<0.05	<10	<5	62	<100
W423520		<5	0.75	<50	0.50	460	<5	0.08	<5	540	30	<0.05	10	<5	61	<100
W423521		6	0.65	<50	0.41	440	<5	0.06	<5	500	30	0.46	<10	<5	57	<100
W423522		6	0.66	<50	0.40	450	<5	0.06	<5	520	20	0.50	10	<5	57	<100
W423523		<5	0.80	<50	0.53	440	<5	0.09	<5	530	30	<0.05	10	<5	59	<100
W423524		6	0.81	<50	0.55	410	<5	0.10	<5	530	30	<0.05	10	<5	57	<100
W423525		5	0.70	<50	0.52	480	<5	0.07	<5	530	30	0.12	<10	<5	54	<100
W423526		7	0.50	<50	0.33	600	<5	<0.05	<5	500	30	0.53	10	<5	83	<100
W423527		5	0.57	<50	0.44	570	<5	<0.05	<5	500	10	0.45	10	<5	76	<100
W423528		<5	0.55	<50	0.38	490	<5	0.05	6	480	30	0.93	10	<5	51	<100
W423529		<5	0.55	<50	0.39	490	<5	<0.05	<5	500	30	0.85	10	<5	53	<100
W423530		6	0.86	<50	0.56	420	<5	0.11	<5	570	20	<0.05	10	<5	69	<100
W423531		5	0.78	<50	0.57	390	<5	0.10	<5	540	20	<0.05	<10	<5	58	<100
W423532		<5	0.63	<50	0.39	520	<5	0.05	<5	560	30	0.23	<10	<5	64	<100
W423533		<5	0.86	<50	0.56	400	<5	0.11	7	560	20	<0.05	10	<5	67	<100
W423534		<5	0.80	<50	0.52	410	<5	0.07	<5	520	20	<0.05	<10	<5	65	<100
W423535		<5	0.91	<50	0.57	400	<5	0.12	<5	530	20	<0.05	10	<5	66	<100

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

ALS Canada Ltd.
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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178038

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Ti	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	50	50	5	50	10
W423496		<0.05	<50	<50	7	<50	10
W423497		0.15	<50	<50	20	<50	80
W423498		0.14	<50	<50	18	<50	70
W423499		<0.05	<50	<50	7	<50	40
W423500		0.06	<50	<50	9	<50	60
W423501		<0.05	<50	<50	6	<50	30
W423502		<0.05	<50	<50	5	<50	50
W423503		0.08	<50	<50	12	<50	40
W423504		0.09	<50	<50	14	<50	50
W423505		0.17	<50	<50	22	<50	70
W423506		0.16	<50	<50	21	<50	70
W423507		0.16	<50	<50	17	<50	60
W423508		0.13	<50	<50	18	<50	50
W423509		<0.05	<50	<50	5	<50	30
W423510		0.35	<50	<50	40	<50	150
W423511		0.13	<50	<50	17	<50	60
W423512		0.18	<50	<50	19	<50	60
W423513		0.17	<50	<50	19	<50	60
W423514		0.15	<50	<50	18	<50	60
W423515		0.14	<50	<50	17	<50	50
W423516		<0.05	<50	<50	7	<50	10
W423517		0.11	<50	<50	12	<50	40
W423518		0.17	<50	<50	19	<50	60
W423519		0.16	<50	<50	16	<50	50
W423520		0.16	<50	<50	17	<50	50
W423521		0.12	<50	<50	14	<50	40
W423522		0.12	<50	<50	15	<50	40
W423523		0.18	<50	<50	19	<50	60
W423524		0.20	<50	<50	21	<50	60
W423525		0.15	<50	<50	18	<50	50
W423526		0.05	<50	<50	5	<50	30
W423527		0.08	<50	<50	10	<50	40
W423528		0.08	<50	<50	11	<50	40
W423529		0.09	<50	<50	12	<50	40
W423530		0.20	<50	<50	21	<50	50
W423531		0.18	<50	<50	22	<50	50
W423532		0.10	<50	<50	13	<50	40
W423533		0.19	<50	<50	22	<50	50
W423534		0.14	<50	<50	19	<50	50
W423535		0.21	<50	<50	23	<50	50

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178038

Sample Description	Method	WEI-21	Au-ICP22	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.001	1	0.05	10	50	5	10	0.05	5	5	5	5	0.05	50
W423536		3.03	<0.001	<1	1.65	10	320	<5	<10	0.74	<5	7	17	<5	2.36	<50
W423537		2.08	0.030	<1	1.30	260	250	<5	<10	1.35	<5	<5	12	16	2.52	<50
W423538		4.53	<0.001	<1	1.55	<10	270	<5	10	0.71	<5	<5	15	<5	2.28	<50
W423539		4.29	<0.001	<1	1.62	<10	300	<5	<10	0.68	<5	5	15	<5	2.25	<50

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178038

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	5	0.05	50	0.05	30	5	0.05	5	50	10	0.05	10	5	5	100
W423536		8	0.86	<50	0.56	400	<5	0.12	<5	540	10	<0.05	10	<5	64	<100
W423537		<5	0.65	<50	0.51	520	<5	0.05	5	530	20	0.21	10	<5	64	<100
W423538		<5	0.78	<50	0.54	410	<5	0.11	<5	510	20	<0.05	20	<5	53	<100
W423539		<5	0.86	<50	0.55	380	<5	0.13	6	530	20	<0.05	<10	<5	65	<100

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178038

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Ti	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	50	50	5	50	10
W423536		0.20	<50	<50	21	<50	50
W423537		0.11	<50	<50	14	<50	40
W423538		0.19	<50	<50	20	<50	50
W423539		0.20	<50	<50	21	<50	50

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

ALS Canada Ltd.

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 27-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178038

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-32	CRU-QC	DRY-22	LOG-21d
	LOG-22	LOG-23	PUL-32	PUL-32d
	PUL-QC	SPL-21	SPL-21d	WEI-21

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

Applies to Method:		
	Au-ICP22	ME-ICP41a

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 23-SEP-2017
Account: ZONMET

CERTIFICATE WH17178035

Project: McConnells Jest

This report is for 135 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 18-AUG-2017.

The following have access to data associated with this certificate:

TERRY CHRISTOPHER		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-32d	Pulverize Split -Dup 85% <75um
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
DRY-22	Drying - Maximum Temp 60C
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate

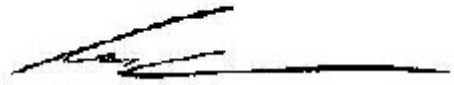
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP22	Au 50g FA ICP-AES finish	ICP-AES
ME-ICP41a	High Grade Aqua Regia ICP-AES	ICP-AES

To: **ZONTE METALS**
ATTN: TERRY CHRISTOPHER
SUITE 279 - 103 - 27 LACEWOOD DRIVE
HALIFAX NS B3M 3Y7

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 23-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178035

Sample Description	Method	WEI-21	Au-ICP22	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.001	1	0.05	10	50	5	10	0.05	5	5	5	5	0.05	50
W423579		2.57	0.005	<1	1.48	10	230	<5	<10	1.08	<5	6	18	27	2.29	<50
W423580		5.15	<0.001	<1	1.61	10	270	<5	<10	0.82	<5	<5	17	8	2.39	<50
W423581		5.94	<0.001	<1	1.68	<10	270	<5	<10	0.84	<5	5	19	7	2.33	<50
W423582		3.75	<0.001	<1	1.66	<10	260	<5	<10	0.86	<5	5	18	<5	2.41	<50
W423583		6.37	<0.001	<1	1.80	10	290	<5	<10	0.75	<5	5	19	7	2.46	<50
W423584		3.15	<0.001	<1	1.60	10	260	<5	10	0.74	<5	<5	22	51	2.39	<50
W423585		5.13	<0.001	1	1.61	20	250	<5	<10	0.94	<5	<5	18	13	2.34	<50
W423586		6.08	<0.001	<1	1.75	20	280	<5	<10	0.74	<5	<5	17	6	2.41	<50
W423587		5.91	<0.001	<1	1.69	<10	250	<5	<10	0.88	<5	6	17	13	2.38	<50
W423588		5.85	<0.001	<1	1.69	10	280	<5	<10	0.93	<5	<5	20	28	2.45	<50
W423589		3.19	<0.001	1	1.44	<10	250	<5	<10	1.00	<5	<5	16	7	2.24	<50
W423590		0.05	1.000	1	1.31	80	50	<5	10	0.69	<5	14	50	77	4.80	<50
W423591		5.80	<0.001	<1	1.61	<10	260	<5	<10	1.06	<5	<5	17	<5	2.35	<50
W423592		6.20	<0.001	<1	1.74	10	300	<5	<10	0.87	<5	<5	18	<5	2.36	<50
W423593		5.99	<0.001	<1	1.65	10	260	<5	<10	0.78	<5	<5	18	11	2.41	<50
W423594		2.04	0.008	<1	1.37	30	190	<5	<10	1.50	<5	<5	13	34	2.32	<50
W423595		3.54	0.009	1	1.57	10	210	<5	<10	0.92	<5	<5	18	6	2.33	<50
W423596		0.05	0.004	<1	<0.05	<10	<50	<5	20	38.2	<5	<5	<5	<5	<0.05	<50
W423597		2.36	0.004	<1	1.55	<10	250	<5	<10	0.91	<5	<5	16	9	2.31	<50
W423598		4.56	0.232	<1	1.28	570	200	<5	<10	1.25	<5	<5	14	34	2.75	<50
W423599		3.86	<0.001	<1	1.50	10	220	<5	<10	0.99	<5	<5	14	<5	2.26	<50
W423600		4.14	0.001	<1	1.51	<10	270	<5	10	1.08	<5	8	15	<5	2.36	<50
W423601		6.25	<0.001	<1	1.64	<10	260	<5	<10	0.81	<5	7	16	<5	2.36	<50
W423602		3.02	<0.001	<1	1.44	<10	240	<5	<10	1.04	<5	<5	15	<5	2.20	<50
W423603		5.95	<0.001	<1	1.64	10	250	<5	<10	0.72	<5	<5	16	<5	2.26	<50
W423604		3.89	<0.001	<1	1.67	20	260	<5	<10	0.78	<5	6	16	5	2.45	<50
W423605		2.49	0.110	<1	1.26	5700	220	<5	10	1.42	<5	9	12	33	2.98	<50
W423606		3.59	<0.001	<1	1.47	<10	250	<5	<10	1.00	<5	<5	15	<5	2.24	<50
W423607		3.22	0.028	<1	1.25	<10	240	<5	<10	1.50	<5	<5	13	9	2.33	<50
W423608		2.99	0.001	<1	1.58	<10	280	<5	<10	0.97	<5	5	16	<5	2.36	<50
W423609		5.64	0.001	<1	1.67	10	290	<5	10	0.81	<5	7	18	<5	2.46	<50
W423610		0.05	0.565	<1	1.55	80	50	<5	<10	0.78	<5	19	52	60	5.05	<50
W423611		2.21	0.004	<1	1.01	<10	210	<5	<10	1.94	<5	<5	11	<5	1.94	<50
W423612		4.37	0.002	<1	1.57	<10	310	<5	<10	0.82	<5	5	17	<5	2.29	<50
W423613		3.54	<0.001	<1	1.54	<10	310	<5	10	0.97	<5	5	16	<5	2.32	<50
W423614		3.45	<0.001	<1	1.57	<10	300	<5	<10	0.78	<5	8	17	<5	2.33	<50
W423615		2.64	<0.001	<1	1.61	<10	300	<5	<10	0.71	<5	8	18	<5	2.44	<50
W423616		0.05	0.002	<1	<0.05	<10	<50	<5	10	38.9	<5	<5	<5	<5	<0.05	<50
W423617		3.34	<0.001	<1	1.59	<10	310	<5	10	0.85	<5	6	19	<5	2.41	<50
W423618		4.87	<0.001	<1	1.38	10	260	<5	<10	1.22	<5	6	14	<5	2.18	<50

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 23-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178035

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	5	0.05	50	0.05	30	5	0.05	5	50	10	0.05	10	5	5	100
W423579		<5	0.70	<50	0.54	410	<5	0.09	7	590	<10	<0.05	<10	<5	63	<100
W423580		<5	0.79	<50	0.56	400	<5	0.13	<5	570	10	<0.05	10	<5	67	<100
W423581		<5	0.81	50	0.56	390	<5	0.15	11	560	10	<0.05	<10	<5	77	<100
W423582		<5	0.78	50	0.57	410	<5	0.13	9	610	<10	<0.05	<10	<5	84	<100
W423583		<5	0.88	50	0.60	420	<5	0.17	7	610	10	<0.05	<10	<5	83	<100
W423584		<5	0.82	50	0.55	390	<5	0.14	12	560	10	<0.05	10	<5	74	<100
W423585		5	0.74	<50	0.56	400	<5	0.12	7	560	10	<0.05	<10	<5	69	<100
W423586		<5	0.85	50	0.58	400	<5	0.17	10	620	10	<0.05	<10	<5	80	<100
W423587		<5	0.78	<50	0.58	400	<5	0.14	8	610	30	<0.05	<10	<5	76	<100
W423588		<5	0.78	50	0.58	420	<5	0.15	<5	570	10	<0.05	<10	<5	83	<100
W423589		<5	0.70	<50	0.51	400	<5	0.11	10	580	<10	<0.05	10	<5	87	<100
W423590		<5	0.32	<50	1.22	380	<5	0.51	71	930	40	2.61	10	<5	151	<100
W423591		<5	0.74	50	0.56	430	<5	0.13	<5	570	10	<0.05	10	<5	88	<100
W423592		<5	0.80	<50	0.59	410	<5	0.15	10	610	10	<0.05	10	<5	81	<100
W423593		<5	0.78	<50	0.59	430	<5	0.12	6	560	10	<0.05	<10	<5	89	<100
W423594		<5	0.68	50	0.55	510	<5	0.08	5	620	<10	0.12	<10	<5	103	<100
W423595		5	0.70	50	0.56	410	<5	0.11	<5	580	<10	<0.05	10	<5	66	<100
W423596		<5	<0.05	<50	0.14	50	<5	<0.05	<5	80	<10	<0.05	10	<5	987	<100
W423597		<5	0.78	50	0.57	420	<5	0.11	6	550	10	<0.05	<10	<5	63	<100
W423598		<5	0.62	<50	0.50	470	<5	0.07	6	540	10	0.46	<10	<5	77	<100
W423599		<5	0.61	50	0.54	400	<5	0.10	6	530	10	<0.05	<10	<5	66	<100
W423600		5	0.76	<50	0.56	450	<5	0.12	7	560	<10	<0.05	10	<5	80	<100
W423601		<5	0.83	50	0.58	410	<5	0.14	6	560	<10	<0.05	10	<5	74	<100
W423602		<5	0.74	<50	0.51	410	<5	0.11	5	540	10	<0.05	20	<5	82	<100
W423603		<5	0.79	<50	0.55	390	<5	0.15	8	560	<10	<0.05	10	<5	71	<100
W423604		<5	0.80	<50	0.59	410	<5	0.15	<5	570	20	<0.05	<10	<5	68	<100
W423605		<5	0.59	<50	0.43	450	<5	0.06	8	480	10	0.78	<10	<5	62	<100
W423606		<5	0.73	<50	0.54	400	<5	0.10	5	530	10	<0.05	<10	<5	66	<100
W423607		<5	0.66	<50	0.48	510	<5	0.08	<5	520	10	0.21	<10	<5	80	<100
W423608		<5	0.80	<50	0.56	420	<5	0.12	5	560	30	<0.05	<10	<5	67	<100
W423609		<5	0.81	<50	0.61	440	<5	0.14	<5	560	10	<0.05	<10	<5	67	<100
W423610		<5	0.35	<50	1.38	420	<5	0.59	73	1030	40	2.30	<10	<5	193	<100
W423611		<5	0.52	<50	0.38	540	<5	0.07	<5	510	10	0.05	<10	<5	88	<100
W423612		<5	0.80	<50	0.56	420	<5	0.14	6	540	30	0.05	<10	<5	63	<100
W423613		<5	0.81	<50	0.52	420	<5	0.14	<5	500	10	0.06	<10	<5	72	<100
W423614		<5	0.78	<50	0.56	410	<5	0.14	9	490	10	<0.05	<10	<5	64	<100
W423615		<5	0.82	<50	0.61	440	<5	0.13	6	510	<10	<0.05	<10	<5	59	<100
W423616		<5	<0.05	<50	0.14	50	<5	<0.05	7	50	<10	0.05	<10	<5	976	<100
W423617		<5	0.82	<50	0.62	440	<5	0.13	<5	520	<10	0.05	<10	<5	60	<100
W423618		<5	0.65	<50	0.48	390	<5	0.10	<5	510	10	<0.05	<10	<5	75	<100

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 23-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178035

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Ti	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	50	50	5	50	10
W423579		0.18	<50	<50	20	<50	80
W423580		0.20	<50	<50	22	<50	70
W423581		0.20	<50	<50	22	<50	60
W423582		0.20	<50	<50	21	<50	60
W423583		0.22	<50	<50	23	<50	140
W423584		0.20	<50	<50	23	<50	70
W423585		0.19	<50	<50	22	<50	60
W423586		0.21	<50	<50	23	<50	70
W423587		0.19	<50	<50	23	<50	140
W423588		0.20	<50	<50	23	<50	80
W423589		0.17	<50	<50	20	<50	70
W423590		0.34	<50	<50	42	<50	150
W423591		0.19	<50	<50	20	<50	60
W423592		0.21	<50	<50	22	<50	70
W423593		0.20	<50	<50	21	<50	140
W423594		0.13	<50	<50	18	<50	60
W423595		0.18	<50	<50	21	<50	60
W423596		<0.05	<50	<50	9	<50	20
W423597		0.19	<50	<50	21	<50	80
W423598		0.12	<50	<50	16	<50	60
W423599		0.15	<50	<50	19	<50	60
W423600		0.18	<50	<50	19	<50	60
W423601		0.21	<50	<50	24	<50	60
W423602		0.17	<50	<50	19	<50	60
W423603		0.20	<50	<50	21	<50	80
W423604		0.19	<50	<50	22	<50	60
W423605		0.08	<50	<50	15	<50	40
W423606		0.17	<50	<50	20	<50	60
W423607		0.12	<50	<50	16	<50	50
W423608		0.19	<50	<50	22	<50	70
W423609		0.21	<50	<50	24	<50	60
W423610		0.42	<50	<50	51	<50	90
W423611		0.08	<50	<50	11	<50	40
W423612		0.20	<50	<50	21	<50	90
W423613		0.19	<50	<50	21	<50	70
W423614		0.20	<50	<50	24	<50	60
W423615		0.21	<50	<50	26	<50	60
W423616		<0.05	<50	<50	9	<50	10
W423617		0.20	<50	<50	26	<50	60
W423618		0.14	<50	<50	18	<50	60

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 23-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178035

Sample Description	Method	WEI-21	Au-ICP22	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.001	1	0.05	10	50	5	10	0.05	5	5	5	5	0.05	50
W423619		5.80	<0.001	<1	1.44	<10	270	<5	<10	0.80	<5	5	16	<5	2.21	<50
W423620		6.09	<0.001	<1	1.56	<10	310	<5	<10	0.71	<5	7	16	<5	2.35	<50
W423621		5.50	<0.001	<1	1.37	20	230	<5	<10	1.20	<5	7	14	<5	2.18	<50
W423622		5.11	<0.001	<1	1.37	<10	230	<5	10	1.25	<5	5	16	<5	2.26	<50
W423623		6.17	<0.001	<1	1.11	10	170	<5	10	1.59	<5	9	14	<5	2.15	<50
W423624		1.77	<0.001	<1	0.81	<10	90	<5	<10	1.70	<5	5	7	11	2.05	<50
W423625		2.87	0.004	<1	0.54	20	180	<5	<10	3.80	<5	6	5	8	2.42	<50
W423626		6.34	<0.001	<1	0.55	<10	290	<5	10	3.11	<5	7	8	<5	2.16	<50
W423627		3.85	<0.001	<1	0.69	<10	<50	<5	<10	2.76	<5	6	8	<5	1.48	<50
W423628		7.29	0.002	<1	0.98	10	140	<5	10	2.10	<5	6	11	7	2.34	<50
W423629		<0.02	0.001	<1	1.01	<10	140	<5	10	1.93	<5	7	13	8	2.28	<50
W423630		6.17	<0.001	<1	1.56	<10	240	<5	10	0.81	<5	6	16	<5	2.39	<50
W423631		5.82	0.004	<1	1.48	10	260	<5	<10	0.90	<5	5	16	<5	2.31	<50
W423632		3.43	<0.001	<1	1.05	10	100	<5	10	1.72	<5	5	11	5	2.40	<50
W423633		5.48	<0.001	<1	1.47	10	220	<5	10	1.29	<5	7	15	<5	2.42	<50
W423634		6.22	0.002	<1	1.32	20	190	<5	10	1.39	<5	7	13	<5	2.32	<50
W423635		5.47	<0.001	<1	1.52	20	230	<5	<10	0.94	<5	6	16	<5	2.42	<50
W423636		6.87	0.004	<1	1.55	<10	230	<5	<10	1.03	<5	7	15	<5	2.37	<50
W423637		5.50	0.001	<1	1.59	20	220	<5	10	0.90	<5	7	15	<5	2.41	<50
W423638		6.08	0.002	<1	1.48	<10	190	<5	<10	1.02	<5	5	15	<5	2.35	<50
W423639		1.88	0.534	<1	0.75	60	110	<5	<10	2.93	<5	<5	9	156	2.90	<50
W423640		5.79	0.001	<1	1.60	20	220	<5	<10	0.75	<5	5	18	<5	2.38	<50
W423641		6.63	0.001	<1	1.51	<10	200	<5	<10	0.80	<5	<5	16	<5	2.28	<50
W423642		5.54	<0.001	<1	1.55	10	220	<5	<10	0.70	<5	5	18	<5	2.34	<50
W423643		6.00	<0.001	<1	1.57	<10	230	<5	<10	0.83	<5	<5	18	<5	2.31	<50
W423644		5.99	<0.001	<1	1.61	10	230	<5	<10	0.74	<5	5	18	<5	2.39	<50
W423645		3.33	<0.001	<1	1.44	<10	200	<5	<10	1.34	<5	5	21	<5	2.45	<50
W423646		2.91	0.277	<1	1.25	520	180	<5	<10	1.47	<5	<5	16	28	2.74	<50
W423647		5.31	0.001	<1	1.58	10	230	<5	<10	0.88	<5	6	18	<5	2.47	<50
W423648		3.05	0.010	<1	1.04	20	160	<5	<10	1.94	<5	<5	13	12	2.23	<50
W423649		3.03	1.060	<1	0.89	16400	150	<5	<10	1.84	<5	11	10	71	5.00	<50
W423650		0.04	0.820	<1	1.27	60	50	<5	10	0.62	<5	14	43	85	4.36	<50
W423651		2.47	0.004	<1	1.41	10	210	<5	<10	1.15	<5	6	16	<5	2.33	<50
W423652		6.20	<0.001	<1	1.68	10	240	<5	<10	0.69	<5	6	18	<5	2.45	<50
W423653		6.48	<0.001	<1	1.64	10	240	<5	<10	0.81	<5	<5	18	<5	2.44	<50
W423654		4.22	<0.001	<1	1.60	10	230	<5	<10	0.81	<5	<5	18	<5	2.41	<50
W423655		3.72	0.012	<1	1.19	50	170	<5	<10	1.46	<5	<5	15	5	2.20	<50
W423656		0.15	0.001	<1	<0.05	20	<50	<5	<10	37.7	<5	<5	<5	<5	<0.05	<50
W423657		2.62	0.001	<1	1.64	10	250	<5	<10	0.69	<5	<5	16	7	2.43	<50
W423658		3.33	0.074	<1	1.12	10	200	<5	<10	1.59	<5	<5	13	11	2.41	<50

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 23-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178035

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	5	0.05	50	0.05	30	5	0.05	5	50	10	0.05	10	5	5	100
W423619		<5	0.66	<50	0.56	390	<5	0.11	5	500	10	<0.05	<10	<5	67	<100
W423620		<5	0.79	<50	0.58	400	<5	0.12	5	490	10	<0.05	<10	<5	68	<100
W423621		<5	0.60	<50	0.52	380	<5	0.09	5	520	10	<0.05	<10	<5	84	<100
W423622		<5	0.61	<50	0.53	410	<5	0.08	<5	490	10	<0.05	<10	<5	86	<100
W423623		<5	0.53	<50	0.49	420	<5	0.07	<5	500	20	<0.05	<10	<5	140	<100
W423624		<5	0.36	<50	0.37	380	<5	<0.05	8	520	30	0.05	<10	<5	205	<100
W423625		<5	0.34	<50	0.64	920	<5	<0.05	5	450	20	0.11	<10	<5	262	<100
W423626		<5	0.17	<50	0.86	430	<5	<0.05	<5	450	20	<0.05	<10	<5	166	<100
W423627		<5	0.10	<50	0.71	280	<5	<0.05	5	520	30	<0.05	<10	<5	102	<100
W423628		<5	0.26	<50	0.58	390	<5	<0.05	<5	500	20	0.05	<10	<5	124	<100
W423629		<5	0.29	<50	0.56	380	<5	<0.05	8	490	30	0.05	<10	<5	119	<100
W423630		<5	0.78	<50	0.56	400	<5	0.12	<5	540	<10	<0.05	<10	<5	82	<100
W423631		<5	0.73	<50	0.56	410	<5	0.11	<5	540	10	0.05	10	<5	80	<100
W423632		<5	0.33	<50	0.45	390	<5	0.07	<5	520	10	0.06	<10	<5	152	<100
W423633		<5	0.59	<50	0.54	460	<5	0.11	<5	560	10	0.06	<10	<5	114	<100
W423634		<5	0.56	<50	0.56	400	<5	0.09	<5	550	10	0.05	<10	<5	94	<100
W423635		<5	0.69	<50	0.58	450	<5	0.13	6	530	10	0.06	<10	<5	76	<100
W423636		<5	0.73	<50	0.57	430	<5	0.12	<5	570	10	0.05	<10	<5	73	<100
W423637		<5	0.71	<50	0.56	460	<5	0.12	7	530	10	0.06	<10	<5	70	<100
W423638		<5	0.63	<50	0.52	390	<5	0.10	5	550	20	<0.05	<10	<5	82	<100
W423639		<5	0.34	<50	0.38	640	<5	<0.05	7	490	20	0.75	<10	<5	106	<100
W423640		<5	0.75	<50	0.59	400	<5	0.10	<5	570	20	<0.05	<10	<5	69	<100
W423641		<5	0.71	<50	0.57	400	<5	0.09	7	560	10	<0.05	<10	<5	61	<100
W423642		<5	0.77	<50	0.56	400	<5	0.10	<5	550	20	<0.05	<10	<5	64	<100
W423643		<5	0.79	<50	0.58	410	<5	0.11	5	560	20	<0.05	<10	<5	67	<100
W423644		<5	0.77	50	0.61	410	<5	0.11	<5	570	30	<0.05	<10	<5	67	<100
W423645		<5	0.67	50	0.54	430	<5	0.06	8	570	10	<0.05	<10	<5	66	<100
W423646		<5	0.60	<50	0.51	510	<5	0.05	5	530	20	0.47	<10	<5	82	<100
W423647		<5	0.79	50	0.58	430	<5	0.10	<5	580	10	<0.05	<10	<5	75	<100
W423648		<5	0.49	50	0.47	530	<5	<0.05	11	560	20	0.06	<10	<5	108	<100
W423649		<5	0.39	<50	0.38	540	<5	<0.05	<5	510	20	2.11	<10	<5	72	<100
W423650		<5	0.28	<50	1.11	360	<5	0.44	64	820	40	2.49	10	<5	162	<100
W423651		<5	0.70	50	0.53	410	<5	0.08	<5	550	20	0.05	<10	<5	82	<100
W423652		<5	0.85	<50	0.60	410	<5	0.12	<5	570	20	<0.05	<10	<5	68	<100
W423653		<5	0.80	<50	0.59	410	<5	0.12	7	570	20	<0.05	<10	<5	80	<100
W423654		<5	0.75	<50	0.58	400	<5	0.11	<5	570	20	<0.05	<10	<5	75	<100
W423655		<5	0.51	<50	0.50	460	<5	<0.05	6	560	10	0.08	<10	<5	98	<100
W423656		<5	<0.05	<50	0.14	50	<5	<0.05	<5	90	<10	<0.05	<10	<5	963	<100
W423657		<5	0.78	<50	0.61	410	<5	0.11	6	560	10	<0.05	<10	<5	65	<100
W423658		<5	0.56	<50	0.51	600	<5	0.05	7	540	20	0.13	<10	<5	93	<100

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 23-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178035

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Ti	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	50	50	5	50	10
W423619		0.17	<50	<50	21	<50	60
W423620		0.19	<50	<50	22	<50	60
W423621		0.11	<50	<50	18	<50	70
W423622		0.10	<50	<50	17	<50	70
W423623		0.06	<50	<50	13	<50	60
W423624		<0.05	<50	<50	7	<50	90
W423625		<0.05	<50	<50	<5	<50	60
W423626		<0.05	<50	<50	8	<50	60
W423627		<0.05	<50	<50	11	<50	60
W423628		<0.05	<50	<50	14	<50	60
W423629		<0.05	<50	<50	13	<50	60
W423630		0.17	<50	<50	22	<50	60
W423631		0.16	<50	<50	22	<50	60
W423632		<0.05	<50	<50	13	<50	60
W423633		0.08	<50	<50	20	<50	60
W423634		0.10	<50	<50	18	<50	60
W423635		0.16	<50	<50	19	<50	80
W423636		0.16	<50	<50	21	<50	60
W423637		0.15	<50	<50	20	<50	80
W423638		0.12	<50	<50	20	<50	60
W423639		<0.05	<50	<50	8	<50	60
W423640		0.17	<50	<50	22	<50	60
W423641		0.17	<50	<50	21	<50	50
W423642		0.18	<50	<50	22	<50	60
W423643		0.18	<50	<50	24	<50	60
W423644		0.19	<50	<50	24	<50	60
W423645		0.11	<50	<50	19	<50	60
W423646		0.09	<50	<50	16	360	50
W423647		0.17	<50	<50	21	<50	60
W423648		0.06	<50	<50	14	<50	40
W423649		<0.05	<50	<50	12	<50	40
W423650		0.33	<50	<50	43	<50	90
W423651		0.14	<50	<50	20	<50	50
W423652		0.20	<50	<50	24	<50	60
W423653		0.17	<50	<50	22	<50	60
W423654		0.17	<50	<50	22	<50	60
W423655		0.08	<50	<50	15	<50	50
W423656		<0.05	<50	<50	9	<50	10
W423657		0.19	<50	<50	23	<50	60
W423658		0.09	<50	<50	15	<50	50

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 23-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178035

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP22 Au ppm 0.001	ME-ICP41a Ag ppm 1	ME-ICP41a Al % 0.05	ME-ICP41a As ppm 10	ME-ICP41a Ba ppm 50	ME-ICP41a Be ppm 5	ME-ICP41a Bi ppm 10	ME-ICP41a Ca % 0.05	ME-ICP41a Cd ppm 5	ME-ICP41a Co ppm 5	ME-ICP41a Cr ppm 5	ME-ICP41a Cu ppm 5	ME-ICP41a Fe % 0.05	ME-ICP41a Ga ppm 50
W423659		5.97	0.001	<1	1.58	20	210	<5	<10	0.89	<5	7	16	<5	2.43	<50
W423660		6.43	0.001	<1	1.47	20	220	<5	<10	1.03	<5	<5	16	5	2.35	<50
W423661		6.23	<0.001	<1	1.49	10	170	<5	<10	0.90	<5	<5	15	<5	2.39	<50
W423662		6.41	<0.001	<1	1.47	10	180	<5	<10	0.88	<5	5	17	<5	2.29	<50
W423663		3.62	<0.001	<1	1.39	<10	210	<5	<10	1.50	<5	5	14	<5	2.21	<50
W423664		5.23	<0.001	<1	1.37	<10	170	<5	<10	1.46	<5	<5	16	<5	2.27	<50
W423665		6.01	0.001	<1	1.41	10	180	<5	<10	1.28	<5	6	16	<5	2.27	<50
W423666		3.84	0.002	<1	1.32	10	140	<5	<10	1.56	<5	5	15	<5	2.32	<50
W423667		4.48	0.001	<1	1.55	10	210	<5	<10	0.99	<5	<5	16	<5	2.34	<50
W423668		2.76	0.002	<1	1.02	380	200	<5	<10	1.97	<5	6	12	12	2.32	<50
W423669		<0.02	0.003	<1	1.01	370	190	<5	<10	1.96	<5	<5	11	12	2.29	<50
W423670		5.31	<0.001	<1	1.47	10	230	<5	<10	1.18	<5	<5	16	8	2.32	<50
W423671		2.76	0.006	<1	1.21	200	230	<5	<10	2.12	<5	5	13	9	2.30	<50
W423672		6.18	<0.001	<1	1.69	10	240	<5	<10	0.73	<5	<5	17	<5	2.38	<50
W423673		4.18	<0.001	<1	1.53	<10	210	<5	<10	1.07	<5	6	16	<5	2.29	<50
W423674		4.52	<0.001	1	1.24	20	170	<5	<10	1.78	<5	5	14	<5	2.21	<50
W423675		6.20	0.001	<1	1.52	<10	220	<5	<10	0.92	<5	6	13	7	2.30	<50
W423676		6.75	0.002	<1	1.44	<10	190	<5	<10	1.09	<5	<5	11	<5	2.21	<50
W423677		6.30	<0.001	<1	1.46	<10	180	<5	<10	1.26	<5	6	12	<5	2.34	<50
W423678		4.44	0.015	<1	1.33	<10	190	<5	<10	1.52	<5	<5	9	5	2.17	<50
W423679		5.32	<0.001	1	1.56	<10	230	<5	<10	1.06	<5	8	11	<5	2.34	<50
W423680		6.01	<0.001	<1	1.51	<10	200	<5	<10	0.99	<5	8	11	<5	2.27	<50
W423681		6.22	<0.001	<1	1.50	<10	230	<5	<10	1.19	<5	<5	13	<5	2.28	<50
W423682		5.39	0.003	<1	1.46	<10	250	<5	<10	1.56	<5	6	10	5	2.28	<50
W423683		5.66	0.001	<1	1.41	30	240	<5	<10	1.18	<5	5	11	<5	2.26	<50
W423684		5.42	0.006	<1	1.53	<10	240	<5	<10	1.27	<5	<5	10	<5	2.36	<50
W423685		4.66	0.002	<1	1.01	10	180	<5	<10	2.17	<5	7	6	5	1.98	<50
W423686		2.47	<0.001	1	1.50	<10	250	<5	<10	0.92	<5	8	11	<5	2.37	<50
W423687		2.50	0.001	<1	0.83	<10	130	<5	<10	2.14	<5	<5	7	<5	1.90	<50
W423688		6.37	0.001	<1	1.46	<10	210	<5	<10	1.25	<5	<5	11	<5	2.36	<50
W423689		4.64	0.038	<1	0.76	170	130	<5	<10	2.42	<5	7	<5	<5	2.48	<50
W423690		0.09	1.015	1	1.29	80	50	<5	<10	0.68	<5	16	44	77	4.72	<50
W423691		6.01	<0.001	<1	1.47	<10	220	<5	<10	1.08	<5	5	12	<5	2.30	<50
W423692		2.74	0.001	<1	1.48	<10	240	<5	<10	1.46	<5	5	9	<5	2.41	<50
W423693		3.31	0.011	<1	1.20	30	160	<5	<10	1.54	<5	<5	9	<5	2.38	<50
W423694		6.72	0.006	<1	1.49	10	240	<5	<10	1.24	<5	8	9	<5	2.34	<50
W423695		2.77	<0.001	1	1.49	10	250	<5	<10	1.01	<5	<5	11	<5	2.37	<50
W423696		0.20	0.001	<1	<0.05	<10	<50	<5	<10	39.4	<5	<5	<5	<5	<0.05	<50
W423697		3.19	0.002	<1	0.66	10	140	<5	<10	2.24	<5	<5	<5	<5	2.12	<50
W423698		4.12	0.002	<1	0.56	40	130	<5	10	2.61	<5	5	<5	<5	1.92	<50

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 23-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178035

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	5	0.05	50	0.05	30	5	0.05	5	50	10	0.05	10	5	5	100
W423659		<5	0.68	<50	0.59	410	<5	0.08	<5	580	20	<0.05	<10	<5	73	<100
W423660		<5	0.70	50	0.56	460	<5	0.08	<5	570	20	<0.05	<10	<5	76	<100
W423661		<5	0.57	<50	0.56	390	<5	0.07	<5	550	20	<0.05	<10	<5	73	<100
W423662		<5	0.58	<50	0.55	380	<5	0.08	10	560	10	<0.05	<10	<5	76	<100
W423663		<5	0.63	<50	0.51	420	<5	0.05	<5	540	20	<0.05	<10	<5	93	<100
W423664		<5	0.52	<50	0.52	410	<5	0.05	<5	560	30	<0.05	<10	<5	92	<100
W423665		<5	0.55	<50	0.56	430	<5	0.06	5	540	20	<0.05	<10	<5	79	<100
W423666		<5	0.50	<50	0.54	490	<5	<0.05	<5	560	20	<0.05	<10	<5	84	<100
W423667		<5	0.70	<50	0.58	420	<5	0.08	8	560	10	<0.05	<10	<5	70	<100
W423668		<5	0.58	<50	0.47	670	<5	<0.05	<5	550	10	0.20	<10	<5	97	<100
W423669		5	0.57	<50	0.46	670	<5	<0.05	<5	540	10	0.19	<10	<5	92	<100
W423670		<5	0.69	<50	0.57	520	<5	0.07	8	570	20	0.06	<10	<5	87	<100
W423671		<5	0.61	<50	0.42	530	<5	<0.05	<5	580	20	0.14	<10	<5	87	<100
W423672		<5	0.82	50	0.59	410	<5	0.13	10	560	20	<0.05	<10	<5	75	<100
W423673		<5	0.68	<50	0.56	420	<5	0.08	<5	570	20	<0.05	<10	<5	74	<100
W423674		<5	0.55	<50	0.46	470	<5	0.05	8	550	40	0.12	<10	<5	78	<100
W423675		<5	0.72	<50	0.56	410	<5	0.09	6	570	20	<0.05	<10	<5	68	<100
W423676		<5	0.62	<50	0.55	410	<5	0.07	<5	540	10	<0.05	<10	<5	63	<100
W423677		5	0.59	<50	0.56	440	<5	0.08	<5	540	20	<0.05	<10	<5	70	<100
W423678		<5	0.62	<50	0.52	470	<5	0.05	<5	540	20	<0.05	<10	<5	83	<100
W423679		<5	0.74	50	0.58	410	<5	0.10	<5	560	20	<0.05	<10	<5	71	<100
W423680		<5	0.68	50	0.57	400	<5	0.09	<5	550	30	<0.05	<10	<5	67	<100
W423681		<5	0.74	50	0.56	430	<5	0.08	<5	530	30	<0.05	<10	<5	79	<100
W423682		7	0.79	50	0.54	470	<5	0.07	<5	540	20	<0.05	<10	<5	83	<100
W423683		<5	0.75	50	0.58	490	<5	0.08	<5	550	20	<0.05	<10	<5	73	<100
W423684		<5	0.75	50	0.55	450	<5	0.10	<5	570	10	<0.05	<10	<5	90	<100
W423685		<5	0.47	50	0.48	440	<5	<0.05	<5	570	20	<0.05	<10	<5	134	<100
W423686		<5	0.69	50	0.56	400	<5	0.12	<5	550	20	<0.05	<10	<5	98	<100
W423687		<5	0.35	<50	0.42	360	<5	0.05	<5	570	30	<0.05	<10	<5	153	<100
W423688		<5	0.61	50	0.57	430	<5	0.09	<5	570	20	<0.05	<10	<5	99	<100
W423689		<5	0.42	<50	0.52	1140	<5	<0.05	<5	510	30	0.09	<10	<5	141	<100
W423690		5	0.32	<50	1.23	380	<5	0.52	62	880	50	2.57	<10	<5	154	<100
W423691		6	0.67	50	0.56	420	<5	0.08	<5	550	20	<0.05	<10	<5	84	<100
W423692		<5	0.78	<50	0.56	480	<5	0.08	<5	550	20	<0.05	<10	<5	105	<100
W423693		<5	0.55	50	0.54	460	<5	0.07	<5	570	20	<0.05	<10	<5	141	<100
W423694		5	0.73	50	0.55	440	<5	0.09	<5	540	20	<0.05	<10	<5	103	<100
W423695		<5	0.70	50	0.59	420	<5	0.10	<5	540	20	<0.05	<10	<5	102	<100
W423696		<5	<0.05	<50	0.15	50	<5	<0.05	<5	<50	<10	<0.05	20	<5	996	<100
W423697		<5	0.42	<50	0.43	430	<5	<0.05	<5	560	40	<0.05	<10	<5	202	<100
W423698		5	0.43	<50	0.41	460	<5	<0.05	<5	490	30	<0.05	<10	<5	196	<100

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

ALS Canada Ltd.
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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 23-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178035

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Ti	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	50	50	5	50	10
W423659		0.16	<50	<50	22	<50	60
W423660		0.15	<50	<50	20	<50	50
W423661		0.13	<50	<50	19	<50	60
W423662		0.14	<50	<50	19	<50	60
W423663		0.12	<50	<50	18	<50	70
W423664		0.08	<50	<50	18	<50	70
W423665		0.14	<50	<50	20	<50	50
W423666		0.12	<50	<50	16	<50	50
W423667		0.17	<50	<50	22	<50	60
W423668		0.07	<50	<50	13	<50	40
W423669		0.07	<50	<50	10	<50	30
W423670		0.16	<50	<50	21	<50	60
W423671		0.09	<50	<50	14	<50	40
W423672		0.20	<50	<50	24	<50	60
W423673		0.16	<50	<50	20	<50	50
W423674		0.08	<50	<50	15	<50	80
W423675		0.18	<50	<50	20	<50	60
W423676		0.15	<50	<50	19	<50	60
W423677		0.12	<50	<50	17	<50	60
W423678		0.12	<50	<50	19	<50	50
W423679		0.16	<50	<50	20	<50	60
W423680		0.16	<50	<50	20	<50	60
W423681		0.14	<50	<50	21	<50	80
W423682		0.14	<50	<50	18	<50	60
W423683		0.16	<50	<50	19	<50	60
W423684		0.14	<50	<50	19	<50	60
W423685		<0.05	<50	<50	12	<50	40
W423686		0.14	<50	<50	19	<50	60
W423687		<0.05	<50	<50	10	<50	50
W423688		0.13	<50	<50	21	<50	60
W423689		<0.05	<50	<50	6	<50	90
W423690		0.35	<50	<50	43	<50	130
W423691		0.12	<50	<50	20	<50	60
W423692		0.13	<50	<50	19	<50	50
W423693		0.06	<50	<50	15	<50	60
W423694		0.13	<50	<50	19	<50	60
W423695		0.16	<50	<50	21	<50	60
W423696		<0.05	<50	<50	8	<50	<10
W423697		<0.05	<50	<50	6	<50	60
W423698		<0.05	<50	<50	5	<50	50

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 23-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178035

Sample Description	Method	WEI-21	Au-ICP22	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.001	1	0.05	10	50	5	10	0.05	5	5	5	5	0.05	50
W423699		5.70	0.043	<1	1.45	1250	220	<5	<10	1.15	<5	7	13	<5	2.45	<50
W423700		6.13	0.001	<1	1.63	10	240	<5	10	0.81	<5	5	12	<5	2.37	<50
W423701		6.44	0.003	<1	1.54	<10	250	<5	<10	1.06	<5	<5	11	<5	2.31	<50
W423702		5.72	0.031	<1	1.57	10	270	<5	<10	0.99	<5	7	11	<5	2.27	<50
W423703		5.99	0.012	<1	1.58	10	270	<5	<10	1.08	<5	<5	10	<5	2.33	<50
W423704		6.02	0.001	<1	1.69	<10	260	<5	10	0.71	<5	5	10	<5	2.36	<50
W423705		6.10	0.001	<1	1.68	<10	260	<5	<10	0.82	<5	5	10	<5	2.43	<50
W423706		5.45	0.002	<1	1.44	<10	230	<5	<10	1.47	<5	6	9	<5	2.32	<50
W423707		5.33	0.002	<1	0.64	170	90	<5	<10	5.05	<5	<5	<5	<5	2.17	<50
W423708		2.94	<0.001	<1	1.08	30	190	<5	<10	1.65	<5	5	6	7	2.19	<50
W423709		4.29	<0.001	<1	0.84	<10	200	<5	<10	2.28	<5	<5	<5	<5	2.34	<50
W423710		0.04	1.005	1	1.31	90	50	<5	<10	0.69	<5	18	45	78	4.87	<50
W423711		2.93	<0.001	<1	1.60	<10	260	<5	<10	1.05	<5	5	9	8	2.44	<50
W423712		2.31	0.004	<1	0.89	<10	130	<5	<10	2.39	<5	5	5	<5	2.40	<50
W423713		4.66	<0.001	<1	1.60	10	250	<5	<10	0.95	<5	6	12	<5	2.38	<50

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 23-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178035

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	5	0.05	50	0.05	30	5	0.05	5	50	10	0.05	10	5	5	100
W423699		<5	0.72	<50	0.57	490	<5	0.09	<5	530	30	0.12	<10	<5	83	<100
W423700		7	0.80	50	0.61	430	<5	0.12	<5	590	30	<0.05	<10	<5	71	<100
W423701		<5	0.84	<50	0.56	450	<5	0.10	<5	540	20	<0.05	<10	<5	82	<100
W423702		<5	0.91	<50	0.58	430	<5	0.11	<5	560	20	<0.05	<10	<5	68	<100
W423703		<5	0.91	<50	0.58	430	<5	0.10	<5	570	20	<0.05	<10	<5	72	<100
W423704		6	0.89	<50	0.63	420	<5	0.13	<5	570	20	<0.05	<10	<5	71	<100
W423705		<5	0.83	<50	0.61	420	<5	0.13	<5	560	30	<0.05	<10	<5	80	<100
W423706		<5	0.76	<50	0.55	520	<5	0.09	<5	580	20	<0.05	<10	<5	94	<100
W423707		<5	0.22	<50	1.57	710	<5	<0.05	<5	490	40	0.06	<10	<5	165	<100
W423708		5	0.59	<50	0.55	490	<5	0.06	<5	540	20	0.05	10	<5	114	<100
W423709		<5	0.21	<50	0.69	430	<5	<0.05	<5	550	30	<0.05	<10	<5	125	<100
W423710		6	0.33	<50	1.24	380	<5	0.52	61	890	60	2.71	<10	<5	151	<100
W423711		<5	0.88	50	0.59	440	<5	0.14	<5	570	30	<0.05	<10	<5	107	<100
W423712		<5	0.39	50	0.58	530	<5	<0.05	<5	560	20	<0.05	<10	<5	153	<100
W423713		<5	0.89	50	0.58	420	<5	0.13	<5	560	20	<0.05	<10	<5	97	<100

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 23-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178035

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Ti	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	50	50	5	50	10
W423699		0.15	<50	<50	19	<50	60
W423700		0.20	<50	<50	22	<50	60
W423701		0.18	<50	<50	20	<50	60
W423702		0.19	<50	<50	21	<50	60
W423703		0.19	<50	<50	22	<50	50
W423704		0.20	<50	<50	22	<50	60
W423705		0.20	<50	<50	23	<50	60
W423706		0.14	<50	<50	18	<50	60
W423707		<0.05	<50	<50	7	<50	80
W423708		0.06	<50	<50	14	<50	50
W423709		<0.05	<50	<50	13	<50	60
W423710		0.35	<50	<50	44	<50	140
W423711		0.13	<50	<50	23	<50	70
W423712		<0.05	<50	<50	13	<50	50
W423713		0.16	<50	<50	22	<50	60

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

ALS Canada Ltd.

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 23-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17178035

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-32	CRU-QC	DRY-22	LOG-21d
	LOG-22	LOG-23	PUL-32	PUL-32d
	PUL-QC	SPL-21	SPL-21d	WEI-21

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

Applies to Method:		
	Au-ICP22	ME-ICP41a

ALS Canada Ltd.

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 1-AUG-2017
Account: ZONMET

CERTIFICATE WH17150464

Project: McConnells Jest, Yukon

This report is for 84 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 21-JUL-2017.

The following have access to data associated with this certificate:

TERRY CHRISTOPHER		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
BAG-01	Bulk Master for Storage
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

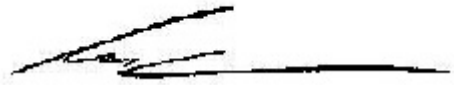
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP22	Au 50g FA ICP-AES finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
As-OG46	Ore Grade As - Aqua Regia	ICP-AES

To: **ZONTE METALS**
ATTN: TERRY CHRISTOPHER
SUITE 279 - 103 - 27 LACEWOOD DRIVE
HALIFAX NS B3M 3Y7

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 1-AUG-2017
Account: ZONMET

Project: McConnells Jest, Yukon

CERTIFICATE OF ANALYSIS WH17150464

Sample Description	Method	WEI-21	Au-ICP22	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
W422751		2.56	0.002	<0.2	1.25	3	<10	290	<0.5	<2	0.63	<0.5	3	9	9	2.02
W422752		3.27	<0.001	<0.2	1.47	4	<10	390	<0.5	<2	0.67	<0.5	3	10	2	2.14
W422753		5.07	<0.001	<0.2	1.49	4	<10	390	<0.5	<2	0.62	<0.5	3	10	3	2.13
W422754		5.38	<0.001	<0.2	1.42	4	<10	360	<0.5	<2	0.69	<0.5	3	10	4	2.06
W422755		5.80	<0.001	<0.2	1.15	5	<10	250	<0.5	<2	1.04	<0.5	3	9	14	2.11
W422756		0.14	<0.001	<0.2	0.02	<2	<10	<10	<0.5	3	>25.0	<0.5	<1	<1	<1	0.03
W422757		6.22	0.006	<0.2	1.16	8	<10	240	<0.5	2	0.90	<0.5	3	9	16	1.94
W422758		5.57	<0.001	<0.2	1.15	6	<10	250	<0.5	<2	0.98	<0.5	3	13	16	2.08
W422759		6.26	<0.001	<0.2	1.28	9	<10	250	<0.5	<2	0.69	<0.5	3	10	27	1.98
W422760		4.60	0.383	0.5	0.71	6770	<10	170	<0.5	19	1.77	<0.5	4	6	29	2.72
W422761		5.56	0.150	<0.2	1.07	568	<10	260	<0.5	<2	1.24	<0.5	2	9	14	1.95
W422762		5.39	0.068	<0.2	1.08	3690	<10	260	<0.5	<2	1.22	<0.5	6	9	12	2.17
W422763		5.60	0.034	<0.2	0.81	345	<10	210	<0.5	<2	1.91	<0.5	2	8	10	1.60
W422764		5.87	0.543	0.5	0.78	583	<10	180	<0.5	<2	1.89	<0.5	3	7	18	2.11
W422765		3.99	0.002	<0.2	0.89	5	<10	150	<0.5	<2	0.68	<0.5	3	10	49	2.06
W422766		3.88	0.002	<0.2	0.77	8	<10	140	<0.5	<2	1.41	<0.5	3	8	62	2.01
W422767		5.41	0.016	<0.2	0.60	120	<10	140	<0.5	2	1.94	<0.5	2	6	27	1.39
W422768		6.17	<0.001	<0.2	1.43	2	<10	320	<0.5	<2	0.70	<0.5	3	11	17	2.16
W422769		<0.02	<0.001	<0.2	1.38	2	<10	310	<0.5	2	0.67	<0.5	3	10	16	2.07
W422770		4.11	<0.001	<0.2	1.50	3	<10	360	<0.5	<2	0.67	<0.5	3	11	6	2.10
W422771		3.97	<0.001	<0.2	1.38	<2	<10	310	<0.5	<2	0.65	<0.5	3	9	9	2.10
W422772		1.96	0.008	<0.2	0.70	19	<10	160	<0.5	<2	2.30	<0.5	2	7	7	1.53
W422773		5.79	<0.001	<0.2	1.12	3	<10	230	<0.5	<2	0.78	<0.5	3	10	6	1.92
W422774		4.77	0.017	<0.2	1.34	13	<10	300	<0.5	<2	0.59	<0.5	3	10	2	2.12
W422775		1.15	0.014	<0.2	0.66	253	<10	190	<0.5	2	2.82	<0.5	2	5	17	1.48
W422776		3.87	0.003	<0.2	1.18	4	<10	250	<0.5	<2	0.67	<0.5	3	9	4	1.99
W422777		3.63	0.001	<0.2	1.36	<2	<10	310	<0.5	<2	0.65	<0.5	3	10	1	2.07
W422778		5.55	2.06	<0.2	0.79	47	<10	180	<0.5	2	1.71	<0.5	2	7	7	2.41
W422779		5.28	<0.001	<0.2	1.20	2	<10	260	<0.5	<2	0.64	<0.5	3	10	6	1.95
W422780		2.00	0.038	0.3	0.57	55	<10	90	0.7	<2	2.31	1.0	3	4	11	1.89
W422781		6.15	<0.001	<0.2	1.24	3	<10	270	<0.5	<2	0.65	<0.5	3	10	7	2.07
W422782		4.05	<0.001	<0.2	1.07	2	<10	220	<0.5	<2	0.61	<0.5	2	12	9	1.75
W422783		5.03	<0.001	<0.2	1.19	2	<10	280	<0.5	<2	0.69	<0.5	3	10	16	1.99
W422784		6.31	<0.001	<0.2	1.08	<2	<10	350	<0.5	<2	0.75	<0.5	2	10	1	1.45
W422785		4.35	<0.001	<0.2	0.12	<2	<10	10	<0.5	2	3.34	<0.5	<1	8	1	0.27
W422786		3.50	<0.001	<0.2	0.33	3	<10	20	<0.5	<2	1.29	<0.5	1	11	2	0.39
W422787		2.75	<0.001	<0.2	0.38	4	<10	40	<0.5	<2	0.96	<0.5	<1	10	4	0.57
W422788		4.70	<0.001	<0.2	1.02	3	<10	220	<0.5	<2	1.09	<0.5	3	9	7	2.01
W422789		6.75	0.009	<0.2	0.93	5	<10	170	<0.5	<2	0.89	<0.5	3	9	7	2.03
W422790		0.15	0.578	0.5	1.45	66	<10	50	0.7	4	0.63	0.5	19	49	59	4.84

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 1-AUG-2017
Account: ZONMET

Project: McConnells Jest, Yukon

CERTIFICATE OF ANALYSIS WH17150464

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
W422751		10	<1	0.65	40	0.38	285	1	0.09	3	370	9	0.04	<2	4	43
W422752		10	<1	0.77	40	0.42	337	<1	0.10	2	390	10	<0.01	<2	4	50
W422753		10	<1	0.79	40	0.41	346	1	0.10	3	400	8	<0.01	<2	5	51
W422754		10	<1	0.72	40	0.40	330	1	0.11	4	400	10	0.01	<2	4	52
W422755		<10	<1	0.52	40	0.37	352	1	0.06	3	390	11	0.16	<2	3	54
W422756		<10	<1	<0.01	<10	0.13	44	<1	<0.01	<1	50	<2	0.01	<2	<1	984
W422757		10	<1	0.53	40	0.34	293	1	0.08	4	370	11	0.22	<2	3	59
W422758		<10	<1	0.55	40	0.36	331	1	0.07	3	390	12	0.15	<2	4	61
W422759		10	<1	0.62	40	0.40	290	<1	0.11	3	390	7	0.21	<2	4	51
W422760		<10	<1	0.35	20	0.21	433	<1	0.03	3	320	10	1.40	4	1	71
W422761		<10	<1	0.53	40	0.34	398	1	0.06	3	390	7	0.31	<2	3	54
W422762		<10	<1	0.54	40	0.34	406	1	0.06	6	390	9	0.36	<2	3	57
W422763		<10	<1	0.40	30	0.26	471	<1	0.03	3	380	15	0.21	<2	2	82
W422764		<10	<1	0.39	30	0.35	535	1	0.03	2	370	14	0.78	<2	3	74
W422765		<10	<1	0.36	40	0.39	229	1	0.06	3	400	13	0.62	<2	3	39
W422766		<10	1	0.38	40	0.32	312	1	0.04	3	380	12	0.55	<2	2	73
W422767		<10	<1	0.30	30	0.17	342	<1	0.03	3	310	9	0.40	<2	1	83
W422768		<10	<1	0.71	40	0.40	295	<1	0.13	4	380	7	0.24	<2	5	57
W422769		10	<1	0.70	40	0.39	287	1	0.12	3	380	7	0.24	<2	4	55
W422770		10	<1	0.77	40	0.40	313	<1	0.13	3	380	7	0.18	<2	5	59
W422771		10	<1	0.70	40	0.39	298	<1	0.12	4	380	10	0.25	<2	4	55
W422772		<10	<1	0.30	40	0.20	394	<1	0.03	2	340	7	0.14	<2	2	91
W422773		<10	<1	0.55	40	0.37	293	1	0.07	3	390	11	0.10	<2	3	45
W422774		<10	<1	0.74	50	0.40	326	1	0.10	3	400	10	0.03	<2	4	51
W422775		<10	<1	0.36	30	0.19	588	1	0.02	2	360	8	0.27	<2	1	100
W422776		<10	<1	0.61	50	0.38	318	1	0.07	4	390	10	0.11	<2	4	45
W422777		10	<1	0.71	40	0.39	323	1	0.10	4	390	8	0.03	<2	4	54
W422778		<10	<1	0.41	30	0.35	722	<1	0.03	2	350	18	0.75	<2	2	78
W422779		<10	<1	0.58	40	0.38	304	<1	0.08	4	370	11	0.08	<2	4	40
W422780		<10	<1	0.19	40	0.33	646	1	0.01	2	360	81	0.14	<2	2	100
W422781		10	<1	0.60	40	0.39	307	1	0.08	4	380	10	0.18	<2	4	46
W422782		<10	<1	0.53	30	0.33	269	<1	0.08	2	320	12	0.13	<2	4	41
W422783		<10	<1	0.59	50	0.40	219	1	0.09	3	400	9	0.23	<2	4	49
W422784		<10	<1	0.42	50	0.36	116	<1	0.11	4	410	3	<0.01	<2	4	59
W422785		<10	<1	0.02	10	0.05	152	<1	0.02	<1	60	<2	<0.01	<2	1	116
W422786		<10	<1	0.02	40	0.13	68	<1	0.06	1	310	3	<0.01	<2	1	58
W422787		<10	<1	0.07	30	0.15	66	<1	0.06	3	310	2	0.01	<2	2	50
W422788		10	<1	0.49	40	0.36	254	1	0.05	3	410	13	0.07	<2	3	58
W422789		<10	<1	0.41	40	0.36	303	1	0.05	3	400	18	0.18	<2	3	60
W422790		10	<1	0.31	10	1.40	382	1	0.55	75	1020	34	2.24	<2	<1	187

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 1-AUG-2017
Account: ZONMET

Project: McConnells Jest, Yukon

CERTIFICATE OF ANALYSIS WH17150464

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	As-OG46
	Analyte	Th	Ti	Tl	U	V	W	Zn	As
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	20	0.01	10	10	1	10	2	0.001
W422751		20	0.13	<10	<10	20	<10	51	
W422752		20	0.15	<10	<10	20	10	63	
W422753		20	0.16	<10	<10	21	10	68	
W422754		20	0.15	<10	<10	20	<10	57	
W422755		20	0.10	<10	<10	17	10	54	
W422756		<20	<0.01	<10	<10	6	<10	8	
W422757		20	0.10	<10	<10	16	10	48	
W422758		20	0.11	<10	<10	17	<10	50	
W422759		20	0.13	<10	<10	19	<10	43	
W422760		<20	0.03	<10	10	7	<10	27	
W422761		20	0.09	<10	<10	15	<10	41	
W422762		20	0.09	<10	<10	15	<10	44	
W422763		20	0.04	<10	<10	9	<10	61	
W422764		20	0.05	<10	<10	10	<10	43	
W422765		20	0.09	<10	<10	15	<10	40	
W422766		20	0.05	<10	<10	11	<10	28	
W422767		20	0.02	<10	<10	6	<10	32	
W422768		20	0.15	<10	<10	20	<10	45	
W422769		20	0.14	<10	<10	20	<10	44	
W422770		20	0.16	<10	<10	21	10	51	
W422771		20	0.14	<10	<10	20	10	51	
W422772		20	0.03	<10	<10	7	90	33	
W422773		20	0.11	<10	<10	17	20	49	
W422774		20	0.15	<10	<10	20	10	52	
W422775		20	0.02	<10	<10	6	10	32	
W422776		20	0.13	<10	<10	18	<10	54	
W422777		20	0.14	<10	<10	19	10	51	
W422778		20	0.05	<10	10	9	<10	42	
W422779		20	0.12	<10	<10	18	<10	55	
W422780		20	<0.01	<10	<10	5	<10	162	
W422781		20	0.12	<10	<10	19	<10	60	
W422782		20	0.11	<10	<10	16	<10	48	
W422783		20	0.13	<10	<10	19	<10	33	
W422784		20	0.12	<10	<10	18	<10	13	
W422785		<20	0.01	<10	<10	2	190	2	
W422786		<20	0.04	<10	<10	6	90	3	
W422787		<20	0.04	<10	<10	8	<10	6	
W422788		20	0.09	<10	10	17	<10	58	
W422789		20	0.08	<10	<10	15	<10	65	
W422790		<20	0.38	<10	<10	49	<10	86	

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 1-AUG-2017
Account: ZONMET

Project: McConnells Jest, Yukon

CERTIFICATE OF ANALYSIS WH17150464

Sample Description	Method	WEI-21	Au-ICP22	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
W422791		3.91	0.022	<0.2	0.84	265	<10	180	<0.5	<2	1.52	<0.5	2	8	5	1.85
W422792		2.13	<0.001	<0.2	1.25	3	<10	260	<0.5	<2	0.52	<0.5	4	9	2	2.14
W422793		2.81	0.860	0.3	0.62	142	<10	120	<0.5	<2	1.94	0.5	2	6	6	1.99
W422794		6.07	0.001	<0.2	1.19	2	<10	240	<0.5	<2	0.70	<0.5	3	10	2	2.07
W422795		5.56	<0.001	<0.2	1.34	3	<10	290	<0.5	<2	0.64	<0.5	3	10	3	2.18
W422796		0.13	0.001	<0.2	0.01	5	<10	<10	<0.5	<2	>25.0	<0.5	<1	1	1	0.03
W422797		4.54	<0.001	<0.2	1.41	2	<10	300	<0.5	<2	0.57	<0.5	3	10	5	2.21
W422798		4.57	<0.001	<0.2	1.12	3	<10	240	<0.5	<2	0.59	<0.5	2	8	5	1.60
W422799		7.79	<0.001	<0.2	1.27	3	<10	260	<0.5	<2	0.66	<0.5	3	9	9	2.16
W422800		2.35	<0.001	<0.2	1.21	3	<10	280	<0.5	<2	0.56	<0.5	3	9	2	2.13
W422801		5.70	<0.001	<0.2	1.05	18	<10	230	<0.5	<2	0.80	0.5	3	10	5	1.95
W422802		5.93	<0.001	<0.2	1.18	23	<10	260	<0.5	<2	0.82	<0.5	3	11	5	2.24
W422803		5.70	0.008	<0.2	0.91	315	<10	190	<0.5	<2	1.44	<0.5	2	8	5	1.86
W422804		3.05	0.177	0.4	0.56	>10000	<10	130	<0.5	6	2.35	19.0	7	8	17	3.57
W422805		5.87	0.051	<0.2	1.03	60	<10	230	<0.5	<2	1.14	<0.5	2	10	3	1.92
W422806		6.05	0.001	<0.2	1.09	12	<10	260	<0.5	<2	0.78	<0.5	3	11	3	1.96
W422807		4.69	<0.001	<0.2	1.01	5	<10	220	<0.5	2	1.09	<0.5	3	10	6	1.96
W422808		6.32	0.162	<0.2	0.80	257	<10	150	<0.5	<2	1.71	<0.5	3	8	11	1.60
W422809		4.98	0.173	0.7	0.65	654	<10	150	<0.5	17	2.11	0.6	1	6	22	1.88
W422810		0.14	1.010	0.7	1.22	76	<10	50	0.7	2	0.52	1.2	16	44	77	4.64
W422811		5.10	0.001	<0.2	0.92	7	<10	170	<0.5	<2	0.71	<0.5	3	12	13	1.77
W422812		3.45	<0.001	<0.2	0.82	7	<10	130	<0.5	<2	0.97	<0.5	3	10	23	1.85
W422813		4.19	<0.001	<0.2	1.22	8	<10	250	<0.5	<2	0.55	<0.5	3	12	19	2.15
W422814		6.47	<0.001	<0.2	1.41	5	<10	330	<0.5	<2	0.59	<0.5	3	12	5	2.15
W422815		5.96	<0.001	<0.2	1.28	5	<10	280	<0.5	<2	0.54	<0.5	2	10	3	1.96
W422816		0.18	0.001	<0.2	0.01	3	<10	<10	<0.5	<2	>25.0	<0.5	<1	2	1	0.03
W422817		4.64	<0.001	<0.2	1.43	12	<10	330	<0.5	<2	0.57	<0.5	3	11	1	2.10
W422818		3.79	<0.001	<0.2	1.27	5	<10	280	<0.5	<2	0.59	<0.5	3	11	6	2.09
W422819		1.90	0.022	<0.2	0.38	909	<10	90	<0.5	<2	1.90	<0.5	2	5	13	1.68
W422820		5.63	<0.001	<0.2	1.22	6	<10	250	<0.5	<2	0.60	<0.5	3	12	8	2.15
W422821		6.03	0.001	<0.2	0.94	274	<10	210	<0.5	2	1.48	<0.5	3	10	24	2.10
W422822		5.38	0.003	<0.2	0.98	211	<10	220	<0.5	<2	1.40	<0.5	3	10	26	2.19
W422823		6.06	<0.001	<0.2	1.33	4	<10	280	<0.5	<2	0.75	<0.5	3	12	10	2.21
W422824		6.44	0.022	<0.2	1.13	7	<10	270	<0.5	<2	1.12	<0.5	3	11	3	2.17
W422825		5.86	<0.001	<0.2	1.26	4	<10	280	<0.5	<2	0.93	<0.5	3	12	6	2.29
W422826		4.08	0.012	<0.2	0.95	35	<10	190	<0.5	<2	1.08	<0.5	3	10	14	2.27
W422827		5.58	<0.001	<0.2	1.27	4	<10	250	<0.5	<2	0.68	<0.5	4	12	16	2.33
W422828		5.84	<0.001	<0.2	0.79	3	<10	140	<0.5	<2	0.67	<0.5	2	11	9	1.60
W422829		<0.02	<0.001	<0.2	0.80	5	<10	140	<0.5	<2	0.66	<0.5	2	10	9	1.57
W422830		6.17	<0.001	<0.2	1.30	4	<10	240	<0.5	<2	0.58	<0.5	3	12	21	2.20

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 1-AUG-2017
Account: ZONMET

Project: McConnells Jest, Yukon

CERTIFICATE OF ANALYSIS WH17150464

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
W422791		<10	<1	0.39	30	0.40	483	1	0.04	3	370	12	0.16	<2	3	65
W422792		10	<1	0.61	40	0.41	312	1	0.09	3	390	8	0.08	<2	4	39
W422793		<10	1	0.25	20	0.20	363	1	0.03	2	360	55	0.75	<2	1	95
W422794		10	<1	0.56	40	0.39	302	1	0.08	4	410	11	0.05	<2	3	44
W422795		10	<1	0.72	40	0.39	319	1	0.11	3	400	8	0.10	<2	4	49
W422796		<10	<1	<0.01	<10	0.14	45	1	0.01	<1	60	<2	0.02	<2	<1	1085
W422797		10	<1	0.74	40	0.42	312	1	0.12	3	420	9	0.21	<2	5	49
W422798		<10	<1	0.57	40	0.30	241	1	0.12	3	390	7	0.10	<2	3	50
W422799		<10	<1	0.65	40	0.40	294	1	0.11	3	420	10	0.35	<2	4	52
W422800		10	<1	0.66	40	0.40	314	1	0.08	4	400	11	0.04	<2	4	39
W422801		<10	<1	0.55	40	0.36	322	1	0.05	3	380	57	0.11	<2	4	44
W422802		10	<1	0.62	40	0.39	335	2	0.08	3	410	10	0.23	<2	4	49
W422803		<10	<1	0.41	30	0.31	419	1	0.04	3	390	10	0.11	<2	2	60
W422804		<10	1	0.26	20	0.15	508	1	0.02	2	340	74	1.94	7	1	78
W422805		<10	<1	0.55	40	0.35	366	1	0.07	3	390	9	0.07	<2	3	55
W422806		10	<1	0.59	40	0.36	305	1	0.08	3	390	9	0.04	<2	3	44
W422807		<10	<1	0.49	40	0.35	306	1	0.07	3	400	9	0.22	<2	3	51
W422808		<10	<1	0.30	40	0.29	315	1	0.04	3	390	9	0.16	<2	2	63
W422809		<10	<1	0.28	30	0.22	442	1	0.03	3	390	116	0.81	5	1	81
W422810		<10	<1	0.30	10	1.20	338	1	0.50	63	860	48	2.55	<2	<1	139
W422811		<10	<1	0.41	50	0.35	283	1	0.07	3	410	9	0.14	<2	3	43
W422812		<10	<1	0.33	40	0.34	265	1	0.06	3	390	9	0.29	<2	2	56
W422813		10	<1	0.61	40	0.39	283	1	0.12	3	390	8	0.40	<2	5	49
W422814		10	<1	0.73	40	0.40	317	1	0.12	3	400	8	0.07	<2	4	50
W422815		10	<1	0.67	40	0.35	292	1	0.11	3	360	8	0.09	<2	4	45
W422816		<10	<1	<0.01	<10	0.14	45	1	0.01	<1	60	<2	0.02	<2	<1	1090
W422817		10	<1	0.76	40	0.39	320	1	0.13	3	390	9	0.04	<2	4	51
W422818		10	<1	0.66	40	0.39	324	1	0.11	3	390	8	0.16	<2	4	45
W422819		<10	<1	0.21	20	0.08	348	<1	0.03	2	200	13	1.03	<2	1	71
W422820		10	<1	0.59	40	0.40	298	1	0.11	3	400	10	0.39	<2	4	47
W422821		<10	<1	0.47	40	0.31	410	1	0.07	4	380	7	0.44	2	3	66
W422822		<10	<1	0.49	30	0.31	390	1	0.07	3	370	6	0.51	<2	3	66
W422823		10	<1	0.68	50	0.41	323	1	0.11	5	430	10	0.21	<2	4	57
W422824		10	<1	0.58	50	0.36	382	1	0.07	4	420	10	0.06	<2	3	70
W422825		10	<1	0.60	50	0.40	377	1	0.10	3	420	9	0.13	<2	4	74
W422826		<10	<1	0.43	40	0.37	356	1	0.06	4	420	18	0.50	<2	3	75
W422827		10	<1	0.61	50	0.43	325	2	0.11	3	440	10	0.44	<2	4	55
W422828		<10	<1	0.39	30	0.25	258	1	0.06	2	270	14	0.19	<2	3	40
W422829		<10	<1	0.39	30	0.25	256	1	0.06	2	280	13	0.19	<2	3	39
W422830		10	<1	0.63	40	0.39	301	1	0.13	4	390	10	0.41	<2	5	53

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

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

To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 1-AUG-2017
Account: ZONMET

Project: McConnells Jest, Yukon

CERTIFICATE OF ANALYSIS WH17150464

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	As-OG46
	Analyte	Th	Ti	Tl	U	V	W	Zn	As
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	20	0.01	10	10	1	10	2	0.001
W422791		20	0.06	<10	<10	12	<10	49	
W422792		20	0.13	<10	<10	19	<10	56	
W422793		<20	0.01	<10	<10	6	<10	104	
W422794		20	0.12	<10	<10	18	<10	54	
W422795		20	0.14	<10	<10	20	<10	61	
W422796		<20	<0.01	<10	<10	7	<10	5	
W422797		20	0.15	<10	<10	21	<10	63	
W422798		20	0.12	<10	<10	16	<10	41	
W422799		20	0.13	<10	<10	20	<10	58	
W422800		20	0.14	<10	<10	20	<10	57	
W422801		20	0.11	<10	10	17	<10	126	
W422802		20	0.12	<10	<10	19	<10	59	
W422803		20	0.06	<10	<10	12	<10	44	
W422804		<20	0.02	<10	<10	6	<10	3530	1.275
W422805		20	0.10	<10	10	16	<10	45	
W422806		20	0.12	<10	<10	17	<10	49	
W422807		20	0.10	<10	10	16	<10	50	
W422808		20	0.05	<10	10	11	<10	32	
W422809		20	0.02	<10	10	8	<10	111	
W422810		<20	0.31	<10	<10	40	<10	123	
W422811		20	0.10	<10	<10	16	20	40	
W422812		20	0.07	<10	<10	14	<10	32	
W422813		20	0.14	<10	<10	20	<10	50	
W422814		20	0.15	<10	10	21	<10	56	
W422815		20	0.14	<10	<10	19	<10	51	
W422816		<20	<0.01	<10	<10	8	<10	5	
W422817		20	0.16	<10	<10	20	<10	55	
W422818		20	0.14	<10	<10	19	<10	56	
W422819		<20	<0.01	<10	10	2	<10	21	
W422820		20	0.13	<10	<10	20	<10	46	
W422821		20	0.08	<10	10	14	<10	33	
W422822		20	0.09	<10	<10	14	<10	32	
W422823		20	0.14	<10	10	20	<10	52	
W422824		20	0.10	<10	<10	16	<10	54	
W422825		20	0.11	<10	<10	19	<10	60	
W422826		20	0.08	<10	10	15	<10	62	
W422827		20	0.14	<10	<10	21	<10	63	
W422828		20	0.08	<10	10	12	<10	43	
W422829		20	0.08	<10	10	11	<10	42	
W422830		20	0.14	<10	<10	20	<10	53	

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

ALS Canada Ltd.

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 1-AUG-2017
Account: ZONMET

Project: McConnells Jest, Yukon

CERTIFICATE OF ANALYSIS WH17150464

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP22 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
W422831		4.78	<0.001	<0.2	0.77	7	<10	120	<0.5	<2	0.49	<0.5	2	10	36	1.63
W422832		6.58	0.011	<0.2	0.90	63	<10	180	<0.5	<2	0.96	<0.5	2	10	11	1.94
W422833		3.10	<0.001	<0.2	1.01	71	<10	190	<0.5	<2	1.07	<0.5	3	10	14	2.06
W422834		4.04	0.035	<0.2	0.52	160	<10	150	<0.5	<2	3.16	<0.5	1	5	12	2.82

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 1-AUG-2017
Account: ZONMET

Project: McConnells Jest, Yukon

CERTIFICATE OF ANALYSIS WH17150464

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
W422831		<10	<1	0.38	30	0.22	215	1	0.08	2	270	11	0.39	<2	2	37
W422832		<10	<1	0.42	40	0.32	339	1	0.06	3	380	16	0.36	<2	3	78
W422833		<10	<1	0.40	40	0.37	331	1	0.05	3	400	9	0.29	<2	3	58
W422834		<10	<1	0.32	20	0.17	748	1	0.01	2	400	43	2.09	<2	1	115

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 1-AUG-2017
Account: ZONMET

Project: McConnells Jest, Yukon

CERTIFICATE OF ANALYSIS WH17150464

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	As-OG46
	Analyte	Th	Ti	Tl	U	V	W	Zn	As
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	20	0.01	10	10	1	10	2	0.001
W422831		20	0.08	<10	<10	11	<10	28	
W422832		20	0.09	<10	<10	14	<10	51	
W422833		20	0.09	<10	10	16	<10	46	
W422834		<20	<0.01	<10	<10	2	<10	35	

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 1-AUG-2017
Account: ZONMET

Project: McConnells Jest, Yukon

CERTIFICATE OF ANALYSIS WH17150464

CERTIFICATE COMMENTS

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-21
	LOG-21d	LOG-23	PUL-32	PUL-32d
	PUL-QC	SPL-21	SPL-21d	WEI-21

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

Applies to Method:				
	As-OG46	Au-ICP22	ME-ICP41	ME-OG46

ALS Canada Ltd.

2103 Dollarton Hwy
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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 13-SEP-2017
Account: ZONMET

CERTIFICATE WH17189330

Project: McConnells Jest

This report is for 62 Crushed Rock samples submitted to our lab in Whitehorse, YT, Canada on 18-AUG-2017.

The following have access to data associated with this certificate:

TERRY CHRISTOPHER		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-03	Find Reject for Addn Analysis
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
BAG-01	Bulk Master for Storage
PUL-QC	Pulverizing QC Test
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

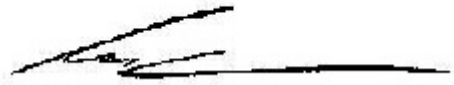
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP22	Au 50g FA ICP-AES finish	ICP-AES
ME-ICP41a	High Grade Aqua Regia ICP-AES	ICP-AES

To: **ZONTE METALS**
ATTN: TERRY CHRISTOPHER
SUITE 279 - 103 - 27 LACEWOOD DRIVE
HALIFAX NS B3M 3Y7

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 *****

Comments: Sample originally from WH17178044

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 13-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17189330

Sample Description	Method	Au-ICP22	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.001	1	0.05	10	50	5	10	0.05	5	5	5	5	0.05	50	5
W423113		0.085	18	1.43	8880	180	<5	30	1.00	<5	11	37	42	3.48	<50	<5
W423114		0.264	<1	0.88	4070	300	<5	60	1.18	<5	6	8	19	2.91	<50	<5
W423115		<0.001	<1	1.44	20	350	<5	<10	0.57	<5	<5	12	9	2.28	<50	<5
W423116			<1	<0.05	<10	<50	<5	<10	37.6	<5	<5	<5	<5	<0.05	<50	<5
W423117		<0.001	<1	1.58	<10	330	<5	<10	0.69	<5	6	13	5	2.45	<50	<5
W423118		<0.001	<1	1.41	<10	280	<5	<10	0.64	<5	<5	15	10	2.48	<50	<5
W423119		0.001	<1	1.00	160	220	<5	10	1.10	<5	5	10	10	2.07	<50	<5
W423120		<0.001	<1	1.22	<10	260	<5	10	0.59	<5	6	14	10	2.49	<50	<5
W423121		0.028	<1	0.97	1260	210	<5	<10	1.04	<5	6	11	13	2.25	<50	<5
W423122		0.010	<1	0.95	830	210	<5	10	1.06	<5	5	12	14	2.25	<50	<5
W423123		0.307	<1	0.70	10800	200	<5	<10	2.18	<5	8	6	18	2.54	<50	<5
W423124		<0.001	<1	1.19	10	230	<5	<10	0.63	<5	<5	12	10	2.20	<50	<5
W423125		<0.001	<1	1.28	<10	270	<5	<10	0.66	<5	<5	13	20	2.31	<50	<5
W423126		0.302	<1	1.16	200	290	<5	<10	1.36	<5	<5	12	14	2.18	<50	<5
W423127		<0.001	<1	1.34	10	300	<5	<10	0.66	<5	<5	11	5	2.31	<50	<5
W423128		0.631	<1	0.69	16900	180	<5	20	2.30	<5	24	7	31	4.01	<50	<5
W423129		1.195	<1	0.73	17750	190	<5	70	2.41	<5	27	9	34	4.29	<50	<5
W423130		0.102	<1	0.86	50	190	<5	<10	1.64	<5	<5	11	16	2.15	<50	<5
W423131		0.033	<1	0.74	100	170	<5	<10	1.55	<5	5	11	21	2.06	<50	<5
W423132		0.002	<1	1.14	20	210	<5	10	0.64	<5	6	12	39	2.28	<50	<5
W423133		0.008	<1	0.78	70	130	<5	<10	1.71	<5	5	7	32	2.08	<50	<5
W423134		0.002	<1	0.99	240	190	<5	<10	1.29	<5	<5	10	34	2.38	<50	<5
W423135		<0.001	<1	1.32	<10	270	<5	<10	1.00	<5	6	11	6	2.39	<50	<5
W423540		0.015	<1	1.43	10	270	<5	<10	1.37	<5	6	13	<5	2.15	<50	<5
W423541		0.014	<1	1.17	270	230	<5	10	2.05	<5	5	10	10	2.19	<50	<5
W423542		<0.001	<1	1.65	<10	320	<5	20	0.84	<5	5	16	<5	2.37	<50	<5
W423543		0.027	<1	1.30	50	260	<5	<10	1.55	<5	7	14	7	2.19	<50	<5
W423544		<0.001	<1	1.51	<10	290	<5	<10	0.89	<5	5	14	<5	2.24	<50	<5
W423545		0.012	<1	1.47	<10	290	<5	<10	1.07	<5	6	12	<5	2.21	<50	<5
W423546		<0.001	<1	1.68	<10	330	<5	10	0.77	<5	<5	16	<5	2.33	<50	<5
W423547		<0.001	<1	1.47	<10	270	<5	<10	0.88	<5	5	12	<5	2.23	<50	<5
W423548		<0.001	<1	1.59	<10	290	<5	<10	0.83	<5	8	14	<5	2.30	<50	<5
W423549		0.001	<1	1.58	<10	270	<5	10	0.79	<5	7	15	<5	2.27	<50	<5
W423550			1	1.62	70	50	<5	<10	0.79	<5	21	54	66	5.13	<50	<5
W423551		<0.001	<1	1.52	<10	260	<5	10	0.93	<5	6	14	<5	2.21	<50	<5
W423552		<0.001	<1	1.53	<10	260	<5	10	0.78	<5	8	14	<5	2.23	<50	<5
W423553		0.484	<1	1.26	1020	250	<5	<10	1.41	<5	6	12	23	2.32	<50	<5
W423554		0.001	<1	1.36	10	250	<5	10	1.23	<5	5	13	<5	2.18	<50	<5
W423555		<0.001	<1	1.38	<10	240	<5	10	1.01	<5	5	12	<5	2.15	<50	<5
W423556			<1	<0.05	<10	<50	<5	<10	37.5	<5	<5	<5	<5	<0.05	<50	<5

Comments: Sample originally from WH17178044

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 13-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17189330

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.05	50	0.05	30	5	0.05	5	50	10	0.05	10	5	5	100	0.05
W423113		0.29	<50	1.09	390	5	<0.05	28	380	130	0.31	<10	<5	39	<100	0.06
W423114		0.45	<50	0.30	560	<5	<0.05	5	390	10	0.70	<10	<5	54	<100	0.07
W423115		0.74	<50	0.39	360	<5	0.08	<5	390	<10	0.13	<10	5	51	<100	0.15
W423116		<0.05	<50	0.14	50	<5	<0.05	<5	<50	<10	<0.05	<10	<5	941	<100	<0.05
W423117		0.77	50	0.40	380	<5	0.13	6	390	10	0.41	<10	5	69	<100	0.15
W423118		0.71	50	0.41	360	<5	0.09	<5	410	<10	0.55	<10	5	60	<100	0.15
W423119		0.48	50	0.32	380	<5	<0.05	<5	400	10	0.42	<10	<5	54	<100	0.10
W423120		0.66	50	0.42	350	<5	0.06	<5	440	10	0.60	<10	<5	41	<100	0.15
W423121		0.47	<50	0.35	360	<5	<0.05	5	410	10	0.54	<10	<5	46	<100	0.10
W423122		0.46	50	0.36	360	<5	<0.05	5	400	10	0.54	<10	<5	47	<100	0.10
W423123		0.40	<50	0.18	480	<5	<0.05	<5	390	10	0.95	<10	<5	67	<100	<0.05
W423124		0.60	<50	0.38	300	<5	0.06	<5	410	10	0.51	<10	<5	53	<100	0.14
W423125		0.65	<50	0.40	300	<5	0.06	5	410	30	0.39	<10	5	52	<100	0.15
W423126		0.62	50	0.34	380	<5	<0.05	<5	410	10	0.20	<10	<5	55	<100	0.11
W423127		0.70	<50	0.40	380	<5	<0.05	6	400	10	0.09	<10	<5	47	<100	0.15
W423128		0.35	<50	0.33	540	<5	<0.05	7	350	10	2.18	10	<5	67	<100	<0.05
W423129		0.36	<50	0.34	570	<5	<0.05	8	370	<10	2.38	<10	<5	70	<100	<0.05
W423130		0.40	<50	0.29	450	<5	<0.05	<5	410	10	0.55	<10	<5	62	<100	0.06
W423131		0.35	<50	0.27	350	<5	<0.05	7	380	20	0.64	<10	<5	76	<100	0.05
W423132		0.58	50	0.38	270	<5	<0.05	5	360	10	0.53	<10	<5	46	<100	0.13
W423133		0.28	<50	0.28	460	<5	<0.05	<5	370	<10	0.47	<10	<5	65	<100	<0.05
W423134		0.49	50	0.36	440	8	<0.05	8	420	<10	0.59	<10	<5	69	<100	0.10
W423135		0.66	50	0.40	350	<5	<0.05	5	470	10	0.10	<10	<5	63	<100	0.13
W423540		0.76	<50	0.50	410	<5	<0.05	<5	510	10	<0.05	<10	<5	70	<100	0.16
W423541		0.59	<50	0.43	590	<5	<0.05	6	470	<10	0.13	<10	<5	86	<100	0.10
W423542		0.88	<50	0.58	390	<5	0.06	10	540	10	<0.05	<10	<5	71	<100	0.20
W423543		0.69	<50	0.46	430	<5	<0.05	9	500	10	<0.05	<10	<5	89	<100	0.13
W423544		0.79	<50	0.54	360	<5	0.05	5	510	10	<0.05	<10	<5	64	<100	0.18
W423545		0.80	<50	0.51	390	<5	<0.05	6	520	<10	<0.05	<10	<5	85	<100	0.18
W423546		0.90	<50	0.56	370	<5	0.10	<5	540	20	<0.05	<10	<5	77	<100	0.21
W423547		0.77	<50	0.54	360	<5	<0.05	<5	510	10	<0.05	<10	<5	75	<100	0.18
W423548		0.85	<50	0.55	370	<5	0.06	5	520	10	<0.05	<10	<5	231	<100	0.19
W423549		0.81	<50	0.54	360	<5	0.06	5	530	10	<0.05	<10	<5	183	<100	0.19
W423550		0.38	<50	1.42	420	<5	0.53	79	1040	40	2.27	<10	<5	197	<100	0.42
W423551		0.82	<50	0.53	360	<5	0.06	6	510	10	<0.05	<10	<5	71	<100	0.18
W423552		0.79	<50	0.54	350	<5	0.06	<5	530	10	<0.05	<10	<5	64	<100	0.19
W423553		0.67	<50	0.47	460	<5	<0.05	6	500	20	0.22	<10	<5	77	<100	0.12
W423554		0.73	<50	0.51	430	<5	<0.05	<5	510	10	<0.05	<10	<5	75	<100	0.15
W423555		0.71	<50	0.51	370	<5	<0.05	5	510	10	<0.05	<10	<5	158	<100	0.16
W423556		<0.05	<50	0.14	50	<5	<0.05	<5	60	<10	<0.05	<10	<5	932	<100	<0.05

Comments: Sample originally from WH17178044

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

ALS Canada Ltd.
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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 13-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17189330

Sample Description	Method Analyte Units LOR	ME-ICP41a Tl ppm 50	ME-ICP41a U ppm 50	ME-ICP41a V ppm 5	ME-ICP41a W ppm 50	ME-ICP41a Zn ppm 10
W423113		<50	<50	55	<50	90
W423114		<50	<50	11	<50	70
W423115		<50	<50	23	<50	70
W423116		<50	<50	8	<50	10
W423117		<50	<50	22	<50	70
W423118		<50	<50	23	<50	60
W423119		<50	<50	15	<50	60
W423120		<50	<50	22	<50	60
W423121		<50	<50	17	<50	50
W423122		<50	<50	17	<50	50
W423123		<50	<50	6	<50	40
W423124		<50	<50	21	<50	50
W423125		<50	<50	21	<50	70
W423126		<50	<50	18	<50	70
W423127		<50	<50	22	<50	80
W423128		<50	<50	6	<50	30
W423129		<50	<50	5	<50	40
W423130		<50	<50	12	<50	50
W423131		<50	<50	9	<50	40
W423132		<50	<50	21	<50	40
W423133		<50	<50	12	<50	50
W423134		<50	<50	15	<50	50
W423135		<50	<50	18	<50	70
W423540		<50	<50	19	<50	50
W423541		<50	<50	14	<50	50
W423542		<50	<50	23	<50	60
W423543		<50	<50	16	<50	50
W423544		<50	<50	20	<50	50
W423545		<50	<50	19	<50	50
W423546		<50	<50	23	<50	50
W423547		<50	<50	20	<50	50
W423548		<50	<50	22	<50	50
W423549		<50	<50	21	<50	50
W423550		<50	<50	52	<50	100
W423551		<50	<50	21	<50	50
W423552		<50	<50	20	<50	50
W423553		<50	<50	17	<50	40
W423554		<50	<50	20	<50	60
W423555		<50	<50	19	<50	50
W423556		<50	<50	8	<50	10

Comments: Sample originally from WH17178044

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

ALS Canada Ltd.

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 13-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17189330

Sample Description	Method	Au-ICP22	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.001	1	0.05	10	50	5	10	0.05	5	5	5	5	0.05	50	5
W423557		0.103	<1	1.22	100	220	<5	10	1.53	<5	8	11	8	2.24	<50	<5
W423558		<0.001	<1	1.43	10	260	<5	10	0.84	<5	7	13	<5	2.15	<50	<5
W423559		<0.001	<1	1.49	<10	270	<5	<10	0.78	<5	5	12	<5	2.21	<50	<5
W423560		0.044	<1	1.49	10	280	<5	20	0.93	<5	5	14	<5	2.20	<50	<5
W423561		<0.001	<1	1.45	<10	260	<5	10	0.87	<5	5	12	5	2.19	<50	<5
W423562		<0.001	<1	1.47	<10	270	<5	<10	0.91	<5	<5	13	<5	2.21	<50	<5
W423563		0.020	<1	1.14	10	210	<5	<10	1.62	<5	6	11	6	2.08	<50	<5
W423564		0.036	<1	1.14	20	220	<5	10	1.20	<5	<5	12	8	1.95	<50	<5
W423565		<0.001	<1	1.21	<10	240	<5	<10	1.24	<5	<5	13	<5	1.94	<50	<5
W423566		<0.001	<1	1.30	10	240	<5	<10	1.36	<5	<5	11	<5	2.10	<50	<5
W423567		0.006	<1	1.24	<10	240	<5	<10	1.73	<5	5	11	5	2.08	<50	<5
W423568		<0.001	<1	1.39	10	240	<5	<10	0.89	<5	6	13	<5	2.16	<50	<5
W423569		<0.001	<1	1.40	<10	240	<5	<10	0.89	<5	7	12	<5	2.18	<50	<5
W423570		<0.001	<1	1.54	10	270	<5	<10	0.79	<5	5	12	<5	2.28	<50	<5
W423571		0.001	<1	1.25	<10	230	<5	10	1.64	<5	5	10	<5	2.09	<50	<5
W423572		0.135	<1	1.20	60	230	<5	10	1.35	<5	6	10	17	2.22	<50	<5
W423573		0.002	<1	1.10	230	200	<5	10	1.62	<5	7	9	<5	1.95	<50	<5
W423574		<0.001	<1	1.50	10	270	<5	<10	1.10	<5	<5	12	<5	2.24	<50	<5
W423575		0.288	<1	1.10	350	200	<5	10	1.41	<5	<5	9	33	2.57	<50	<5
W423576		<0.001	<1	1.48	<10	240	<5	<10	0.67	<5	6	13	<5	2.23	<50	<5
W423577		<0.001	<1	1.59	<10	260	<5	<10	0.69	<5	7	13	<5	2.34	<50	<5
W423578		0.298	<1	1.16	1710	230	<5	20	1.27	<5	7	10	26	2.74	<50	<5

Comments: Sample originally from WH17178044

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

ALS Canada Ltd.

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www.alsglobal.com/geochemistry

To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 13-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17189330

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.05	50	0.05	30	5	0.05	5	50	10	0.05	10	5	5	100	0.05
W423557		0.64	<50	0.46	430	<5	<0.05	<5	510	10	0.17	<10	<5	96	<100	0.12
W423558		0.75	<50	0.52	350	<5	0.05	7	520	10	<0.05	10	<5	56	<100	0.18
W423559		0.82	<50	0.54	380	<5	0.06	<5	520	20	<0.05	<10	<5	64	<100	0.19
W423560		0.81	<50	0.54	390	<5	0.06	8	500	10	<0.05	<10	<5	69	<100	0.18
W423561		0.77	<50	0.53	380	<5	0.06	<5	510	10	<0.05	<10	<5	67	<100	0.18
W423562		0.78	<50	0.54	390	<5	0.07	7	530	10	<0.05	<10	<5	70	<100	0.19
W423563		0.59	<50	0.45	460	<5	<0.05	<5	490	<10	0.08	<10	<5	99	<100	0.11
W423564		0.60	<50	0.44	370	<5	<0.05	<5	460	10	0.05	<10	<5	69	<100	0.13
W423565		0.65	<50	0.49	380	<5	<0.05	<5	490	10	<0.05	<10	<5	65	<100	0.15
W423566		0.71	<50	0.48	430	<5	<0.05	5	490	10	<0.05	<10	<5	72	<100	0.14
W423567		0.71	<50	0.45	430	<5	<0.05	<5	510	<10	<0.05	<10	<5	86	<100	0.12
W423568		0.71	<50	0.51	380	<5	<0.05	6	480	10	<0.05	10	<5	67	<100	0.17
W423569		0.72	<50	0.51	380	<5	0.06	5	470	20	<0.05	<10	<5	69	<100	0.17
W423570		0.79	<50	0.55	390	<5	0.07	<5	510	10	<0.05	<10	<5	64	<100	0.19
W423571		0.64	<50	0.49	420	<5	<0.05	<5	500	10	<0.05	<10	<5	136	<100	0.13
W423572		0.60	<50	0.46	470	<5	<0.05	6	510	10	0.18	<10	<5	73	<100	0.12
W423573		0.54	<50	0.43	510	<5	<0.05	7	500	10	<0.05	<10	<5	72	<100	0.10
W423574		0.79	<50	0.53	390	<5	<0.05	<5	510	20	<0.05	<10	<5	68	<100	0.18
W423575		0.58	<50	0.43	420	<5	<0.05	<5	510	10	0.39	<10	<5	63	<100	0.10
W423576		0.77	<50	0.55	380	<5	0.05	5	500	10	<0.05	<10	<5	58	<100	0.19
W423577		0.82	<50	0.57	390	<5	0.08	6	510	<10	<0.05	<10	<5	75	<100	0.20
W423578		0.65	<50	0.40	410	<5	<0.05	<5	500	<10	0.67	<10	<5	55	<100	0.11

Comments: Sample originally from WH17178044

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

ALS Canada Ltd.
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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 13-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17189330

Sample Description	Method	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Analyte	Tl	U	V	W	Zn
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	50	50	5	50	10
W423557		<50	<50	15	<50	40
W423558		<50	<50	21	<50	50
W423559		<50	<50	21	<50	50
W423560		<50	<50	21	<50	50
W423561		<50	<50	22	<50	50
W423562		<50	<50	22	<50	50
W423563		<50	<50	15	<50	40
W423564		<50	<50	17	<50	40
W423565		<50	<50	19	<50	40
W423566		<50	<50	18	<50	50
W423567		<50	<50	16	<50	40
W423568		<50	<50	19	<50	50
W423569		<50	<50	20	<50	50
W423570		<50	<50	22	<50	60
W423571		<50	<50	16	<50	50
W423572		<50	<50	16	<50	50
W423573		<50	<50	13	<50	40
W423574		<50	<50	20	<50	50
W423575		<50	<50	15	<50	30
W423576		<50	<50	21	<50	50
W423577		<50	<50	22	<50	50
W423578		<50	<50	13	<50	40

Comments: Sample originally from WH17178044

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 13-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17189330

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
BAG-01	FND-03	LOG-23	PUL-32
PUL-32d	PUL-QC	SPL-21	SPL-21d

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

Applies to Method:		
Au-ICP22	ME-ICP41a	

ALS Canada Ltd.

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 7-JUN-2017
Account: ZONMET

CERTIFICATE WH17094694

Project: McCONNELLS

This report is for 122 Rock samples submitted to our lab in Whitehorse, YT, Canada on 15-MAY-2017.

The following have access to data associated with this certificate:

TERRY CHRISTOPHER		

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

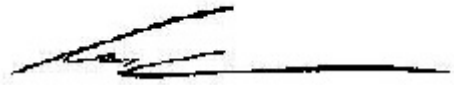
ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA25	Ore Grade Au 30g FA AA finish	AAS

To: **ZONTE METALS**
ATTN: TERRY CHRISTOPHER
SUITE 279 - 103 - 27 LACEWOOD DRIVE
HALIFAX NS B3M 3Y7

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 *****

Comments: Sample S057418 and Sample S057419 entirely blended and run as sample S057418/S057419.

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 7-JUN-2017
Account: ZONMET

Project: McCONNELLS

CERTIFICATE OF ANALYSIS WH17094694

Sample Description	Method	WEI-21	Au-AA25	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
S057301		0.35	0.01	<0.2	0.13	408	<10	30	<0.5	<2	0.11	<0.5	1	8	3	0.57
S057302		0.31	0.09	<0.2	0.14	173	<10	50	<0.5	<2	0.17	<0.5	<1	11	1	0.49
S057305		0.60	<0.01	<0.2	0.33	391	<10	120	<0.5	<2	3.02	<0.5	<1	4	1	0.36
S057307		0.34	0.68	0.6	0.33	7860	<10	190	<0.5	6	0.05	<0.5	2	4	6	1.81
S057310		0.45	6.74	1.3	0.35	347	10	110	<0.5	<2	0.45	<0.5	2	3	67	2.37
S057311		0.46	0.47	<0.2	0.39	874	<10	160	<0.5	12	0.07	<0.5	1	3	17	1.23
S057312		0.49	2.10	<0.2	0.40	1000	<10	160	<0.5	32	0.11	<0.5	<1	2	13	1.94
S057313		0.58	<0.01	<0.2	0.40	88	<10	120	<0.5	<2	3.71	<0.5	<1	2	2	0.78
S057314		0.55	<0.01	<0.2	0.29	272	<10	110	<0.5	<2	0.05	<0.5	<1	4	8	1.05
S057315		0.47	<0.01	<0.2	1.06	16	<10	230	<0.5	<2	0.25	<0.5	2	8	5	1.69
S057318		0.26	0.06	0.2	0.39	1805	<10	140	<0.5	<2	3.25	<0.5	1	2	61	1.64
S057401		0.92	0.03	<0.2	0.47	48	<10	170	<0.5	<2	0.80	<0.5	1	6	2	0.58
S057402		1.00	0.02	<0.2	0.43	362	<10	260	<0.5	<2	1.18	<0.5	1	3	13	1.11
S057403		0.70	<0.01	<0.2	0.43	95	<10	140	<0.5	<2	0.85	<0.5	2	4	13	0.86
S057404		0.13	<0.01	<0.2	1.36	27	<10	490	<0.5	<2	0.27	<0.5	4	7	28	3.13
S057405		0.63	<0.01	<0.2	0.94	6	<10	220	<0.5	<2	0.31	<0.5	2	8	30	1.87
S057406		0.35	<0.01	<0.2	0.93	5	<10	190	<0.5	<2	0.24	<0.5	3	7	15	2.00
S057407		0.58	0.39	0.5	0.44	372	<10	180	<0.5	10	0.13	<0.5	1	3	86	3.40
S057408		0.41	0.83	0.3	0.38	266	<10	150	<0.5	41	0.05	<0.5	2	5	16	1.85
S057409		0.42	<0.01	<0.2	1.20	38	<10	240	<0.5	<2	0.26	<0.5	1	9	11	2.45
S057410		0.30	<0.01	<0.2	1.03	37	<10	190	<0.5	2	0.23	<0.5	4	7	8	1.89
S057411		0.36	<0.01	<0.2	1.18	17	<10	330	<0.5	2	0.35	<0.5	3	8	7	1.87
S057412		0.41	1.83	32.9	0.07	>10000	<10	30	<0.5	80	0.96	<0.5	1	6	22	3.00
S057413		0.13	0.08	0.5	0.50	265	10	150	0.5	<2	4.22	1.1	1	5	5	0.85
S057414		0.26	0.15	10.2	0.09	4060	<10	30	<0.5	62	0.05	<0.5	2	7	10	1.66
S057415		0.46	0.05	24.6	0.27	1140	<10	110	<0.5	53	0.06	<0.5	3	5	25	2.14
S057416		0.43	0.01	0.2	0.75	56	<10	160	<0.5	<2	0.13	<0.5	3	5	8	1.73
S057417		0.61	<0.01	0.5	0.41	107	<10	160	<0.5	<2	0.34	<0.5	<1	5	2	0.43
S057418/S057419		0.20	1.23	0.2	0.33	255	<10	120	<0.5	<2	0.13	<0.5	2	8	13	0.96
S057419		Destroyed														
S057420		0.18	<0.01	<0.2	0.30	34	<10	50	<0.5	<2	0.81	<0.5	2	7	6	0.90
S057421		0.38	<0.01	0.7	0.37	450	<10	170	<0.5	2	1.51	<0.5	2	5	16	1.19
S057422		0.73	0.01	<0.2	0.65	967	<10	250	<0.5	<2	0.08	<0.5	2	5	6	3.17
S057423		0.67	<0.01	<0.2	0.08	90	<10	40	<0.5	<2	2.37	<0.5	1	8	1	0.53
S057424		0.65	0.03	<0.2	0.38	33	<10	110	<0.5	<2	3.12	<0.5	<1	2	3	0.68
S057425		0.49	0.12	<0.2	0.31	9	<10	90	<0.5	2	2.82	1.2	1	3	2	0.78
S057426		0.30	<0.01	<0.2	0.84	7	<10	140	<0.5	<2	1.20	<0.5	1	7	<1	1.07
S057427		0.65	<0.01	<0.2	0.62	3	<10	60	0.5	<2	0.59	<0.5	1	7	1	0.51
S057428		0.24	<0.01	<0.2	0.78	15	<10	120	0.5	<2	1.59	0.5	2	4	2	1.35
S057429		0.43	<0.01	<0.2	0.49	19	<10	140	<0.5	<2	1.63	1.4	<1	2	2	0.58

Comments: Sample S057418 and Sample S057419 entirely blended and run as sample S057418/S057419.

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 7-JUN-2017
Account: ZONMET

Project: McCONNELLS

CERTIFICATE OF ANALYSIS WH17094694

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S057301		<10	<1	0.07	40	0.01	206	<1	<0.01	3	80	<2	0.01	<2	<1	5
S057302		<10	<1	0.10	<10	0.01	121	<1	0.01	2	60	<2	0.01	<2	<1	8
S057305		<10	<1	0.24	30	0.05	556	<1	0.01	1	410	<2	0.02	<2	1	103
S057307		<10	<1	0.26	40	0.02	115	<1	0.01	2	240	11	0.28	2	<1	9
S057310		<10	1	0.30	20	0.03	440	1	0.01	2	260	12	0.03	<2	<1	16
S057311		<10	<1	0.31	20	0.02	237	1	0.01	2	150	6	0.06	<2	<1	17
S057312		<10	<1	0.30	20	0.02	85	1	0.02	2	160	3	0.07	8	<1	16
S057313		<10	<1	0.27	20	0.05	909	<1	0.01	1	360	<2	0.02	<2	1	91
S057314		<10	<1	0.19	10	0.02	114	<1	0.01	1	180	18	0.01	<2	<1	4
S057315		<10	<1	0.49	30	0.29	273	1	0.09	4	250	13	0.02	<2	3	26
S057318		<10	<1	0.27	10	0.08	429	1	0.01	3	340	3	0.10	2	1	84
S057401		<10	<1	0.17	30	0.15	188	<1	0.05	2	330	5	0.01	<2	1	37
S057402		<10	<1	0.27	20	0.04	587	<1	0.02	2	400	<2	0.07	<2	1	49
S057403		<10	<1	0.19	30	0.08	326	<1	0.04	3	390	2	0.02	<2	1	42
S057404		<10	<1	0.52	30	0.37	212	1	0.11	3	450	12	0.06	<2	2	44
S057405		<10	<1	0.38	30	0.36	109	1	0.10	3	400	8	0.05	<2	3	40
S057406		<10	<1	0.36	30	0.35	245	1	0.07	3	380	11	0.02	<2	2	22
S057407		<10	<1	0.29	30	0.04	318	1	0.02	3	280	15	0.06	<2	1	12
S057408		<10	<1	0.23	20	0.04	228	1	0.02	5	140	35	0.09	8	1	18
S057409		10	<1	0.57	20	0.42	234	1	0.10	2	410	7	0.06	<2	5	34
S057410		<10	<1	0.39	30	0.34	314	<1	0.06	4	330	16	0.03	<2	3	19
S057411		10	<1	0.54	40	0.37	293	1	0.09	3	410	12	0.02	<2	3	35
S057412		<10	<1	0.08	60	0.09	70	2	0.03	3	450	153	0.50	13	<1	82
S057413		<10	<1	0.33	20	0.09	659	1	0.05	1	260	21	0.15	<2	1	470
S057414		<10	<1	0.06	20	0.01	53	<1	0.01	1	120	242	0.07	14	<1	13
S057415		<10	<1	0.19	40	0.01	292	1	0.01	2	160	115	0.15	2	<1	8
S057416		<10	<1	0.32	30	0.18	293	1	0.04	3	320	16	0.02	<2	1	12
S057417		<10	<1	0.28	10	0.02	325	1	0.01	1	220	<2	0.01	<2	<1	13
S057418/S057419		<10	1	0.21	20	0.02	285	4	0.01	2	160	6	0.02	<2	<1	7
S057419																
S057420		<10	<1	0.11	10	0.16	399	4	0.02	4	140	<2	0.01	<2	3	31
S057421		<10	<1	0.26	20	0.05	471	1	0.01	3	240	14	0.04	<2	1	54
S057422		<10	<1	0.40	20	0.12	119	2	0.05	1	220	9	0.18	2	1	31
S057423		<10	1	0.04	<10	0.03	344	<1	0.01	1	40	<2	0.02	2	1	92
S057424		<10	<1	0.26	20	0.06	1245	<1	0.01	<1	630	4	0.02	<2	1	114
S057425		<10	<1	0.17	30	0.49	500	<1	0.05	3	390	14	0.01	<2	4	115
S057426		<10	<1	0.23	50	0.37	127	<1	0.09	4	450	2	0.01	<2	4	55
S057427		<10	<1	0.08	40	0.22	83	<1	0.08	4	480	4	0.01	<2	2	49
S057428		<10	<1	0.18	30	0.71	772	<1	0.04	10	510	6	0.01	<2	5	85
S057429		<10	1	0.19	30	0.06	919	<1	0.04	2	630	3	0.01	<2	2	59

Comments: Sample S057418 and Sample S057419 entirely blended and run as sample S057418/S057419.

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 7-JUN-2017
Account: ZONMET

Project: McCONNELLS

CERTIFICATE OF ANALYSIS WH17094694

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S057301		<20	<0.01	<10	<10	1	<10	4
S057302		<20	<0.01	<10	<10	<1	<10	5
S057305		<20	<0.01	<10	<10	1	<10	2
S057307		<20	<0.01	<10	<10	2	<10	30
S057310		<20	<0.01	<10	<10	1	<10	11
S057311		<20	<0.01	<10	<10	1	<10	4
S057312		<20	<0.01	<10	<10	1	<10	9
S057313		<20	<0.01	<10	<10	1	<10	6
S057314		<20	<0.01	<10	<10	1	<10	15
S057315		20	0.09	<10	<10	14	<10	39
S057318		<20	<0.01	<10	<10	2	<10	15
S057401		20	0.01	<10	<10	5	<10	11
S057402		20	<0.01	<10	<10	1	<10	3
S057403		20	<0.01	<10	<10	3	<10	13
S057404		20	0.06	<10	<10	16	<10	55
S057405		20	0.09	<10	<10	16	<10	17
S057406		20	0.09	<10	<10	15	<10	36
S057407		<20	<0.01	<10	<10	2	<10	21
S057408		<20	<0.01	<10	<10	4	<10	10
S057409		20	0.13	<10	<10	22	<10	40
S057410		20	0.08	<10	<10	16	<10	43
S057411		20	0.12	<10	<10	17	<10	59
S057412		<20	<0.01	<10	<10	1	<10	13
S057413		<20	<0.01	<10	<10	2	<10	154
S057414		<20	<0.01	<10	<10	1	<10	7
S057415		<20	<0.01	<10	<10	1	<10	26
S057416		20	0.03	<10	<10	8	10	57
S057417		<20	<0.01	<10	<10	1	<10	4
S057418/S057419		<20	<0.01	<10	<10	1	450	15
S057419								
S057420		<20	<0.01	<10	<10	11	880	6
S057421		<20	<0.01	<10	<10	1	10	15
S057422		<20	0.04	<10	<10	10	20	25
S057423		<20	<0.01	<10	<10	1	50	5
S057424		20	<0.01	<10	<10	1	<10	29
S057425		20	<0.01	<10	<10	3	<10	93
S057426		20	0.04	<10	<10	16	<10	14
S057427		20	<0.01	<10	<10	7	<10	9
S057428		20	<0.01	<10	<10	18	<10	102
S057429		20	<0.01	<10	<10	2	<10	187

Comments: Sample S057418 and Sample S057419 entirely blended and run as sample S057418/S057419.

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 7-JUN-2017
Account: ZONMET

Project: McCONNELLS

CERTIFICATE OF ANALYSIS WH17094694

Sample Description	Method	WEI-21	Au-AA25	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
S057430		0.42	0.22	0.2	0.38	279	<10	110	<0.5	2	4.27	<0.5	1	1	4	0.81
S057431		0.47	<0.01	<0.2	0.28	172	<10	100	<0.5	<2	1.91	1.1	2	5	4	0.45
S057432		0.30	<0.01	<0.2	1.07	5	<10	40	<0.5	<2	1.22	<0.5	2	12	1	0.91
S057433		0.61	0.01	<0.2	1.02	9	<10	40	0.6	<2	3.97	<0.5	1	10	1	1.21
S057434		0.62	0.19	0.2	0.31	354	<10	120	<0.5	<2	0.27	<0.5	<1	4	75	1.63
S057435		0.29	<0.01	<0.2	0.09	1300	<10	190	<0.5	<2	4.20	2.5	<1	5	24	4.66
S057436		0.57	<0.01	<0.2	1.05	12	<10	50	<0.5	<2	1.64	<0.5	2	15	1	1.05
S057437		0.26	0.22	0.2	0.11	4880	<10	70	<0.5	3	6.7	<0.5	21	2	352	11.75
S057438		0.36	0.05	<0.2	0.05	22	<10	60	<0.5	<2	3.11	<0.5	<1	6	3	1.87
S057439		0.29	0.05	0.2	0.36	185	<10	170	<0.5	18	2.97	<0.5	2	2	6	4.29
S057441		0.37	<0.01	<0.2	0.41	156	<10	150	<0.5	<2	4.20	<0.5	1	2	11	1.09
S057442		0.48	0.31	<0.2	0.43	631	<10	230	<0.5	5	0.12	<0.5	<1	3	7	1.38
S057443		0.47	<0.01	<0.2	0.76	54	<10	140	<0.5	<2	0.69	<0.5	2	6	3	1.06
S057444		0.35	<0.01	<0.2	1.21	11	<10	290	<0.5	<2	0.42	<0.5	3	8	8	2.07
S057445		0.35	0.15	0.3	0.42	1105	<10	190	<0.5	12	0.48	<0.5	1	3	29	3.65
S057446		0.48	7.50	0.3	0.20	4410	<10	140	<0.5	8	0.23	<0.5	1	6	193	11.25
S057447		0.38	<0.01	<0.2	0.31	40	<10	70	<0.5	<2	5.58	<0.5	<1	2	1	0.37
S057448		0.69	0.47	0.6	0.39	453	<10	200	<0.5	60	0.03	<0.5	<1	5	7	2.07
S057450		0.25	2.82	0.2	0.17	5260	<10	120	<0.5	2	0.21	<0.5	1	6	130	8.67
S057451		0.82	<0.01	<0.2	0.91	209	<10	260	<0.5	2	0.36	<0.5	3	7	9	1.97
S057452		0.38	0.03	0.2	0.16	193	<10	70	<0.5	<2	0.05	<0.5	1	4	5	0.72
S057453		0.33	<0.01	0.5	0.27	138	<10	100	<0.5	<2	0.12	<0.5	1	8	1	0.74
S057495		0.44	10.95	2.7	0.24	>10000	<10	30	<0.5	14	0.01	<0.5	150	1	22	17.00
S057496		0.26	0.11	0.5	0.46	1230	<10	130	<0.5	3	0.08	<0.5	1	3	42	1.71
S057497		0.29	0.13	0.2	1.24	4010	<10	300	<0.5	<2	0.27	<0.5	4	8	9	2.31
S057498		0.31	0.02	<0.2	0.40	1030	<10	130	<0.5	<2	0.90	<0.5	1	4	14	1.16
S057499		0.44	4.87	2.7	0.22	>10000	<10	30	<0.5	24	0.07	<0.5	132	2	174	12.95
S057500		0.33	0.01	<0.2	0.51	5290	<10	170	<0.5	<2	0.53	<0.5	2	4	58	1.58
S057501		0.39	24.9	6.2	0.09	>10000	<10	50	<0.5	613	0.09	<0.5	13	2	33	10.90
S057502		0.63	27.5	7.7	0.12	>10000	<10	10	<0.5	763	0.02	<0.5	58	1	64	19.35
S057503		0.26	0.25	<0.2	0.47	2550	<10	190	<0.5	15	0.08	<0.5	5	3	25	2.31
S057504		0.28	0.34	0.4	0.55	6060	<10	260	<0.5	37	0.53	<0.5	3	4	14	2.19
S057505		0.37	0.45	0.3	0.32	296	<10	120	<0.5	<2	2.06	<0.5	1	4	10	0.90
S057506		0.28	0.02	1.2	0.14	441	<10	60	<0.5	<2	1.83	<0.5	1	6	16	1.40
S057507		0.33	3.49	1.4	0.38	665	<10	150	<0.5	2	4.87	<0.5	1	3	3	0.80
S057508		0.19	3.37	0.5	0.39	1040	<10	160	<0.5	<2	1.59	0.5	2	6	32	2.75
S057509		0.55	2.36	56.8	0.29	>10000	<10	150	<0.5	133	0.23	<0.5	1	4	59	4.04
S057510		0.29	0.02	<0.2	0.04	211	<10	20	<0.5	<2	0.16	<0.5	<1	15	6	0.65
S057511		0.20	0.17	0.6	0.35	428	<10	120	<0.5	3	3.74	<0.5	1	3	9	1.20
S057512		0.17	0.01	<0.2	0.54	43	<10	160	<0.5	<2	3.66	<0.5	2	5	2	1.66

Comments: Sample S057418 and Sample S057419 entirely blended and run as sample S057418/S057419.

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 7-JUN-2017
Account: ZONMET

Project: McCONNELLS

CERTIFICATE OF ANALYSIS WH17094694

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S057430		<10	<1	0.25	20	0.17	1250	<1	0.01	1	460	3	0.05	<2	2	114
S057431		<10	<1	0.19	10	0.04	413	1	0.02	3	230	<2	0.03	<2	1	69
S057432		<10	<1	0.06	30	0.77	156	<1	0.10	8	630	3	<0.01	<2	3	72
S057433		<10	<1	0.13	40	1.24	338	<1	0.07	13	700	4	<0.01	<2	4	157
S057434		<10	<1	0.22	20	0.06	218	<1	0.02	12	310	<2	0.03	<2	1	15
S057435		<10	<1	0.06	<10	0.52	3820	2	0.01	12	80	18	0.01	2	5	117
S057436		<10	1	0.14	30	0.82	174	<1	0.09	7	490	7	<0.01	<2	4	88
S057437		<10	<1	0.06	<10	1.51	4510	1	0.01	68	30	15	0.76	4	4	177
S057438		<10	<1	0.04	10	0.46	1585	<1	0.01	3	30	2	0.04	<2	2	75
S057439		<10	<1	0.26	10	0.33	1290	44	0.02	3	390	8	0.11	3	2	91
S057441		<10	<1	0.26	20	0.36	852	1	0.04	1	430	<2	0.01	<2	2	115
S057442		<10	<1	0.38	20	0.03	91	1	0.02	2	80	5	0.21	2	<1	24
S057443		<10	<1	0.21	40	0.23	277	1	0.06	5	460	4	<0.01	<2	2	40
S057444		10	<1	0.47	50	0.43	280	1	0.09	5	450	9	0.06	<2	3	40
S057445		<10	<1	0.32	20	0.11	158	3	0.02	3	220	48	0.07	4	<1	24
S057446		<10	<1	0.13	20	0.04	385	3	0.02	4	150	6	0.10	5	1	41
S057447		<10	1	0.17	40	0.07	537	<1	0.05	2	530	3	<0.01	<2	1	249
S057448		<10	<1	0.29	20	0.02	138	2	0.02	2	110	96	0.07	18	<1	28
S057450		<10	<1	0.11	10	0.03	354	3	0.02	3	100	4	0.08	6	<1	31
S057451		<10	<1	0.47	30	0.25	543	1	0.05	5	360	9	0.03	<2	3	26
S057452		<10	<1	0.12	30	0.01	206	<1	0.01	2	120	27	<0.01	<2	<1	5
S057453		<10	<1	0.12	10	0.05	245	<1	0.02	2	100	46	0.01	<2	<1	7
S057495		<10	2	0.18	<10	0.01	14	3	0.01	27	260	75	6.55	70	<1	5
S057496		<10	<1	0.31	30	0.02	270	1	0.02	3	310	82	0.05	2	1	11
S057497		10	<1	0.62	20	0.37	267	6	0.10	4	370	9	0.13	<2	4	32
S057498		<10	<1	0.27	20	0.03	374	<1	0.02	2	230	5	0.06	2	1	29
S057499		<10	<1	0.18	<10	0.01	32	2	0.02	22	630	31	5.92	45	<1	11
S057500		<10	<1	0.35	20	0.03	362	1	0.02	3	370	<2	0.23	4	<1	22
S057501		<10	1	0.22	10	0.01	30	1	0.02	6	110	432	3.37	149	<1	38
S057502		<10	<1	0.11	<10	0.01	21	2	0.01	15	70	441	8.52	167	<1	6
S057503		<10	<1	0.32	10	0.03	817	1	0.02	4	360	14	0.07	3	1	7
S057504		<10	<1	0.37	30	0.05	953	1	0.04	6	430	26	0.26	4	1	27
S057505		<10	<1	0.23	20	0.04	438	1	0.01	1	250	7	0.02	<2	<1	73
S057506		<10	1	0.10	20	0.18	675	1	0.01	2	60	2	0.03	2	1	57
S057507		<10	<1	0.27	10	0.10	936	<1	0.02	2	320	140	0.03	<2	1	184
S057508		<10	<1	0.27	10	0.06	1430	2	0.02	5	200	7	0.03	<2	1	53
S057509		<10	1	0.31	10	0.04	114	1	0.03	2	290	238	0.65	20	<1	50
S057510		<10	<1	0.03	<10	0.01	99	1	0.01	5	10	4	0.01	<2	<1	5
S057511		<10	1	0.22	20	0.58	866	<1	0.04	3	370	13	0.04	<2	4	106
S057512		<10	<1	0.25	30	0.73	769	<1	0.06	4	340	5	<0.01	<2	5	108

Comments: Sample S057418 and Sample S057419 entirely blended and run as sample S057418/S057419.

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 7-JUN-2017
Account: ZONMET

Project: McCONNELLS

CERTIFICATE OF ANALYSIS WH17094694

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S057430		20	<0.01	<10	<10	1	<10	74
S057431		<20	<0.01	<10	<10	1	320	208
S057432		20	0.06	<10	<10	25	<10	15
S057433		20	<0.01	<10	<10	23	<10	23
S057434		<20	<0.01	<10	<10	1	<10	94
S057435		<20	<0.01	<10	<10	3	<10	594
S057436		20	0.08	<10	<10	35	<10	20
S057437		<20	<0.01	<10	<10	1	<10	28
S057438		<20	<0.01	<10	<10	<1	<10	56
S057439		<20	<0.01	<10	<10	1	110	21
S057441		20	<0.01	<10	<10	2	30	20
S057442		<20	<0.01	<10	<10	2	<10	8
S057443		20	0.02	<10	<10	9	10	16
S057444		20	0.11	<10	<10	17	<10	40
S057445		<20	<0.01	<10	<10	2	<10	67
S057446		<20	<0.01	<10	10	2	<10	24
S057447		20	<0.01	<10	<10	1	40	51
S057448		<20	<0.01	<10	<10	1	<10	31
S057450		<20	<0.01	<10	<10	2	10	17
S057451		20	0.07	<10	<10	12	<10	35
S057452		<20	<0.01	<10	<10	1	<10	6
S057453		<20	0.01	<10	<10	3	<10	13
S057495		<20	<0.01	<10	<10	1	<10	15
S057496		<20	<0.01	<10	<10	1	<10	44
S057497		<20	0.12	<10	<10	18	<10	53
S057498		<20	<0.01	<10	<10	1	<10	5
S057499		<20	<0.01	<10	<10	1	<10	5
S057500		<20	<0.01	<10	<10	1	<10	14
S057501		<20	<0.01	<10	<10	<1	<10	3
S057502		<20	<0.01	<10	<10	1	<10	8
S057503		<20	<0.01	<10	<10	2	<10	14
S057504		<20	<0.01	<10	<10	2	10	8
S057505		<20	<0.01	<10	<10	1	<10	8
S057506		<20	<0.01	<10	<10	<1	<10	10
S057507		<20	<0.01	<10	<10	1	<10	20
S057508		<20	<0.01	<10	<10	2	<10	48
S057509		<20	<0.01	<10	<10	1	<10	6
S057510		<20	<0.01	<10	<10	1	<10	10
S057511		<20	<0.01	<10	<10	2	<10	19
S057512		<20	<0.01	<10	<10	3	10	14

Comments: Sample S057418 and Sample S057419 entirely blended and run as sample S057418/S057419.

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 7-JUN-2017
Account: ZONMET

Project: McCONNELLS

CERTIFICATE OF ANALYSIS WH17094694

Sample Description	Method	WEI-21	Au-AA25	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
S057513		0.33	<0.01	<0.2	0.33	167	<10	100	<0.5	<2	0.89	<0.5	1	3	5	0.71
S057514		0.42	3.09	1.2	0.32	>10000	<10	130	<0.5	3	0.07	<0.5	2	5	13	3.05
S057515		0.62	31.3	1.5	0.05	>10000	<10	10	<0.5	2010	0.08	<0.5	87	1	381	19.45
S057516		0.53	13.95	1.0	0.10	>10000	<10	10	<0.5	88	0.05	<0.5	589	2	102	16.30
S057517		0.47	0.06	<0.2	0.06	1350	<10	40	<0.5	3	8.1	<0.5	5	4	6	2.35
S057518		0.43	0.26	<0.2	0.49	1730	<10	190	<0.5	<2	0.03	<0.5	1	4	2	0.76
S057519		0.57	0.45	<0.2	0.50	127	<10	200	<0.5	2	0.10	<0.5	4	3	14	1.65
S057520		0.30	3.68	<0.2	0.44	112	<10	150	<0.5	2	0.17	<0.5	2	6	6	0.90
S057521		0.53	<0.01	1.1	0.43	21	10	140	<0.5	2	0.50	2.6	4	4	16	1.49
S057522		0.60	0.11	<0.2	0.54	1130	<10	190	<0.5	<2	0.85	<0.5	2	3	5	1.18
S057523		0.52	<0.01	<0.2	0.43	932	<10	140	<0.5	<2	2.36	<0.5	2	3	14	0.85
S057524		0.42	0.04	<0.2	0.48	1920	<10	170	<0.5	<2	1.11	<0.5	3	3	3	0.67
S057525		0.32	0.01	<0.2	0.26	89	<10	130	<0.5	<2	3.37	<0.5	2	3	15	1.82
S057526		0.20	0.04	<0.2	0.38	220	<10	130	<0.5	2	7.00	0.6	2	2	4	1.90
S057527		0.18	2.63	0.7	0.45	134	<10	160	<0.5	5	3.60	<0.5	2	2	50	1.98
S057528		0.33	<0.01	<0.2	0.47	10	<10	120	0.5	2	4.45	<0.5	1	2	3	2.42
S057529		0.41	0.01	<0.2	0.27	9	<10	130	<0.5	<2	4.37	0.5	1	2	4	2.35
S057530		0.54	8.70	11.3	0.38	>10000	<10	30	<0.5	3	0.20	1.9	27	2	6	10.05
S057531		0.35	0.08	<0.2	0.24	1270	<10	130	<0.5	2	0.29	<0.5	1	5	6	1.79
S057532		0.26	0.04	<0.2	0.49	620	<10	190	<0.5	15	0.31	<0.5	1	5	22	1.12
S057533		0.34	20.2	0.9	0.25	>10000	<10	50	<0.5	132	0.16	<0.5	24	4	153	9.17
S057534		0.36	0.02	<0.2	0.31	266	<10	110	<0.5	3	6.03	<0.5	2	3	2	0.96
S057535		0.51	0.02	<0.2	0.34	138	<10	120	<0.5	<2	2.11	<0.5	1	5	7	0.66
S057536		0.48	0.01	<0.2	0.04	651	<10	60	<0.5	<2	6.10	<0.5	1	10	5	2.58
S057537		0.37	4.12	3.3	0.11	>10000	<10	30	<0.5	15	0.12	2.7	149	5	27	13.95
S057538		0.27	1.25	6.0	0.41	>10000	<10	750	<0.5	34	7.3	21.9	14	4	110	11.55
S057539		0.57	17.75	0.4	0.07	>10000	<10	60	<0.5	19	0.02	<0.5	18	8	81	7.69
S057540		0.19	0.01	<0.2	0.26	546	<10	110	<0.5	2	13.5	<0.5	1	3	3	2.71
S057541		0.35	1.01	0.2	0.25	1210	<10	100	<0.5	3	0.11	<0.5	2	10	20	1.52
S057542		0.33	3.19	2.6	0.11	>10000	<10	110	<0.5	67	0.67	0.5	35	6	71	13.20
S057543		0.43	0.25	0.3	0.40	1750	<10	160	<0.5	3	1.16	0.5	2	10	13	0.98
S057544		0.47	0.01	0.3	0.33	743	<10	120	<0.5	2	0.32	<0.5	1	13	4	0.54
S057545		0.39	<0.01	<0.2	0.34	747	<10	110	<0.5	<2	3.27	<0.5	4	7	1	0.58
S057546		0.38	0.02	<0.2	0.42	200	<10	160	<0.5	<2	0.09	<0.5	1	6	4	0.48
S057547		0.36	1.87	<0.2	0.43	273	<10	120	<0.5	2	0.13	<0.5	1	5	2	0.50
S057548		0.38	0.01	<0.2	0.31	417	<10	100	<0.5	<2	0.22	<0.5	1	12	12	0.58
S057549		0.42	0.06	0.4	0.85	234	<10	200	0.5	2	0.18	<0.5	3	8	4	1.61
S057550		0.41	0.04	<0.2	0.40	600	<10	150	<0.5	24	0.01	<0.5	<1	7	1	0.41
S057352		0.78	0.01	<0.2	0.87	14	<10	220	<0.5	<2	0.70	<0.5	7	30	9	1.89
S057353		0.67	<0.01	<0.2	0.75	16	<10	110	<0.5	2	0.58	<0.5	6	34	3	1.78

Comments: Sample S057418 and Sample S057419 entirely blended and run as sample S057418/S057419.

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 7-JUN-2017
Account: ZONMET

Project: McCONNELLS

CERTIFICATE OF ANALYSIS WH17094694

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S057513		<10	<1	0.18	10	0.03	332	1	0.04	3	330	3	<0.01	<2	1	30
S057514		<10	1	0.26	<10	0.02	214	<1	0.02	1	90	5	0.60	7	<1	15
S057515		<10	1	0.06	<10	0.01	12	3	0.01	15	50	84	8.47	246	<1	10
S057516		<10	1	0.10	<10	0.01	62	4	0.01	203	70	41	8.24	83	<1	9
S057517		<10	<1	0.04	<10	2.41	1805	<1	0.01	4	10	4	0.04	<2	13	173
S057518		<10	<1	0.35	30	0.02	56	1	0.02	2	110	9	0.03	<2	<1	9
S057519		<10	<1	0.31	30	0.03	884	1	0.03	4	340	10	0.02	<2	1	6
S057520		<10	1	0.23	20	0.04	518	<1	0.04	5	310	10	<0.01	<2	1	8
S057521		<10	1	0.28	40	0.04	551	<1	0.03	5	420	137	0.03	<2	1	26
S057522		<10	1	0.36	20	0.03	707	<1	0.02	3	390	6	0.03	<2	1	34
S057523		<10	<1	0.30	20	0.05	583	1	0.02	3	380	4	0.04	<2	1	83
S057524		<10	1	0.32	10	0.03	397	<1	0.02	4	380	6	0.08	2	<1	45
S057525		<10	1	0.19	<10	0.12	1020	1	0.02	3	100	11	<0.01	<2	1	113
S057526		<10	1	0.20	20	1.28	1610	<1	0.05	4	360	42	<0.01	<2	9	194
S057527		<10	1	0.29	20	0.13	910	<1	0.03	9	310	117	0.01	<2	1	112
S057528		<10	1	0.30	30	0.27	1740	<1	0.05	4	540	4	<0.01	<2	4	126
S057529		<10	1	0.21	20	0.16	1945	<1	0.02	3	180	46	<0.01	<2	1	174
S057530		<10	1	0.29	<10	0.03	52	1	0.02	17	280	88	4.76	61	<1	34
S057531		<10	1	0.20	<10	0.05	187	1	0.02	2	100	15	0.11	2	<1	33
S057532		<10	1	0.33	10	0.06	189	1	0.02	2	170	2	0.03	<2	<1	15
S057533		<10	<1	0.21	<10	0.02	56	1	0.03	11	140	6	4.11	46	<1	18
S057534		<10	1	0.15	20	0.44	643	<1	0.05	6	300	3	0.05	<2	5	146
S057535		<10	1	0.21	20	0.05	397	<1	0.03	3	320	2	0.01	<2	1	87
S057536		<10	1	0.03	<10	2.63	1860	<1	0.01	3	20	<2	0.01	<2	17	106
S057537		<10	1	0.08	<10	0.02	58	3	0.01	38	40	267	7.26	72	<1	14
S057538		<10	2	0.19	10	2.20	5560	1	0.02	16	300	797	0.18	6	12	183
S057539		<10	1	0.08	<10	0.01	43	1	0.01	3	70	6	2.89	46	<1	7
S057540		<10	1	0.16	10	2.04	2460	<1	0.02	1	190	4	0.01	<2	15	313
S057541		<10	1	0.16	10	0.04	124	<1	0.02	3	70	18	0.07	3	1	16
S057542		<10	1	0.06	<10	0.06	938	<1	0.01	15	170	203	0.09	23	2	133
S057543		<10	<1	0.27	20	0.04	399	<1	0.02	4	260	32	0.06	<2	1	43
S057544		<10	1	0.22	<10	0.02	173	<1	0.01	2	120	92	0.02	<2	<1	16
S057545		<10	<1	0.21	20	0.06	521	<1	0.03	1	210	2	0.02	<2	1	89
S057546		<10	1	0.26	20	0.02	419	1	0.01	3	320	16	<0.01	<2	1	4
S057547		<10	<1	0.26	30	0.02	406	<1	0.03	3	360	12	<0.01	<2	<1	6
S057548		<10	<1	0.24	10	0.01	177	<1	0.01	2	10	2	0.01	<2	<1	5
S057549		<10	<1	0.41	30	0.14	340	1	0.05	4	410	11	<0.01	<2	2	11
S057550		<10	1	0.28	10	0.02	29	<1	0.02	<1	30	6	0.02	2	<1	6
S057352		<10	1	0.16	10	0.63	272	<1	0.11	15	790	2	<0.01	<2	1	57
S057353		<10	<1	0.14	10	0.53	196	<1	0.09	14	770	<2	<0.01	<2	1	42

Comments: Sample S057418 and Sample S057419 entirely blended and run as sample S057418/S057419.

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

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

To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 7-JUN-2017
Account: ZONMET

Project: McCONNELLS

CERTIFICATE OF ANALYSIS WH17094694

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S057513		<20	<0.01	<10	<10	1	<10	3
S057514		<20	<0.01	<10	<10	1	<10	11
S057515		<20	<0.01	<10	<10	1	<10	2
S057516		<20	<0.01	<10	<10	1	<10	3
S057517		<20	<0.01	<10	<10	2	<10	14
S057518		<20	<0.01	<10	<10	1	<10	9
S057519		20	<0.01	<10	<10	2	<10	9
S057520		<20	<0.01	<10	<10	4	<10	10
S057521		20	<0.01	<10	<10	2	<10	160
S057522		<20	<0.01	<10	<10	2	<10	15
S057523		<20	<0.01	<10	<10	1	<10	8
S057524		<20	<0.01	<10	<10	2	<10	6
S057525		<20	<0.01	<10	<10	1	<10	40
S057526		<20	<0.01	<10	<10	3	<10	128
S057527		<20	<0.01	<10	<10	2	<10	60
S057528		20	<0.01	<10	<10	5	<10	9
S057529		<20	<0.01	<10	<10	1	<10	91
S057530		<20	<0.01	<10	<10	1	<10	100
S057531		<20	<0.01	<10	<10	1	<10	6
S057532		<20	<0.01	<10	<10	2	<10	10
S057533		<20	<0.01	<10	<10	1	<10	<2
S057534		<20	<0.01	<10	<10	2	<10	7
S057535		<20	<0.01	<10	<10	1	<10	23
S057536		<20	<0.01	<10	<10	1	<10	18
S057537		<20	<0.01	<10	<10	1	<10	89
S057538		<20	<0.01	<10	<10	6	<10	4290
S057539		<20	<0.01	<10	<10	<1	<10	5
S057540		<20	<0.01	<10	<10	3	<10	24
S057541		<20	<0.01	<10	<10	2	<10	18
S057542		<20	<0.01	<10	<10	1	<10	80
S057543		<20	<0.01	<10	<10	1	<10	66
S057544		<20	<0.01	<10	<10	1	<10	68
S057545		<20	<0.01	<10	<10	1	<10	6
S057546		<20	<0.01	<10	<10	2	<10	13
S057547		<20	<0.01	<10	<10	1	<10	18
S057548		<20	<0.01	<10	<10	1	<10	4
S057549		20	0.01	<10	<10	7	<10	35
S057550		<20	<0.01	<10	<10	1	<10	2
S057352		<20	0.13	<10	<10	52	<10	32
S057353		<20	0.13	<10	<10	45	<10	21

Comments: Sample S057418 and Sample S057419 entirely blended and run as sample S057418/S057419.

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

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www.alsglobal.com

To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 7-JUN-2017
Account: ZONMET

Project: McCONNELLS

CERTIFICATE OF ANALYSIS WH17094694

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA25 Au ppm 0.01	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
S057354		0.90	0.01	<0.2	1.01	6	<10	490	<0.5	<2	0.41	<0.5	5	10	2	1.95
S057355		0.61	0.01	0.2	0.93	16	<10	60	<0.5	<2	0.86	<0.5	8	38	65	2.03

Comments: Sample S057418 and Sample S057419 entirely blended and run as sample S057418/S057419.

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103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 7-JUN-2017
Account: ZONMET

Project: McCONNELLS

CERTIFICATE OF ANALYSIS WH17094694

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S057354		10	1	0.58	20	0.52	277	<1	0.13	4	680	5	<0.01	<2	2	27
S057355		<10	<1	0.09	10	0.62	348	6	0.08	16	690	11	<0.01	<2	1	33

Comments: Sample S057418 and Sample S057419 entirely blended and run as sample S057418/S057419.

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 7-JUN-2017
Account: ZONMET

Project: McCONNELLS

CERTIFICATE OF ANALYSIS WH17094694

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S057354		<20	0.20	<10	<10	38	<10	44
S057355		<20	0.12	<10	<10	57	<10	49

Comments: Sample S057418 and Sample S057419 entirely blended and run as sample S057418/S057419.

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 7-JUN-2017
Account: ZONMET

Project: McCONNELLS

CERTIFICATE OF ANALYSIS WH17094694

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

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

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

Applies to Method:	
Au-AA25	ME-ICP41

ALS Canada Ltd.

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 22-AUG-2017
Account: ZONMET

CERTIFICATE WH17142876

Project: ZONMET

This report is for 49 Rock samples submitted to our lab in Whitehorse, YT, Canada on 12-JUL-2017.

The following have access to data associated with this certificate:

TERRY CHRISTOPHER		

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

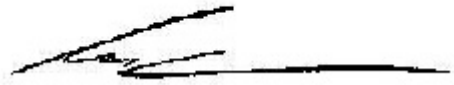
ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA25	Ore Grade Au 30g FA AA finish	AAS

To: **ZONTE METALS**
ATTN: TERRY CHRISTOPHER
SUITE 279 - 103 - 27 LACEWOOD DRIVE
HALIFAX NS B3M 3Y7

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

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

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 22-AUG-2017
Account: ZONMET

Project: ZONMET

CERTIFICATE OF ANALYSIS WH17142876

Sample Description	Method	WEI-21	Au-AA25	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
V329230		0.32	<0.01	<0.2	0.06	7	<10	60	<0.5	<2	6.73	<0.5	<1	4	<1	6.90
V329231		0.20	0.02	<0.2	0.45	311	<10	190	<0.5	<2	0.19	<0.5	10	5	7	0.84
V329232		0.35	0.09	0.2	0.11	1070	<10	70	<0.5	<2	0.27	<0.5	2	3	10	1.20
V329233		0.47	<0.01	<0.2	0.31	13	<10	40	<0.5	<2	1.91	<0.5	<1	8	<1	0.45
V329234		0.57	0.19	<0.2	1.08	32	<10	140	<0.5	<2	2.99	<0.5	5	7	11	1.98
V329235		0.38	3.99	0.3	0.78	4990	<10	240	<0.5	14	0.55	<0.5	11	5	14	5.88
V329236		0.17	1.59	<0.2	1.21	67	10	230	0.5	6	0.48	<0.5	6	6	14	2.35
V329237		0.33	0.35	0.2	0.89	18	<10	130	<0.5	<2	2.81	<0.5	4	5	5	1.67
V329238		0.26	<0.01	2.6	0.33	71	<10	240	<0.5	<2	5.47	1.2	11	4	4	6.56
V329239		0.32	0.28	<0.2	0.97	101	<10	130	<0.5	8	0.50	<0.5	5	6	13	2.02
V329240		0.55	0.01	<0.2	0.83	43	<10	150	0.5	<2	0.18	<0.5	6	6	9	2.10
V329241		0.67	1.62	0.3	0.48	99	10	140	<0.5	<2	0.33	<0.5	5	4	3	1.83
V329242		0.29	<0.01	<0.2	0.73	18	<10	170	<0.5	<2	0.11	<0.5	4	5	3	1.72
V329243		0.49	0.01	<0.2	0.56	25	10	150	<0.5	<2	0.12	<0.5	5	4	1	1.30
V329244		0.65	<0.01	<0.2	0.30	494	<10	140	<0.5	<2	9.2	2.2	3	3	5	3.11
V329245		0.24	0.01	0.2	0.38	992	<10	150	<0.5	<2	2.93	2.7	12	4	2	1.46
V329246		0.49	<0.01	<0.2	1.26	16	<10	200	<0.5	<2	0.42	<0.5	5	9	1	1.98
V329247		0.30	<0.01	<0.2	0.97	10	<10	210	<0.5	<2	1.30	<0.5	5	7	1	1.85
V329248		0.18	<0.01	<0.2	0.21	33	<10	80	<0.5	<2	0.11	<0.5	1	5	1	1.06
V329249		0.35	0.13	0.2	0.44	8	<10	140	<0.5	<2	2.01	<0.5	4	3	1	1.78
V329250		0.52	<0.01	<0.2	0.34	4	<10	120	<0.5	<2	3.13	<0.5	4	3	1	1.79
V329251		0.28	<0.01	<0.2	0.32	37	<10	130	<0.5	<2	0.90	<0.5	1	4	<1	0.75
V329252		0.70	<0.01	0.2	0.02	262	<10	70	<0.5	<2	12.9	<0.5	3	1	2	10.85
V329253		0.50	<0.01	<0.2	0.44	6	<10	160	0.5	<2	0.18	<0.5	2	4	4	1.06
V329254		0.29	0.01	0.2	0.30	16	<10	70	<0.5	<2	7.25	0.9	<1	2	1	2.58
V329255		0.51	<0.01	0.2	0.39	4	<10	90	<0.5	<2	0.18	0.7	<1	3	<1	1.05
V329256		0.48	<0.01	<0.2	0.37	6	<10	80	<0.5	<2	1.35	<0.5	<1	2	<1	0.81
V329257		0.12	<0.01	<0.2	0.99	14	<10	240	0.6	<2	3.60	<0.5	2	3	1	1.19
V329258		0.38	<0.01	0.2	0.30	62	<10	110	<0.5	<2	13.3	<0.5	4	2	3	3.32
V329259		0.40	<0.01	<0.2	0.53	9	<10	60	0.9	<2	3.33	<0.5	5	3	<1	1.91
V329260		0.49	<0.01	<0.2	0.65	94	<10	160	<0.5	<2	3.25	<0.5	1	3	<1	1.05
V329261		0.63	0.07	<0.2	0.81	143	<10	210	0.5	<2	2.78	<0.5	3	6	17	1.35
V329262		0.30	<0.01	0.2	0.33	60	<10	110	<0.5	<2	0.73	0.6	5	4	1	0.89
V329263		0.52	0.10	<0.2	0.10	15	<10	40	<0.5	<2	5.26	<0.5	<1	4	<1	0.98
V329297		0.54	<0.01	0.2	0.60	109	<10	80	<0.5	<2	1.24	<0.5	1	6	2	1.11
V329298		0.34	1.11	3.4	0.24	>10000	<10	90	<0.5	352	0.40	<0.5	11	4	59	6.56
V329299		0.40	3.16	7.3	0.10	>10000	<10	40	<0.5	1535	0.15	<0.5	16	2	311	14.85
V329300		0.23	<0.01	<0.2	0.94	251	<10	130	<0.5	5	0.44	<0.5	3	6	7	1.70
V329301		0.25	0.05	0.3	1.10	1415	<10	170	<0.5	28	0.31	<0.5	5	7	18	2.44
V329302		0.38	<0.01	<0.2	1.14	34	<10	170	<0.5	<2	0.25	<0.5	3	8	4	2.05

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 22-AUG-2017
Account: ZONMET

Project: ZONMET

CERTIFICATE OF ANALYSIS WH17142876

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
V329230		<10	<1	0.04	20	1.32	5610	<1	0.01	1	70	7	<0.01	<2	3	129
V329231		<10	<1	0.23	30	0.05	511	<1	0.05	9	390	7	0.02	<2	1	10
V329232		<10	<1	0.09	<10	0.03	185	<1	0.01	2	40	5	0.66	<2	<1	10
V329233		<10	<1	0.10	20	0.28	230	<1	0.07	2	310	2	<0.01	<2	2	89
V329234		<10	<1	0.39	30	0.41	808	1	0.02	3	560	7	<0.01	<2	1	148
V329235		<10	<1	0.26	20	0.31	1275	1	0.01	4	440	29	0.14	2	1	37
V329236		<10	<1	0.44	30	0.39	924	1	0.02	8	470	18	0.01	<2	2	24
V329237		<10	<1	0.31	30	0.36	976	<1	0.01	2	610	20	<0.01	<2	1	173
V329238		<10	<1	0.16	10	0.59	1625	<1	0.01	6	240	467	0.02	<2	2	356
V329239		<10	<1	0.30	20	0.39	518	<1	0.02	3	520	10	<0.01	<2	1	26
V329240		<10	1	0.35	30	0.18	349	<1	0.03	5	490	64	<0.01	<2	1	13
V329241		<10	1	0.30	30	0.06	392	1	0.03	2	550	48	<0.01	<2	1	13
V329242		<10	<1	0.39	30	0.13	639	<1	0.03	3	520	8	<0.01	<2	1	7
V329243		<10	<1	0.33	30	0.08	320	1	0.03	3	540	29	<0.01	<2	1	7
V329244		<10	<1	0.20	<10	2.77	2290	2	0.01	3	510	6	<0.01	<2	19	159
V329245		<10	<1	0.26	10	0.38	1215	<1	0.01	3	420	8	0.05	<2	1	116
V329246		10	<1	0.52	40	0.46	512	<1	0.05	4	570	8	<0.01	<2	2	25
V329247		<10	<1	0.45	40	0.33	437	<1	0.06	3	620	21	<0.01	<2	2	79
V329248		<10	<1	0.12	<10	0.02	451	<1	0.01	2	50	4	<0.01	<2	<1	6
V329249		<10	<1	0.28	20	0.20	434	<1	0.03	2	540	28	0.01	<2	1	122
V329250		<10	<1	0.12	50	0.93	1475	<1	0.06	5	590	5	<0.01	<2	8	62
V329251		<10	<1	0.19	10	0.04	585	<1	0.02	1	450	2	<0.01	<2	<1	33
V329252		<10	<1	0.01	<10	1.99	8230	<1	0.01	1	20	6	<0.01	<2	5	298
V329253		<10	<1	0.28	20	0.04	708	<1	0.01	2	350	7	<0.01	<2	1	7
V329254		<10	1	0.14	10	2.12	2030	<1	0.03	3	490	11	<0.01	<2	11	168
V329255		<10	<1	0.18	10	0.03	977	<1	0.04	2	740	24	<0.01	<2	2	9
V329256		<10	<1	0.19	20	0.22	685	<1	0.06	<1	770	8	<0.01	<2	2	29
V329257		<10	1	0.48	20	0.25	847	<1	0.03	1	500	3	<0.01	<2	1	147
V329258		<10	<1	0.10	20	0.76	3690	<1	0.01	5	150	6	0.04	<2	4	515
V329259		<10	<1	0.18	40	0.14	623	<1	0.02	2	530	20	<0.01	<2	2	109
V329260		<10	<1	0.34	20	0.10	853	<1	0.02	<1	570	2	<0.01	<2	1	93
V329261		<10	<1	0.38	20	0.27	684	<1	0.02	2	520	7	0.03	<2	2	121
V329262		<10	<1	0.20	10	0.05	397	<1	0.01	2	250	36	0.06	<2	<1	23
V329263		<10	<1	0.07	<10	0.08	1335	<1	0.01	<1	60	6	<0.01	<2	1	152
V329297		<10	<1	0.17	30	0.57	578	<1	0.06	6	480	4	<0.01	<2	3	47
V329298		<10	<1	0.22	10	0.03	329	1	0.01	4	200	335	2.21	84	<1	48
V329299		<10	<1	0.31	10	0.02	166	1	0.02	5	80	495	4.93	147	<1	65
V329300		<10	<1	0.22	50	0.34	252	<1	0.04	3	430	15	0.13	2	1	34
V329301		<10	<1	0.33	40	0.42	286	1	0.07	5	410	24	0.07	3	3	26
V329302		10	<1	0.35	40	0.41	282	<1	0.06	3	430	9	0.01	<2	3	20

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

ALS Canada Ltd.
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www.alsglobal.com/geochemistry

To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 22-AUG-2017
Account: ZONMET

Project: ZONMET

CERTIFICATE OF ANALYSIS WH17142876

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
V329230		<20	<0.01	<10	<10	1	<10	67
V329231		<20	<0.01	<10	<10	5	<10	13
V329232		<20	<0.01	<10	<10	1	<10	6
V329233		<20	<0.01	<10	<10	2	<10	5
V329234		20	0.01	<10	<10	7	<10	48
V329235		<20	<0.01	<10	<10	4	<10	82
V329236		20	0.02	<10	<10	7	<10	72
V329237		20	<0.01	<10	<10	4	<10	55
V329238		<20	<0.01	<10	<10	1	<10	178
V329239		20	0.01	<10	<10	7	<10	30
V329240		20	0.02	<10	<10	7	<10	69
V329241		<20	<0.01	<10	<10	3	<10	42
V329242		20	0.01	<10	<10	6	<10	26
V329243		<20	<0.01	<10	<10	3	<10	40
V329244		<20	<0.01	<10	<10	4	<10	579
V329245		<20	<0.01	<10	<10	1	<10	531
V329246		20	0.07	<10	<10	14	<10	46
V329247		20	0.06	<10	<10	11	<10	71
V329248		<20	<0.01	<10	<10	1	<10	11
V329249		<20	0.01	<10	10	2	<10	45
V329250		20	<0.01	<10	<10	2	<10	9
V329251		<20	<0.01	<10	<10	1	<10	9
V329252		<20	<0.01	<10	<10	1	<10	49
V329253		<20	<0.01	<10	<10	2	<10	63
V329254		<20	<0.01	<10	<10	4	<10	215
V329255		<20	<0.01	<10	<10	2	<10	103
V329256		20	<0.01	<10	<10	2	<10	32
V329257		<20	<0.01	<10	<10	4	<10	16
V329258		<20	<0.01	<10	<10	1	<10	15
V329259		20	<0.01	<10	<10	4	<10	50
V329260		20	<0.01	<10	<10	2	<10	10
V329261		20	0.01	<10	<10	6	<10	21
V329262		<20	<0.01	<10	<10	1	<10	125
V329263		<20	<0.01	<10	<10	<1	<10	10
V329297		20	<0.01	<10	<10	13	<10	58
V329298		<20	<0.01	<10	<10	2	<10	11
V329299		<20	<0.01	<10	<10	1	<10	16
V329300		20	0.05	<10	<10	9	<10	32
V329301		20	0.08	<10	<10	17	<10	38
V329302		20	0.06	<10	<10	18	<10	42

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

ALS Canada Ltd.

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 22-AUG-2017
Account: ZONMET

Project: ZONMET

CERTIFICATE OF ANALYSIS WH17142876

Sample Description	Method	WEI-21	Au-AA25	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
V329303		0.22	<0.01	<0.2	1.01	82	<10	130	0.5	2	0.26	<0.5	3	7	5	1.88
V329304		0.49	0.03	<0.2	0.36	335	<10	210	<0.5	<2	0.82	<0.5	3	3	21	2.58
V329305		0.21	0.03	<0.2	0.64	38	<10	220	0.5	2	0.55	<0.5	2	4	17	1.61
V329306		0.18	<0.01	<0.2	1.02	14	<10	140	0.6	<2	1.49	<0.5	4	5	3	1.90
V329307		0.31	0.12	1.2	0.29	582	<10	140	<0.5	2	1.18	<0.5	2	4	8	1.88
V329308		0.51	0.01	<0.2	0.42	220	<10	170	<0.5	<2	1.63	<0.5	1	3	9	0.80
V329309		0.31	0.01	0.2	0.34	191	<10	120	<0.5	<2	6.45	<0.5	3	3	80	4.56
V329310		0.35	0.11	0.2	0.38	520	<10	150	<0.5	13	0.06	<0.5	3	5	17	1.94
V329296		0.59	0.59	<0.2	0.53	64	<10	180	0.5	<2	0.21	1.1	3	5	2	2.06

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 22-AUG-2017
Account: ZONMET

Project: ZONMET

CERTIFICATE OF ANALYSIS WH17142876

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
V329303		<10	<1	0.23	70	0.28	312	<1	0.04	4	380	12	0.01	<2	2	18
V329304		<10	<1	0.26	20	0.03	823	1	0.01	4	310	7	0.01	<2	1	30
V329305		<10	1	0.37	40	0.07	470	<1	0.04	4	440	4	0.06	<2	1	30
V329306		<10	<1	0.24	50	0.25	321	<1	0.03	4	430	11	0.01	<2	3	78
V329307		<10	<1	0.21	10	0.03	450	<1	0.01	1	230	17	0.26	3	<1	54
V329308		<10	<1	0.27	20	0.05	593	<1	0.01	2	380	2	0.03	<2	1	60
V329309		<10	1	0.19	10	2.12	2350	<1	0.01	6	240	3	0.04	<2	15	162
V329310		<10	<1	0.25	30	0.03	156	1	0.01	6	120	22	0.05	2	1	14
V329296		<10	<1	0.32	30	0.08	1480	1	0.02	4	610	4	<0.01	<2	2	8

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 22-AUG-2017
Account: ZONMET

Project: ZONMET

CERTIFICATE OF ANALYSIS WH17142876

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
V329303		20	0.01	<10	<10	11	<10	41
V329304		<20	<0.01	<10	<10	1	<10	18
V329305		20	<0.01	<10	<10	4	<10	9
V329306		20	0.01	<10	<10	11	<10	68
V329307		<20	<0.01	<10	<10	1	<10	33
V329308		<20	<0.01	<10	<10	2	<10	7
V329309		<20	<0.01	<10	<10	6	<10	37
V329310		<20	<0.01	<10	<10	2	<10	8
V329296		20	<0.01	<10	<10	4	<10	221

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

ALS Canada Ltd.

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 22-AUG-2017
Account: ZONMET

Project: ZONMET

CERTIFICATE OF ANALYSIS WH17142876

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

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

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

Applies to Method:		
	Au-AA25	ME-ICP41

ALS Canada Ltd.

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 18-JUL-2017
Account: ZONMET

CERTIFICATE WH17142851

Project: McConnells Jest

This report is for 32 Rock samples submitted to our lab in Whitehorse, YT, Canada on 12-JUL-2017.

The following have access to data associated with this certificate:

TERRY CHRISTOPHER		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

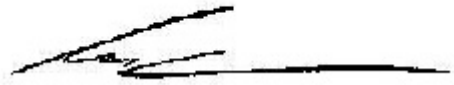
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA25	Ore Grade Au 30g FA AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ZONTE METALS**
ATTN: TERRY CHRISTOPHER
SUITE 279 - 103 - 27 LACEWOOD DRIVE
HALIFAX NS B3M 3Y7

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 18-JUL-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17142851

Sample Description	Method	WEI-21	Au-AA25	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
V329264		0.31	0.08	<0.2	0.84	181	<10	190	<0.5	<2	0.66	<0.5	6	8	8	1.53
V329265		0.52	<0.01	<0.2	0.51	369	<10	140	<0.5	<2	1.44	<0.5	4	5	26	1.69
V329266		0.35	0.03	0.2	0.36	553	<10	110	<0.5	16	0.30	0.9	4	4	27	0.95
V329267		0.59	<0.01	<0.2	0.31	319	<10	170	<0.5	<2	4.95	<0.5	2	4	10	4.88
V329268		0.37	0.24	<0.2	0.46	551	<10	140	<0.5	9	0.10	<0.5	6	5	15	2.03
V329269		0.25	0.35	<0.2	0.55	>10000	<10	270	<0.5	6	0.84	<0.5	15	6	28	5.46
V329270		0.87	<0.01	<0.2	1.29	63	<10	280	<0.5	<2	0.85	<0.5	4	12	3	1.81
V329271		0.39	<0.01	<0.2	1.16	134	<10	220	<0.5	<2	0.69	<0.5	5	10	9	1.96
V329272		0.49	0.01	<0.2	1.32	7	<10	270	<0.5	2	0.79	<0.5	4	11	3	2.00
V329273		0.54	<0.01	<0.2	1.03	21	<10	200	<0.5	<2	1.64	<0.5	4	9	9	1.67
V329274		0.43	0.05	<0.2	0.91	150	<10	180	<0.5	<2	1.26	<0.5	4	6	39	2.11
V329275		0.49	0.04	0.5	0.70	34	<10	180	<0.5	2	0.16	<0.5	6	6	11	2.05
V329276		0.40	0.22	<0.2	0.94	173	<10	120	<0.5	2	0.06	<0.5	3	6	22	2.48
V329277		0.39	<0.01	<0.2	0.65	182	<10	180	<0.5	3	0.34	<0.5	2	6	4	1.52
V329278		0.34	0.36	0.2	0.36	>10000	<10	210	<0.5	3	0.08	<0.5	33	5	20	4.67
V329279		0.32	0.33	0.2	0.59	203	<10	160	<0.5	5	0.02	<0.5	4	6	28	2.81
V329280		0.20	<0.01	<0.2	1.07	90	<10	240	<0.5	<2	1.22	<0.5	4	8	12	2.09
V329281		0.30	<0.01	<0.2	0.86	29	<10	250	0.5	2	2.63	0.5	6	7	4	1.39
V329282		0.21	0.06	0.2	0.64	64	<10	230	0.5	2	1.26	<0.5	4	7	2	1.86
V329283		0.26	0.05	<0.2	1.20	315	<10	260	<0.5	<2	1.50	<0.5	6	7	10	2.73
V329284		0.32	<0.01	<0.2	1.06	16	<10	180	<0.5	<2	1.31	<0.5	3	8	5	1.83
V329311		0.48	<0.01	0.4	0.57	15	<10	180	<0.5	<2	4.04	<0.5	4	6	7	1.41
V329312		0.14	0.80	0.6	0.46	6540	<10	250	<0.5	4	1.84	<0.5	22	5	149	10.25
V329313		0.46	5.35	1.2	0.30	>10000	<10	20	<0.5	75	0.06	<0.5	634	2	172	17.85
V329314		0.35	0.10	0.2	0.54	387	<10	160	<0.5	<2	0.17	<0.5	5	6	9	1.56
V329315		0.48	0.89	0.2	0.54	3960	<10	180	<0.5	3	0.37	<0.5	13	6	68	2.53
V329316		0.36	3.08	11.9	0.43	332	<10	130	<0.5	40	1.74	<0.5	2	5	19	1.77
V329317		0.21	0.88	0.5	0.51	365	<10	140	<0.5	45	2.41	<0.5	2	7	68	7.00
V329318		0.39	<0.01	<0.2	0.88	36	<10	170	<0.5	2	2.54	<0.5	3	9	3	1.26
V329319		0.43	0.36	<0.2	0.61	>10000	<10	130	<0.5	2	0.10	<0.5	19	6	46	4.50
V329320		0.40	<0.01	0.2	0.53	41	<10	150	<0.5	<2	1.20	<0.5	4	5	8	1.74
V329321		0.48	<0.01	<0.2	0.55	112	<10	180	<0.5	<2	2.49	<0.5	2	5	11	1.79

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

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

To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 18-JUL-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17142851

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
V329264		<10	<1	0.31	30	0.42	653	1	0.04	4	480	13	0.02	<2	3	31
V329265		<10	<1	0.19	30	0.23	893	1	0.04	3	430	9	0.04	<2	3	71
V329266		<10	<1	0.19	30	0.03	600	1	0.05	1	500	12	0.02	5	1	16
V329267		<10	<1	0.18	10	0.81	4070	1	0.02	<1	340	2	0.05	<2	3	114
V329268		<10	<1	0.25	20	0.07	563	1	0.03	2	350	15	0.02	<2	1	6
V329269		<10	<1	0.31	20	0.12	1685	1	0.03	6	500	15	0.32	4	1	41
V329270		<10	<1	0.64	40	0.45	419	<1	0.06	2	540	8	0.01	<2	3	44
V329271		<10	<1	0.43	30	0.41	624	1	0.05	3	520	12	0.01	<2	2	35
V329272		<10	<1	0.71	40	0.47	485	1	0.04	3	560	9	0.01	<2	3	50
V329273		<10	<1	0.39	30	0.37	595	1	0.03	1	540	9	0.04	<2	2	91
V329274		<10	<1	0.32	20	0.30	492	2	0.03	<1	550	11	0.06	<2	1	73
V329275		<10	<1	0.38	30	0.13	443	1	0.03	3	490	90	0.01	<2	1	11
V329276		<10	<1	0.25	20	0.35	481	1	0.02	1	320	23	0.02	<2	1	5
V329277		<10	<1	0.32	30	0.15	890	1	0.04	2	530	8	0.01	<2	1	15
V329278		<10	<1	0.20	10	0.03	484	2	0.02	3	440	44	1.01	8	<1	7
V329279		<10	<1	0.41	30	0.03	292	1	0.02	2	230	17	0.01	<2	1	5
V329280		<10	<1	0.41	40	0.34	475	1	0.04	3	570	17	0.03	<2	2	68
V329281		<10	<1	0.47	30	0.16	479	1	0.03	2	540	35	0.01	<2	1	122
V329282		<10	<1	0.37	20	0.12	667	1	0.02	1	520	43	0.01	<2	1	83
V329283		<10	<1	0.40	30	0.41	1070	1	0.03	2	470	11	0.02	<2	2	98
V329284		<10	<1	0.36	30	0.38	685	1	0.02	2	550	11	<0.01	<2	1	83
V329311		<10	<1	0.39	20	0.14	714	<1	0.02	<1	440	71	0.02	<2	1	199
V329312		<10	<1	0.21	40	0.14	2240	7	0.04	7	400	28	0.23	2	4	67
V329313		<10	1	0.19	<10	0.05	60	5	0.01	23	230	181	7.41	68	1	15
V329314		<10	<1	0.33	30	0.08	410	7	0.03	1	500	83	0.02	<2	1	13
V329315		<10	<1	0.30	20	0.05	615	3	0.05	2	530	16	0.20	<2	1	13
V329316		<10	<1	0.28	20	0.05	560	2	0.02	<1	520	80	0.03	2	1	59
V329317		<10	<1	0.18	60	0.23	1730	1	0.03	1	310	140	0.05	<2	3	65
V329318		<10	<1	0.38	30	0.42	319	1	0.04	2	500	13	0.01	<2	2	99
V329319		<10	<1	0.21	10	0.16	303	1	0.04	6	370	8	0.36	5	1	11
V329320		<10	<1	0.30	30	0.10	415	<1	0.02	1	690	34	0.04	<2	1	55
V329321		<10	<1	0.39	20	0.17	997	<1	0.02	1	430	9	0.02	<2	1	74

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

ALS Canada Ltd.
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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 18-JUL-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17142851

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
V329264		20	0.05	<10	<10	11	<10	33
V329265		<20	<0.01	<10	<10	5	<10	56
V329266		<20	<0.01	<10	<10	1	<10	197
V329267		<20	<0.01	<10	<10	2	<10	33
V329268		<20	<0.01	<10	<10	2	<10	12
V329269		<20	<0.01	<10	<10	3	<10	21
V329270		20	0.10	<10	<10	16	<10	41
V329271		20	0.03	<10	<10	11	<10	36
V329272		20	0.08	<10	<10	15	<10	41
V329273		20	0.02	<10	<10	9	<10	27
V329274		<20	0.01	<10	<10	5	<10	29
V329275		<20	<0.01	<10	<10	4	<10	85
V329276		<20	<0.01	<10	<10	6	<10	27
V329277		20	0.02	<10	<10	6	<10	22
V329278		<20	<0.01	<10	<10	3	<10	64
V329279		<20	<0.01	<10	<10	5	<10	13
V329280		20	0.02	<10	<10	9	<10	36
V329281		20	0.01	<10	<10	5	<10	116
V329282		<20	<0.01	<10	<10	3	<10	26
V329283		<20	<0.01	<10	<10	7	<10	37
V329284		20	0.01	<10	<10	7	<10	35
V329311		<20	<0.01	<10	<10	2	<10	31
V329312		<20	<0.01	<10	<10	3	<10	25
V329313		<20	<0.01	<10	<10	2	<10	9
V329314		<20	<0.01	<10	<10	3	<10	112
V329315		<20	<0.01	<10	<10	2	<10	15
V329316		<20	<0.01	<10	<10	2	<10	19
V329317		<20	<0.01	<10	<10	3	<10	23
V329318		20	0.04	<10	<10	12	<10	24
V329319		<20	<0.01	<10	<10	5	<10	15
V329320		<20	<0.01	<10	<10	2	<10	54
V329321		<20	<0.01	<10	10	2	<10	63

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

ALS Canada Ltd.

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 18-JUL-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17142851

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

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

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

Applies to Method:	
Au-AA25	ME-ICP41

ALS Canada Ltd.

2103 Dollarton Hwy
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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 6-SEP-2017
Account: ZONMET

CERTIFICATE WH17161646

Project: McConnells Jest

This report is for 17 Rock samples submitted to our lab in Whitehorse, YT, Canada on 3-AUG-2017.

The following have access to data associated with this certificate:

TERRY CHRISTOPHER		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

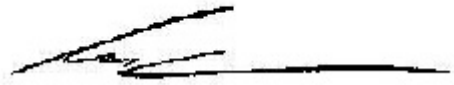
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA25	Ore Grade Au 30g FA AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ZONTE METALS**
ATTN: TERRY CHRISTOPHER
SUITE 279 - 103 - 27 LACEWOOD DRIVE
HALIFAX NS B3M 3Y7

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 6-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17161646

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA25 Au ppm 0.01	Au-GRA21 Au ppm 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
V329285		0.19	0.01		<0.2	0.95	47	<10	270	0.6	<2	0.61	<0.5	7	5	2
V329286		0.23	0.39		<0.2	0.91	484	<10	150	<0.5	7	0.82	<0.5	10	4	24
V329287		0.53	>100	129.0	61.3	0.06	>10000	<10	50	<0.5	14	0.04	2.2	6	3	9
V329288		0.26	0.02		0.2	0.31	219	<10	280	<0.5	<2	1.28	0.5	5	5	5
V329289		0.23	2.72		0.8	0.48	1710	<10	170	<0.5	2	4.65	<0.5	2	3	1
V329290		0.34	0.92		0.8	0.22	87	<10	180	<0.5	<2	4.12	0.7	4	4	52
V329292		0.25	0.10		0.2	0.41	98	<10	140	<0.5	4	1.04	<0.5	3	4	72
V329293		0.44	<0.01		<0.2	0.43	37	<10	120	<0.5	<2	1.31	<0.5	3	3	1
V329294		0.49	<0.01		0.2	1.48	22	<10	130	0.6	<2	0.23	<0.5	1	37	15
V329295		0.58	<0.01		<0.2	0.14	39	<10	20	<0.5	<2	0.02	<0.5	1	13	7
V329291		0.31	0.02		<0.2	0.13	417	<10	60	<0.5	<2	2.40	<0.5	2	13	5
V329323		0.42	<0.01		<0.2	0.30	23	<10	60	<0.5	2	0.70	<0.5	5	4	3
V329324		0.52	<0.01		<0.2	0.37	13	<10	40	<0.5	<2	2.33	<0.5	3	9	2
V329325		0.35	0.03		<0.2	0.40	1665	<10	200	<0.5	3	0.25	<0.5	10	5	1
V329326		0.35	<0.01		<0.2	0.41	16	<10	130	<0.5	<2	0.62	<0.5	5	4	6
V329327		0.36	<0.01		<0.2	0.46	33	<10	110	<0.5	<2	0.14	<0.5	6	7	3
V329328		0.30	<0.01		<0.2	0.35	20	<10	100	<0.5	<2	0.09	<0.5	5	6	2

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 6-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17161646

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
V329285		2.08	<10	<1	0.49	30	0.20	913	<1	0.04	4	620	24	0.04	<2	2
V329286		2.76	<10	<1	0.33	20	0.30	1145	1	0.02	4	520	11	0.06	2	2
V329287		11.55	<10	<1	0.05	<10	<0.01	41	<1	<0.01	1	50	5100	5.03	479	<1
V329288		9.34	<10	1	0.17	10	0.10	4340	9	0.01	3	330	28	0.04	5	4
V329289		4.48	<10	<1	0.33	10	0.20	2210	<1	0.02	1	400	112	0.09	8	2
V329290		5.81	<10	<1	0.15	20	0.10	3850	4	0.01	5	210	3	0.04	4	3
V329292		2.43	<10	<1	0.32	20	0.07	985	<1	0.02	3	590	22	0.10	4	1
V329293		1.75	<10	<1	0.33	30	0.08	730	1	0.02	2	530	5	0.03	<2	1
V329294		3.06	10	<1	0.43	10	1.01	185	12	0.02	3	1550	7	0.23	<2	2
V329295		1.43	<10	<1	0.05	<10	0.06	74	1	0.01	4	160	11	0.05	<2	<1
V329291		3.04	<10	<1	0.04	<10	0.11	758	3	0.01	3	100	4	0.04	6	1
V329323		1.62	<10	<1	0.12	10	0.08	537	1	0.06	9	580	2	0.03	2	2
V329324		1.48	<10	<1	0.01	<10	1.20	395	<1	<0.01	30	30	2	0.03	<2	1
V329325		2.38	<10	<1	0.28	20	0.04	1215	<1	0.02	4	490	8	0.07	4	1
V329326		1.89	<10	<1	0.28	20	0.07	600	<1	0.03	4	510	13	0.04	2	1
V329327		1.57	<10	<1	0.21	20	0.09	690	1	0.03	9	280	5	0.03	<2	1
V329328		1.64	<10	<1	0.20	20	0.03	730	1	0.03	5	320	5	0.04	2	2

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 6-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17161646

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Sr	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	1	20	0.01	10	10	1	10	2
V329285		41	<20	0.01	<10	<10	5	<10	43
V329286		63	<20	<0.01	<10	<10	4	<10	27
V329287		8	<20	<0.01	<10	<10	1	<10	141
V329288		41	<20	<0.01	<10	<10	3	<10	50
V329289		118	<20	<0.01	<10	<10	2	<10	23
V329290		66	<20	<0.01	<10	<10	1	<10	34
V329292		37	20	<0.01	<10	<10	2	<10	72
V329293		39	20	<0.01	<10	<10	2	<10	40
V329294		11	<20	0.03	<10	<10	45	<10	31
V329295		4	<20	<0.01	<10	<10	8	<10	9
V329291		104	<20	<0.01	<10	<10	3	<10	28
V329323		19	20	<0.01	<10	<10	1	<10	4
V329324		50	<20	<0.01	<10	<10	106	<10	19
V329325		8	<20	<0.01	<10	<10	3	<10	23
V329326		29	<20	<0.01	<10	<10	3	<10	58
V329327		9	<20	<0.01	<10	<10	7	<10	18
V329328		6	<20	<0.01	<10	<10	4	<10	11

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

ALS Canada Ltd.

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 6-SEP-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17161646

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

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

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

Applies to Method:			
	Au-AA25	Au-GRA21	ME-ICP41

ALS Canada Ltd.

2103 Dollarton Hwy
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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 29-JUN-2017
Account: ZONMET

CERTIFICATE WH17111408

Project: McConnells Jest, Yukon

This report is for 63 Rock samples submitted to our lab in Whitehorse, YT, Canada on 5-JUN-2017.

The following have access to data associated with this certificate:

TERRY CHRISTOPHER		

SAMPLE PREPARATION

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

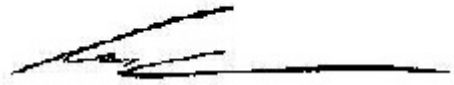
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA25	Ore Grade Au 30g FA AA finish	AAS

To: **ZONTE METALS**
ATTN: TERRY CHRISTOPHER
SUITE 279 - 103 - 27 LACEWOOD DRIVE
HALIFAX NS B3M 3Y7

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 29-JUN-2017
Account: ZONMET

Project: McConnells Jest, Yukon

CERTIFICATE OF ANALYSIS WH17111408

Sample Description	Method	WEI-21	Au-AA25	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
V329165		0.33	0.21	0.8	0.48	79	<10	130	<0.5	3	3.88	1.6	3	3	5	1.86
V329166		0.35	<0.01	<0.2	0.38	11	<10	40	<0.5	<2	1.04	<0.5	1	7	3	0.78
V329167		0.32	0.20	<0.2	0.66	120	<10	210	0.6	<2	0.18	<0.5	3	3	22	1.72
V329168		0.35	0.01	0.2	0.15	184	<10	50	<0.5	2	0.02	<0.5	2	6	4	1.28
V329169		0.28	0.01	<0.2	0.36	11	<10	100	<0.5	<2	0.27	<0.5	1	5	2	0.82
V329170		0.29	<0.01	<0.2	0.06	56	<10	20	<0.5	<2	0.42	<0.5	<1	5	1	0.47
V329171		0.24	<0.01	<0.2	0.31	63	<10	100	<0.5	<2	1.07	<0.5	1	5	1	0.79
V329172		0.38	14.10	4.7	0.30	>10000	<10	110	<0.5	2	0.39	<0.5	11	3	102	8.54
V329173		0.21	0.02	<0.2	0.24	330	<10	60	<0.5	<2	0.09	1.5	4	6	5	1.23
V329174		0.49	0.02	<0.2	0.51	140	<10	100	0.7	<2	0.68	2.0	5	4	2	1.47
V329175		0.31	<0.01	<0.2	0.81	17	<10	170	<0.5	<2	2.51	<0.5	4	5	1	1.24
V329176		0.35	0.07	<0.2	0.16	459	<10	80	<0.5	<2	0.73	<0.5	3	4	3	0.72
V329177		0.43	0.09	<0.2	0.09	3890	<10	30	<0.5	<2	0.05	<0.5	9	5	78	4.48
V329178		0.79	14.90	12.8	<0.01	>10000	<10	20	<0.5	32	0.02	<0.5	279	1	5	23.0
V329179		0.28	0.03	<0.2	1.23	1155	<10	230	<0.5	<2	0.25	<0.5	6	7	9	2.14
V329180		0.33	0.32	0.2	0.49	>10000	<10	190	<0.5	<2	0.08	<0.5	21	4	53	6.50
V329181		0.65	0.28	<0.2	0.87	1600	<10	230	<0.5	<2	0.82	<0.5	4	4	70	3.58
V329182		0.39	5.48	0.3	0.47	>10000	<10	180	<0.5	2	0.09	<0.5	14	4	67	5.47
V329183		0.34	0.01	<0.2	0.53	88	<10	220	<0.5	<2	0.09	<0.5	2	2	2	1.28
V329184		0.29	0.01	<0.2	0.21	350	<10	40	<0.5	<2	0.03	<0.5	3	5	2	0.65
V329185		0.36	0.03	<0.2	0.38	5790	<10	140	<0.5	<2	0.05	<0.5	5	4	57	5.66
V329186		0.38	0.89	0.2	0.78	459	<10	180	<0.5	35	0.17	<0.5	14	6	94	6.18
V329187		0.40	<0.01	<0.2	1.27	48	<10	210	<0.5	<2	0.28	<0.5	3	5	2	2.22
V329188		0.19	1.29	0.4	0.57	5890	<10	250	<0.5	19	0.25	<0.5	29	5	169	9.51
V329189		0.33	0.47	0.2	1.08	351	<10	170	<0.5	15	0.61	<0.5	4	6	30	4.15
V329190		0.15	1.24	<0.2	0.66	210	<10	210	0.5	13	0.11	<0.5	11	5	107	5.25
V329191		0.46	7.01	1.1	0.57	378	<10	60	<0.5	171	0.02	<0.5	1	4	80	9.15
V329192		0.30	0.31	<0.2	1.17	362	<10	130	<0.5	7	0.20	<0.5	15	5	30	3.09
V329193		0.26	11.80	2.8	0.44	3500	<10	130	<0.5	547	0.12	<0.5	16	4	163	8.21
V329194		0.19	0.03	<0.2	0.83	47	<10	240	<0.5	3	2.25	<0.5	2	4	4	3.40
V329195		0.30	0.23	<0.2	0.46	92	<10	170	<0.5	4	2.10	<0.5	10	3	70	3.96
V329196		0.22	<0.01	<0.2	0.13	207	<10	60	<0.5	<2	3.97	<0.5	3	3	1	1.60
V329197		0.39	0.69	0.3	0.21	>10000	<10	90	<0.5	21	0.71	<0.5	39	4	165	6.05
V329198		0.40	<0.01	<0.2	0.33	65	<10	110	<0.5	<2	5.09	<0.5	<1	2	2	1.96
V329199		0.23	0.01	<0.2	0.62	88	<10	260	<0.5	<2	4.60	1.7	3	3	18	4.68
V329200		0.43	<0.01	<0.2	1.63	9	<10	210	<0.5	<2	0.52	<0.5	4	10	<1	2.31
V329201		0.34	<0.01	<0.2	1.46	25	<10	150	<0.5	<2	0.46	<0.5	3	9	1	2.16
V329202		0.22	0.01	<0.2	0.21	14	<10	90	<0.5	<2	1.42	<0.5	1	10	3	1.10
V329203		0.23	0.01	<0.2	0.12	19	<10	50	<0.5	<2	0.07	<0.5	1	5	2	2.57
V329204		0.38	0.01	<0.2	0.59	41	<10	200	<0.5	<2	0.45	<0.5	4	4	1	1.17

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 29-JUN-2017
Account: ZONMET

Project: McConnells Jest, Yukon

CERTIFICATE OF ANALYSIS WH17111408

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
V329165		<10	<1	0.16	20	1.13	1590	1	0.03	12	430	42	<0.01	3	6	101
V329166		<10	<1	0.06	10	0.39	285	1	0.05	6	160	<2	0.01	<2	1	46
V329167		<10	<1	0.39	20	0.07	838	1	0.01	5	600	3	0.03	<2	1	10
V329168		<10	<1	0.07	<10	0.02	590	1	<0.01	3	20	23	0.02	<2	1	3
V329169		<10	1	0.18	10	0.06	451	1	0.02	4	200	4	0.02	<2	1	9
V329170		<10	1	0.03	<10	0.04	171	1	<0.01	2	40	<2	0.01	<2	<1	11
V329171		<10	<1	0.16	20	0.19	474	<1	0.07	2	410	5	0.02	<2	2	37
V329172		<10	<1	0.26	10	0.04	202	1	<0.01	2	140	12	0.08	8	1	56
V329173		<10	<1	0.08	10	0.03	477	1	<0.01	5	80	10	0.02	<2	1	6
V329174		<10	<1	0.26	40	0.08	290	1	0.02	4	600	26	0.03	<2	1	43
V329175		<10	<1	0.34	40	0.16	492	1	0.02	3	600	21	0.02	<2	1	69
V329176		<10	<1	0.10	10	0.03	456	1	<0.01	4	100	3	0.03	<2	<1	30
V329177		<10	1	0.03	10	0.01	347	2	<0.01	4	50	7	0.05	<2	<1	5
V329178		<10	<1	0.02	<10	<0.01	16	4	<0.01	52	30	106	9.00	137	<1	6
V329179		<10	1	0.58	30	0.41	566	1	0.03	4	610	9	0.05	2	2	17
V329180		<10	1	0.29	10	0.03	276	1	0.01	3	340	6	0.16	6	1	29
V329181		<10	<1	0.35	10	0.21	327	1	<0.01	2	440	9	0.11	<2	1	14
V329182		<10	<1	0.28	20	0.03	91	1	0.01	3	400	9	0.11	7	1	20
V329183		<10	<1	0.35	20	0.04	781	1	0.02	2	410	<2	0.02	<2	1	5
V329184		<10	<1	0.07	10	0.03	118	1	<0.01	3	90	4	0.02	<2	<1	3
V329185		<10	1	0.26	20	0.03	429	1	0.01	2	300	13	0.10	4	1	6
V329186		<10	<1	0.32	30	0.19	2120	4	<0.01	9	380	44	0.05	2	2	13
V329187		<10	<1	0.47	20	0.44	574	1	0.02	2	570	32	0.02	<2	1	12
V329188		<10	<1	0.22	20	0.15	1595	3	<0.01	8	220	39	0.13	5	2	16
V329189		<10	<1	0.41	30	0.35	762	1	0.01	5	380	10	0.04	<2	2	35
V329190		<10	<1	0.39	30	0.07	1295	2	0.01	9	190	19	0.02	<2	2	9
V329191		<10	<1	0.22	20	0.12	273	1	<0.01	3	220	93	0.06	6	1	14
V329192		<10	<1	0.35	20	0.43	885	1	0.01	4	580	15	0.02	<2	1	9
V329193		<10	<1	0.21	10	0.11	509	1	<0.01	4	210	447	0.80	9	1	12
V329194		<10	<1	0.34	20	0.41	1725	<1	0.01	3	500	9	0.01	<2	2	89
V329195		<10	<1	0.30	10	0.31	1340	1	0.01	4	480	52	0.02	<2	2	59
V329196		<10	<1	0.08	10	0.42	1130	<1	0.01	<1	120	3	0.01	<2	2	143
V329197		<10	<1	0.08	<10	0.17	953	1	<0.01	3	70	30	2.29	14	1	32
V329198		<10	<1	0.18	20	0.41	1625	1	0.01	1	260	7	<0.01	<2	2	153
V329199		<10	1	0.25	30	0.68	3380	1	0.02	7	510	61	0.03	<2	4	147
V329200		10	1	0.63	40	0.61	389	<1	0.11	3	570	11	<0.01	<2	3	71
V329201		10	<1	0.40	30	0.57	401	1	0.07	3	560	13	<0.01	<2	2	59
V329202		<10	1	0.04	10	0.03	1030	1	0.01	4	140	5	0.01	<2	1	39
V329203		<10	<1	0.04	20	0.04	1445	2	<0.01	3	130	19	0.01	<2	1	5
V329204		<10	<1	0.39	20	0.07	646	1	0.03	3	490	6	<0.01	<2	1	32

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 29-JUN-2017
Account: ZONMET

Project: McConnells Jest, Yukon

CERTIFICATE OF ANALYSIS WH17111408

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
V329165		<20	<0.01	<10	<10	4	<10	299
V329166		<20	<0.01	<10	<10	6	<10	6
V329167		20	<0.01	<10	10	3	<10	8
V329168		<20	<0.01	<10	<10	3	<10	34
V329169		<20	<0.01	<10	<10	4	<10	12
V329170		<20	<0.01	<10	<10	1	<10	2
V329171		<20	<0.01	<10	<10	3	<10	23
V329172		<20	<0.01	<10	<10	1	<10	39
V329173		<20	<0.01	<10	<10	3	<10	65
V329174		20	<0.01	<10	<10	4	<10	122
V329175		20	<0.01	<10	<10	5	<10	46
V329176		<20	<0.01	<10	<10	1	<10	20
V329177		<20	<0.01	<10	<10	1	<10	23
V329178		<20	<0.01	<10	<10	2	<10	108
V329179		20	0.04	<10	<10	10	<10	36
V329180		<20	<0.01	<10	<10	4	<10	9
V329181		<20	<0.01	<10	<10	3	<10	16
V329182		<20	<0.01	<10	<10	2	<10	7
V329183		20	<0.01	<10	<10	2	<10	8
V329184		<20	<0.01	<10	<10	2	60	9
V329185		<20	<0.01	<10	<10	2	<10	7
V329186		<20	<0.01	<10	<10	4	<10	29
V329187		20	0.01	<10	<10	6	<10	54
V329188		<20	<0.01	<10	<10	3	<10	26
V329189		20	<0.01	<10	<10	6	<10	29
V329190		<20	<0.01	<10	<10	3	<10	15
V329191		<20	<0.01	<10	<10	4	<10	14
V329192		<20	0.02	<10	<10	5	<10	44
V329193		<20	<0.01	<10	<10	2	<10	14
V329194		<20	<0.01	<10	<10	4	<10	44
V329195		<20	<0.01	<10	<10	2	<10	15
V329196		<20	<0.01	<10	<10	1	<10	10
V329197		<20	<0.01	<10	<10	1	<10	6
V329198		<20	<0.01	<10	<10	1	<10	15
V329199		20	<0.01	<10	<10	3	<10	423
V329200		20	0.15	<10	<10	19	<10	58
V329201		20	0.11	<10	<10	15	<10	57
V329202		<20	<0.01	<10	<10	2	<10	27
V329203		<20	<0.01	<10	<10	1	<10	115
V329204		20	<0.01	<10	<10	3	<10	52

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103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 29-JUN-2017
Account: ZONMET

Project: McConnells Jest, Yukon

CERTIFICATE OF ANALYSIS WH17111408

Sample Description	Method	WEI-21	Au-AA25	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
V329205		0.23	0.01	<0.2	0.36	265	<10	160	<0.5	<2	3.23	<0.5	3	4	7	2.35
V329207		0.41	1.76	0.3	0.72	1135	<10	120	<0.5	11	0.05	<0.5	9	9	568	16.60
V329208		0.21	<0.01	<0.2	1.26	15	<10	150	0.5	<2	0.31	<0.5	7	9	6	2.72
V329209		0.37	0.28	<0.2	0.52	126	<10	130	<0.5	7	0.05	<0.5	5	4	46	3.18
V329210		0.27	3.58	0.5	0.52	4940	<10	120	<0.5	68	0.04	<0.5	2	5	60	7.21
V329211		0.31	0.54	<0.2	0.54	157	<10	140	<0.5	13	0.09	<0.5	6	4	51	3.27
V329212		0.23	3.36	0.6	0.40	>10000	<10	250	<0.5	26	0.07	<0.5	18	3	55	8.79
V329213		0.32	0.03	0.4	0.25	264	<10	80	<0.5	<2	5.61	<0.5	12	3	3	5.13
V329214		0.22	0.03	<0.2	0.93	501	<10	190	<0.5	<2	3.06	<0.5	5	5	14	3.17
V329215		0.20	0.29	0.8	0.48	70	<10	180	<0.5	20	0.28	<0.5	5	5	15	2.94
V329216		0.18	0.42	<0.2	0.47	82	<10	100	<0.5	9	0.11	<0.5	14	6	57	6.79
V329217		0.55	5.44	2.0	0.44	>10000	<10	100	<0.5	361	0.06	<0.5	26	3	49	8.49
V329218		0.40	0.01	3.0	0.14	137	<10	130	<0.5	2	12.4	5.9	3	2	12	10.70
V329219		0.33	0.90	0.7	0.38	>10000	<10	100	<0.5	54	0.12	0.6	15	3	13	6.23
V329220		0.34	0.03	<0.2	0.09	80	60	20	<0.5	44	0.30	<0.5	1	4	46	1.35
V329221		0.17	<0.01	<0.2	1.95	207	<10	160	0.5	2	0.53	<0.5	7	13	12	2.77
V329222		0.18	0.05	0.2	0.30	67	<10	50	<0.5	96	0.12	<0.5	2	5	56	1.95
V329223		0.27	0.03	<0.2	0.75	40	<10	180	<0.5	4	1.22	<0.5	6	3	46	2.14
V329224		0.32	0.03	<0.2	0.40	25	<10	80	<0.5	<2	0.51	<0.5	3	6	6	1.03
V329225		0.36	0.07	<0.2	0.98	278	<10	200	0.5	<2	1.39	<0.5	5	5	8	2.11
V329226		0.23	8.00	0.7	0.68	>10000	<10	100	0.7	36	0.11	<0.5	40	8	75	10.15
V329227		0.16	0.13	0.2	0.78	713	<10	100	<0.5	6	0.12	<0.5	12	10	18	6.38
V329228		0.36	0.02	<0.2	1.00	201	<10	170	<0.5	<2	0.15	<0.5	4	7	3	2.16

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 29-JUN-2017
Account: ZONMET

Project: McConnells Jest, Yukon

CERTIFICATE OF ANALYSIS WH17111408

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
V329205		<10	<1	0.23	20	0.34	1525	1	0.02	2	370	9	0.01	<2	1	91
V329207		<10	<1	0.17	10	0.05	1060	2	0.01	9	220	15	0.12	2	3	6
V329208		10	<1	0.44	20	0.34	354	1	0.07	5	540	14	<0.01	<2	4	32
V329209		<10	1	0.32	20	0.07	573	1	0.01	3	290	9	<0.01	<2	1	5
V329210		<10	<1	0.25	20	0.06	177	4	0.01	2	290	96	0.07	6	1	15
V329211		<10	<1	0.35	30	0.04	615	1	<0.01	4	430	23	0.01	2	1	6
V329212		<10	<1	0.22	10	0.02	111	1	0.01	4	360	10	0.26	12	1	24
V329213		<10	<1	0.19	10	0.14	2380	<1	0.01	2	170	21	3.00	<2	1	544
V329214		<10	<1	0.40	20	0.36	1915	1	0.01	3	480	13	0.03	<2	2	176
V329215		<10	<1	0.28	30	0.06	1855	1	0.03	8	380	53	0.03	<2	2	25
V329216		<10	<1	0.14	10	0.06	2740	2	0.01	4	290	14	0.01	<2	2	11
V329217		<10	<1	0.33	10	0.07	314	<1	<0.01	3	390	280	2.03	31	1	14
V329218		<10	<1	0.10	10	1.02	11050	8	0.01	3	120	771	0.09	187	2	251
V329219		<10	<1	0.27	10	0.03	540	<1	<0.01	1	350	61	0.87	19	1	34
V329220		<10	<1	0.05	<10	0.02	263	5	<0.01	1	30	25	0.06	<2	<1	5
V329221		10	<1	0.36	30	0.59	395	1	0.15	8	490	17	0.01	<2	4	333
V329222		<10	<1	0.13	<10	0.07	116	47	0.02	2	100	38	0.02	<2	1	17
V329223		<10	<1	0.39	20	0.16	622	1	0.02	3	480	25	0.05	<2	1	88
V329224		<10	1	0.17	10	0.10	377	1	0.01	3	150	16	<0.01	<2	1	26
V329225		<10	<1	0.43	20	0.29	1050	1	0.01	6	610	3	0.01	2	1	79
V329226		<10	<1	0.19	20	0.06	848	2	0.01	8	400	34	0.21	9	2	19
V329227		<10	<1	0.17	10	0.07	2750	1	0.02	4	230	17	0.01	<2	2	10
V329228		<10	1	0.45	30	0.28	282	1	0.05	3	510	18	0.01	<2	2	14

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

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

To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 29-JUN-2017
Account: ZONMET

Project: McConnells Jest, Yukon

CERTIFICATE OF ANALYSIS WH17111408

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
V329205		<20	<0.01	<10	<10	2	<10	18
V329207		<20	<0.01	<10	<10	9	<10	38
V329208		<20	0.04	<10	<10	15	<10	49
V329209		<20	<0.01	<10	<10	4	<10	16
V329210		<20	0.01	<10	<10	9	<10	20
V329211		<20	<0.01	<10	<10	3	<10	28
V329212		<20	<0.01	<10	<10	2	<10	4
V329213		<20	<0.01	<10	<10	1	<10	20
V329214		<20	<0.01	<10	<10	4	<10	31
V329215		<20	<0.01	<10	<10	3	<10	39
V329216		<20	0.01	<10	<10	4	<10	16
V329217		<20	<0.01	<10	<10	2	<10	9
V329218		<20	<0.01	<10	<10	2	<10	787
V329219		<20	<0.01	<10	<10	2	<10	244
V329220		<20	<0.01	<10	<10	1	190	18
V329221		20	0.13	<10	<10	25	10	55
V329222		<20	0.03	<10	<10	4	920	10
V329223		<20	0.01	<10	<10	3	10	102
V329224		<20	<0.01	<10	<10	3	10	20
V329225		20	0.01	<10	<10	4	<10	96
V329226		<20	0.01	<10	<10	6	<10	47
V329227		<20	0.01	<10	<10	6	<10	16
V329228		20	0.04	<10	<10	12	<10	53

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 29-JUN-2017
Account: ZONMET

Project: McConnells Jest, Yukon

CERTIFICATE OF ANALYSIS WH17111408

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

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

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

Applies to Method:		
	Au-AA25	ME-ICP41

ALS Canada Ltd.

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 3-JUL-2017
Account: ZONMET

CERTIFICATE WH17111353

Project: MCCONNELLS JEST

This report is for 138 Rock samples submitted to our lab in Whitehorse, YT, Canada on 5-JUN-2017.

The following have access to data associated with this certificate:

TERRY CHRISTOPHER		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

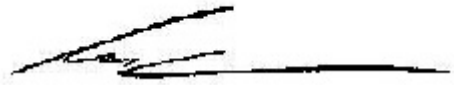
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA25	Ore Grade Au 30g FA AA finish	AAS

To: **ZONTE METALS**
ATTN: TERRY CHRISTOPHER
SUITE 279 - 103 - 27 LACEWOOD DRIVE
HALIFAX NS B3M 3Y7

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 3-JUL-2017
Account: ZONMET

Project: MCCONNELLS JEST

CERTIFICATE OF ANALYSIS WH17111353

Sample Description	Method	WEI-21	Au-AA25	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
S057321		0.31	0.06	<0.2	0.55	216	<10	300	<0.5	<2	0.35	<0.5	1	5	7	2.07
S057322		0.26	<0.01	<0.2	0.56	9	<10	110	<0.5	<2	1.33	<0.5	1	5	2	0.97
S057323		0.19	<0.01	<0.2	0.77	3	<10	170	<0.5	<2	1.71	<0.5	3	9	3	1.22
S057324		0.38	<0.01	<0.2	0.12	89	<10	70	<0.5	<2	2.03	<0.5	<1	6	1	1.32
S057325		0.48	<0.01	<0.2	0.38	16	<10	140	<0.5	<2	0.22	<0.5	<1	3	1	0.31
S057326		0.29	<0.01	<0.2	0.40	40	<10	100	<0.5	<2	0.92	<0.5	<1	5	1	0.83
S057327		0.51	<0.01	<0.2	0.44	20	<10	200	<0.5	<2	1.04	<0.5	<1	7	2	0.66
S057328		0.25	<0.01	<0.2	1.09	8	<10	140	0.6	<2	1.82	<0.5	6	10	1	2.27
S057329		0.50	0.82	<0.2	0.58	64	<10	160	<0.5	<2	3.04	<0.5	3	4	22	1.98
S057330		0.31	0.06	<0.2	1.05	356	<10	220	0.6	9	0.44	<0.5	5	6	26	2.17
S057331		0.26	0.06	<0.2	0.78	22	<10	250	<0.5	<2	0.14	<0.5	3	7	5	1.23
S057332		0.57	0.01	<0.2	0.60	88	<10	220	<0.5	<2	2.75	<0.5	2	4	6	0.84
S057333		0.55	<0.01	<0.2	0.68	13	<10	400	<0.5	<2	1.42	<0.5	1	5	1	0.64
S057334		0.54	<0.01	<0.2	0.58	30	<10	290	<0.5	<2	1.29	<0.5	1	4	3	1.17
S057335		0.68	0.09	<0.2	0.38	1105	<10	470	<0.5	<2	5.05	<0.5	11	2	23	1.24
S057336		0.42	0.01	<0.2	0.69	227	10	190	0.6	<2	0.12	<0.5	4	5	6	1.83
S057337		0.32	0.03	<0.2	0.85	30	<10	190	<0.5	<2	0.14	<0.5	2	6	4	1.85
S057338		0.41	2.66	1.6	0.43	3580	<10	170	<0.5	17	0.51	<0.5	1	4	10	1.51
S057339		0.75	11.00	13.8	0.18	>10000	<10	30	<0.5	63	0.22	<0.5	67	3	61	12.95
S057340		0.25	0.02	<0.2	0.78	503	<10	210	0.5	<2	0.54	<0.5	3	7	3	1.62
S057341		0.48	0.03	<0.2	0.52	748	<10	220	<0.5	2	0.82	<0.5	1	3	9	1.38
S057342		0.39	0.65	<0.2	0.19	2050	<10	50	<0.5	5	0.04	<0.5	2	10	80	3.97
S057343		0.44	0.01	<0.2	0.55	187	<10	160	<0.5	<2	0.10	<0.5	4	5	6	1.26
S057344		0.34	0.03	<0.2	0.48	1360	<10	170	<0.5	<2	1.81	<0.5	3	4	15	0.74
S057345		0.54	3.10	0.3	0.46	175	<10	170	<0.5	474	0.04	<0.5	<1	4	2	0.91
S057346		0.54	0.05	<0.2	0.46	162	<10	200	<0.5	10	1.25	<0.5	1	3	22	1.51
S057347		0.52	3.05	0.8	0.44	>10000	<10	170	<0.5	31	0.16	<0.5	11	3	53	3.23
S057348		0.44	0.05	<0.2	0.58	627	<10	200	<0.5	<2	1.98	<0.5	3	3	13	1.07
S057349		0.43	0.10	<0.2	0.57	267	<10	180	0.5	<2	0.08	<0.5	4	5	11	1.69
S057350		0.50	0.15	<0.2	0.41	2560	<10	150	<0.5	<2	0.07	<0.5	7	3	19	1.45
S057356		0.40	0.01	<0.2	0.51	251	<10	180	<0.5	<2	0.24	<0.5	3	4	10	1.12
S057357		0.38	0.02	<0.2	0.55	1105	<10	220	<0.5	<2	0.10	<0.5	5	4	22	1.53
S057358		0.36	0.32	<0.2	0.52	3120	<10	180	<0.5	2	0.15	<0.5	3	3	4	0.93
S057359		0.57	0.02	<0.2	0.43	412	<10	160	<0.5	<2	0.01	<0.5	1	4	2	0.65
S057360		0.60	<0.01	<0.2	0.54	102	<10	120	0.6	<2	0.97	<0.5	2	5	5	1.06
S057361		0.36	<0.01	<0.2	0.53	681	<10	230	0.5	<2	0.13	<0.5	2	3	31	1.29
S057362		0.48	0.02	<0.2	0.45	1005	<10	170	<0.5	2	1.70	<0.5	2	3	7	1.79
S057363		0.36	<0.01	<0.2	1.77	13	<10	250	<0.5	<2	0.45	<0.5	5	12	1	2.46
S057364		0.24	0.14	<0.2	0.49	539	<10	210	<0.5	<2	0.17	<0.5	3	5	11	2.31
S057365		0.55	0.01	<0.2	0.29	921	<10	190	<0.5	30	5.38	<0.5	2	4	3	4.22

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 3-JUL-2017
Account: ZONMET

Project: MCCONNELLS JEST

CERTIFICATE OF ANALYSIS WH17111353

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S057321		<10	<1	0.23	20	0.22	1900	1	0.03	14	340	6	0.03	<2	5	14
S057322		<10	<1	0.17	30	0.37	547	<1	0.05	4	490	4	<0.01	<2	2	52
S057323		<10	<1	0.15	20	0.35	268	<1	0.05	4	320	4	<0.01	<2	2	77
S057324		<10	<1	0.05	10	0.76	906	1	0.02	1	130	<2	<0.01	<2	5	39
S057325		<10	<1	0.20	20	0.02	286	<1	0.06	1	470	2	<0.01	<2	<1	9
S057326		<10	<1	0.18	10	0.27	444	1	0.03	3	300	2	<0.01	<2	2	32
S057327		<10	<1	0.28	10	0.04	607	1	0.01	2	380	3	<0.01	<2	1	36
S057328		10	<1	0.19	30	0.55	531	1	0.11	5	420	3	0.01	<2	6	144
S057329		<10	<1	0.34	10	0.32	884	1	0.03	2	460	3	0.13	<2	1	93
S057330		<10	<1	0.42	20	0.20	486	1	0.02	4	580	19	0.03	2	2	10
S057331		<10	<1	0.26	20	0.20	358	<1	0.05	2	380	4	0.01	<2	1	15
S057332		<10	<1	0.33	30	0.08	694	1	0.03	<1	430	4	<0.01	<2	1	69
S057333		<10	<1	0.08	40	0.22	140	<1	0.10	<1	550	4	<0.01	<2	2	115
S057334		<10	<1	0.35	20	0.07	858	1	0.02	2	530	3	<0.01	2	1	56
S057335		<10	<1	0.22	10	0.05	1045	1	0.01	5	320	3	0.11	<2	1	204
S057336		<10	<1	0.35	30	0.08	345	2	0.03	3	390	12	<0.01	<2	1	8
S057337		<10	<1	0.38	30	0.15	140	1	0.04	1	400	9	<0.01	<2	1	12
S057338		<10	<1	0.31	20	0.03	136	1	0.02	<1	190	29	0.06	5	<1	45
S057339		<10	<1	0.18	<10	0.01	133	3	0.01	17	120	51	5.40	74	<1	24
S057340		<10	<1	0.35	40	0.15	331	2	0.04	3	430	19	0.02	<2	1	32
S057341		<10	<1	0.37	20	0.03	893	1	0.02	2	420	4	0.05	2	1	41
S057342		<10	<1	0.07	10	0.02	181	2	0.02	2	50	4	0.15	3	<1	6
S057343		<10	<1	0.25	30	0.05	472	1	0.04	2	420	5	0.02	<2	1	8
S057344		<10	<1	0.31	20	0.04	424	1	0.01	2	410	2	0.07	<2	1	64
S057345		<10	<1	0.34	10	0.03	31	1	0.02	<1	50	56	0.09	12	<1	12
S057346		<10	<1	0.31	30	0.04	1040	1	0.02	2	320	7	0.02	3	1	97
S057347		<10	<1	0.32	20	0.02	345	1	<0.01	9	400	27	1.25	17	<1	11
S057348		<10	<1	0.36	30	0.05	593	<1	<0.01	3	430	12	0.04	<2	1	83
S057349		<10	<1	0.33	30	0.03	243	1	0.02	4	360	8	<0.01	<2	1	7
S057350		<10	<1	0.27	20	0.02	272	1	<0.01	5	340	4	0.05	<2	<1	4
S057356		<10	<1	0.29	30	0.04	828	1	0.02	4	450	5	0.02	<2	1	10
S057357		<10	<1	0.35	20	0.05	505	1	<0.01	4	340	2	0.05	<2	1	8
S057358		<10	<1	0.35	20	0.02	375	1	<0.01	3	310	2	0.01	2	1	17
S057359		<10	<1	0.32	10	0.02	47	1	<0.01	1	50	5	<0.01	<2	<1	4
S057360		<10	<1	0.26	30	0.09	345	1	0.02	2	260	4	<0.01	<2	1	41
S057361		<10	<1	0.35	20	0.03	660	1	<0.01	2	420	<2	<0.01	<2	1	6
S057362		<10	<1	0.34	20	0.03	1030	1	<0.01	3	290	21	0.09	<2	1	64
S057363		10	<1	0.75	40	0.65	427	1	0.11	2	590	12	<0.01	<2	3	52
S057364		<10	<1	0.32	30	0.04	1215	1	<0.01	5	340	27	<0.01	<2	1	13
S057365		<10	<1	0.19	40	1.90	3370	1	<0.01	2	290	59	<0.01	6	16	102

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 3-JUL-2017
Account: ZONMET

Project: MCCONNELLS JEST

CERTIFICATE OF ANALYSIS WH17111353

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S057321		<20	0.01	<10	<10	10	<10	21
S057322		20	<0.01	<10	<10	6	<10	11
S057323		<20	0.05	<10	<10	15	<10	18
S057324		<20	<0.01	<10	<10	2	<10	5
S057325		<20	<0.01	<10	<10	1	<10	4
S057326		<20	<0.01	<10	<10	5	<10	7
S057327		<20	<0.01	<10	<10	2	<10	5
S057328		<20	0.02	<10	<10	37	<10	36
S057329		<20	<0.01	<10	10	3	<10	7
S057330		20	<0.01	<10	<10	7	<10	15
S057331		<20	0.01	<10	<10	10	<10	11
S057332		<20	<0.01	<10	<10	2	<10	8
S057333		20	0.09	<10	<10	8	<10	7
S057334		20	<0.01	<10	<10	3	<10	7
S057335		<20	<0.01	<10	10	1	<10	5
S057336		<20	<0.01	<10	<10	3	<10	23
S057337		<20	0.01	<10	<10	7	<10	41
S057338		<20	<0.01	<10	<10	2	<10	10
S057339		<20	<0.01	<10	<10	1	<10	11
S057340		20	0.02	<10	<10	7	<10	56
S057341		<20	<0.01	<10	<10	2	<10	7
S057342		<20	<0.01	<10	<10	3	<10	9
S057343		<20	<0.01	<10	<10	4	<10	9
S057344		<20	<0.01	<10	<10	2	<10	4
S057345		<20	<0.01	<10	<10	2	<10	2
S057346		20	<0.01	<10	<10	2	<10	24
S057347		<20	<0.01	<10	<10	2	10	7
S057348		20	<0.01	<10	<10	2	<10	35
S057349		<20	<0.01	<10	<10	2	<10	34
S057350		<20	<0.01	<10	<10	2	<10	4
S057356		20	<0.01	<10	<10	2	<10	11
S057357		20	<0.01	<10	<10	3	<10	16
S057358		<20	<0.01	<10	<10	1	<10	2
S057359		<20	<0.01	<10	<10	1	<10	4
S057360		20	<0.01	<10	<10	4	<10	64
S057361		<20	<0.01	<10	<10	2	<10	12
S057362		<20	<0.01	<10	<10	1	<10	30
S057363		20	0.16	<10	<10	22	<10	61
S057364		<20	<0.01	<10	<10	3	<10	143
S057365		<20	<0.01	<10	<10	4	<10	34

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 3-JUL-2017
Account: ZONMET

Project: MCCONNELLS JEST

CERTIFICATE OF ANALYSIS WH17111353

Sample Description	Method	WEI-21	Au-AA25	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
S057366		0.49	0.15	<0.2	0.39	148	<10	110	<0.5	<2	0.10	<0.5	1	4	4	0.71
S057367		0.42	0.02	<0.2	0.52	655	<10	140	<0.5	<2	0.18	<0.5	22	4	5	0.95
S057368		0.35	0.46	0.5	0.39	3470	<10	140	<0.5	2	0.36	1.1	3	3	8	3.04
S057369		0.35	4.37	9.6	0.32	>10000	<10	140	<0.5	230	0.15	<0.5	17	3	13	3.41
S057370		0.37	0.01	<0.2	0.49	488	<10	160	<0.5	<2	1.75	<0.5	8	4	6	0.82
S057371		0.48	0.01	<0.2	0.40	483	<10	130	<0.5	<2	0.62	1.0	1	4	1	0.68
S057372		0.36	0.06	<0.2	0.51	1230	<10	150	0.5	2	0.33	<0.5	5	5	5	1.80
S057373		0.41	<0.01	<0.2	0.53	390	<10	180	<0.5	<2	0.08	<0.5	5	4	9	0.88
S057374		0.33	0.02	<0.2	0.53	24	<10	220	0.5	<2	0.37	<0.5	3	5	10	1.87
S057375		0.41	0.01	<0.2	0.22	1105	<10	90	<0.5	<2	0.04	<0.5	6	7	1	0.59
S057376		0.30	18.85	2.1	0.29	>10000	<10	10	<0.5	18	0.15	<0.5	510	2	6	21.0
S057377		0.40	10.60	1.3	0.21	>10000	<10	10	<0.5	17	0.02	1.7	154	3	4	17.95
S057378		0.28	1.26	<0.2	0.14	>10000	<10	70	<0.5	9	0.04	<0.5	59	6	7	3.17
S057379		0.41	0.17	<0.2	0.41	4300	<10	140	<0.5	<2	0.32	<0.5	3	3	12	1.03
S057380		0.32	0.02	<0.2	0.17	1285	<10	150	<0.5	<2	2.72	<0.5	2	5	13	2.55
S057381		0.41	0.02	<0.2	1.28	216	<10	260	<0.5	<2	1.87	<0.5	5	10	1	1.90
S057382		0.31	0.01	0.2	0.53	127	<10	150	0.5	<2	1.72	16.1	3	4	3	0.89
S057383		0.25	0.47	<0.2	0.53	>10000	<10	250	0.5	21	0.19	<0.5	7	4	74	3.11
S057384		0.23	0.21	<0.2	0.64	877	<10	150	<0.5	<2	2.37	<0.5	6	3	28	2.98
S057385		0.41	1.02	0.7	0.30	1010	<10	100	<0.5	29	0.10	<0.5	2	5	37	2.16
S057386		0.38	0.08	<0.2	0.55	1830	<10	150	<0.5	2	0.47	<0.5	2	3	29	1.79
S057387		0.25	0.01	<0.2	0.98	151	<10	190	<0.5	<2	0.44	<0.5	2	3	20	1.71
S057388		0.28	0.04	0.8	0.15	1640	<10	140	<0.5	<2	18.8	2.6	6	1	19	14.75
S057389		0.54	<0.01	0.6	0.45	54	10	120	<0.5	<2	1.96	6.0	4	3	6	1.46
S057390		0.40	0.03	<0.2	0.59	198	<10	180	<0.5	<2	0.23	<0.5	6	5	8	1.73
S057391		0.24	0.25	<0.2	0.89	120	<10	150	<0.5	3	3.82	<0.5	6	4	28	3.34
S057392		0.30	<0.01	<0.2	0.31	10	10	140	0.9	<2	11.7	<0.5	3	2	1	3.78
S057393		0.35	0.01	<0.2	0.48	8	<10	70	0.8	<2	3.00	1.5	5	3	2	2.19
S057394		0.50	1.58	<0.2	0.34	650	<10	130	<0.5	8	0.10	<0.5	3	3	94	3.20
S057395		0.37	0.01	<0.2	0.43	19	<10	150	<0.5	<2	0.13	<0.5	1	4	3	1.22
S057396		0.20	0.02	<0.2	0.22	19	<10	100	<0.5	<2	0.25	1.0	1	5	15	4.25
S057397		0.29	2.71	41.8	0.29	2670	<10	280	<0.5	82	8.2	9.2	14	3	112	5.86
S057398		0.25	0.81	0.3	0.48	1785	<10	240	<0.5	81	1.00	0.5	23	4	26	4.33
S057399		0.28	0.49	1.9	0.35	3140	<10	200	<0.5	9	1.01	3.2	27	3	33	2.34
S057400		0.22	<0.01	5.1	0.53	79	10	160	0.5	<2	0.16	11.3	7	4	7	2.39
V329101		0.30	<0.01	<0.2	0.47	59	<10	220	<0.5	<2	0.17	<0.5	2	3	6	1.19
V329102		0.28	<0.01	<0.2	0.58	688	<10	150	<0.5	<2	0.08	<0.5	5	4	1	0.99
V329103		0.40	0.10	<0.2	0.31	54	<10	150	<0.5	8	0.60	<0.5	4	6	14	1.19
V329104		0.25	11.90	0.3	0.60	804	<10	190	<0.5	36	0.41	<0.5	16	5	102	5.51
V329105		0.47	0.02	0.7	0.42	76	<10	170	<0.5	<2	0.12	1.1	3	3	6	1.44

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103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 3-JUL-2017
Account: ZONMET

Project: MCCONNELLS JEST

CERTIFICATE OF ANALYSIS WH17111353

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S057366		<10	<1	0.23	30	0.02	396	1	0.02	2	250	5	<0.01	<2	1	6
S057367		<10	<1	0.27	30	0.06	621	1	0.01	5	340	9	<0.01	<2	1	9
S057368		<10	<1	0.27	30	0.02	338	1	<0.01	2	330	14	0.16	2	1	24
S057369		<10	<1	0.23	20	0.02	120	1	<0.01	3	130	2380	0.13	158	1	48
S057370		<10	<1	0.30	30	0.03	710	1	<0.01	3	440	7	<0.01	<2	1	42
S057371		<10	<1	0.25	40	0.04	646	1	<0.01	1	380	15	<0.01	<2	1	25
S057372		<10	<1	0.29	30	0.02	762	1	<0.01	6	390	6	0.02	<2	1	20
S057373		<10	<1	0.32	30	0.02	655	1	<0.01	4	400	8	<0.01	<2	1	5
S057374		<10	<1	0.33	40	0.04	872	1	0.02	4	400	7	<0.01	<2	1	15
S057375		<10	<1	0.14	10	0.01	269	1	<0.01	1	100	5	<0.01	<2	<1	3
S057376		<10	<1	0.33	10	0.02	76	6	<0.01	149	150	126	9.34	81	<1	61
S057377		<10	1	0.14	<10	0.01	27	6	<0.01	42	110	145	7.79	98	<1	6
S057378		<10	<1	0.07	10	0.01	241	1	<0.01	29	60	17	0.99	11	<1	13
S057379		<10	<1	0.28	20	0.02	533	1	<0.01	2	360	14	0.11	<2	1	15
S057380		<10	<1	0.11	<10	0.39	1980	1	<0.01	1	100	<2	<0.01	<2	1	90
S057381		<10	<1	0.71	40	0.46	419	1	0.04	2	520	11	<0.01	<2	3	118
S057382		<10	<1	0.38	30	0.06	1205	1	<0.01	2	560	58	0.02	<2	1	58
S057383		<10	<1	0.46	10	0.03	229	1	<0.01	1	530	18	0.66	7	<1	36
S057384		<10	<1	0.39	20	0.15	1795	1	<0.01	2	520	3	0.02	<2	1	80
S057385		<10	<1	0.22	10	0.02	204	1	<0.01	1	160	59	0.09	<2	<1	10
S057386		<10	<1	0.38	20	0.05	563	1	<0.01	1	500	3	0.09	<2	1	11
S057387		<10	<1	0.46	20	0.24	426	1	<0.01	1	500	7	0.04	<2	1	26
S057388		<10	1	0.10	<10	1.42	11300	4	<0.01	1	30	39	0.02	7	18	588
S057389		<10	<1	0.31	20	0.06	1125	1	0.02	2	510	101	0.03	<2	1	58
S057390		<10	1	0.33	20	0.09	920	1	0.01	3	370	23	<0.01	<2	1	16
S057391		<10	<1	0.28	20	0.43	1580	1	<0.01	3	390	25	0.01	<2	1	207
S057392		<10	<1	0.19	20	2.25	1510	<1	<0.01	<1	250	15	<0.01	<2	1	1505
S057393		<10	1	0.19	30	0.45	449	1	0.01	2	510	72	0.01	<2	2	315
S057394		<10	1	0.26	20	0.02	220	1	<0.01	1	280	19	0.03	<2	<1	18
S057395		<10	<1	0.24	10	0.05	874	1	0.01	3	390	3	<0.01	<2	1	9
S057396		<10	<1	0.14	30	0.07	3160	3	<0.01	7	180	9	<0.01	<2	2	21
S057397		<10	<1	0.18	10	0.10	2510	2	<0.01	5	290	443	0.14	33	1	129
S057398		<10	<1	0.27	20	0.10	2840	1	<0.01	6	340	30	<0.01	<2	2	36
S057399		<10	<1	0.24	10	0.04	1180	1	<0.01	7	400	42	0.02	<2	1	51
S057400		<10	1	0.34	30	0.04	2200	2	0.01	5	520	779	0.01	67	1	8
V329101		<10	<1	0.30	10	0.05	907	1	<0.01	4	590	18	<0.01	<2	1	7
V329102		<10	<1	0.30	30	0.10	373	1	<0.01	3	370	9	<0.01	<2	1	5
V329103		<10	1	0.20	20	0.04	721	1	<0.01	4	250	16	<0.01	<2	1	21
V329104		<10	<1	0.30	30	0.12	1555	2	<0.01	8	390	17	0.01	<2	2	30
V329105		<10	<1	0.30	10	0.02	1135	1	<0.01	3	460	98	<0.01	<2	1	8

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 3-JUL-2017
Account: ZONMET

Project: MCCONNELLS JEST

CERTIFICATE OF ANALYSIS WH17111353

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S057366		<20	<0.01	<10	<10	2	<10	4
S057367		<20	<0.01	<10	<10	3	<10	33
S057368		<20	<0.01	<10	<10	1	<10	121
S057369		<20	<0.01	<10	<10	1	<10	14
S057370		20	<0.01	<10	<10	2	<10	23
S057371		<20	<0.01	<10	<10	1	<10	130
S057372		<20	<0.01	<10	<10	2	<10	9
S057373		20	<0.01	<10	<10	2	<10	11
S057374		20	<0.01	<10	<10	2	<10	12
S057375		<20	<0.01	<10	<10	1	<10	14
S057376		<20	<0.01	<10	<10	2	<10	19
S057377		<20	<0.01	<10	<10	2	<10	98
S057378		<20	<0.01	<10	<10	1	<10	6
S057379		<20	<0.01	<10	<10	1	<10	12
S057380		<20	<0.01	<10	<10	1	<10	13
S057381		20	0.08	<10	<10	15	<10	39
S057382		20	<0.01	<10	<10	2	<10	929
S057383		<20	<0.01	<10	<10	2	<10	9
S057384		<20	<0.01	<10	<10	2	<10	21
S057385		<20	<0.01	<10	<10	1	<10	13
S057386		<20	<0.01	<10	<10	1	<10	13
S057387		<20	<0.01	<10	<10	3	<10	74
S057388		<20	<0.01	<10	<10	2	<10	313
S057389		20	<0.01	<10	<10	2	<10	372
S057390		<20	0.01	<10	<10	4	<10	41
S057391		<20	<0.01	<10	<10	3	<10	30
S057392		<20	<0.01	<10	<10	2	<10	25
S057393		20	<0.01	<10	<10	5	<10	156
S057394		<20	<0.01	<10	<10	1	<10	150
S057395		<20	<0.01	<10	<10	2	<10	7
S057396		<20	<0.01	<10	<10	1	<10	201
S057397		<20	<0.01	<10	<10	3	<10	509
S057398		<20	<0.01	<10	<10	3	<10	26
S057399		<20	<0.01	<10	<10	2	<10	247
S057400		20	<0.01	<10	<10	3	<10	705
V329101		<20	<0.01	<10	<10	2	<10	27
V329102		<20	<0.01	<10	<10	3	<10	16
V329103		<20	<0.01	<10	<10	3	<10	102
V329104		<20	<0.01	<10	10	4	<10	45
V329105		20	<0.01	<10	<10	2	<10	48

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

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SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 3-JUL-2017
Account: ZONMET

Project: MCCONNELLS JEST

CERTIFICATE OF ANALYSIS WH17111353

Sample Description	Method	WEI-21	Au-AA25	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
V329106		0.43	0.02	0.4	0.61	30	<10	160	<0.5	<2	0.13	<0.5	3	4	15	1.71
V329107		0.26	0.02	4.9	0.45	1115	<10	170	<0.5	<2	0.12	11.3	12	4	46	4.56
V329108		0.58	0.01	<0.2	0.48	2020	<10	160	<0.5	<2	0.10	<0.5	14	3	49	2.55
V329109		0.43	0.01	<0.2	0.46	691	<10	230	<0.5	<2	0.11	0.9	4	3	2	1.12
V329110		0.50	<0.01	<0.2	0.10	26	<10	30	<0.5	<2	0.02	<0.5	1	5	2	0.43
V329111		0.44	0.09	<0.2	0.63	138	<10	170	0.5	<2	0.08	0.6	6	4	15	1.91
V329112		0.46	<0.01	<0.2	0.27	7	<10	90	<0.5	<2	0.98	<0.5	<1	5	1	0.74
V329113		0.38	<0.01	<0.2	0.22	19	<10	80	<0.5	<2	0.03	<0.5	1	6	1	0.55
V329114		0.38	<0.01	<0.2	1.73	6	<10	250	<0.5	<2	0.52	<0.5	5	11	1	2.33
V329115		0.37	<0.01	<0.2	1.60	5	<10	200	<0.5	<2	0.49	<0.5	5	10	1	2.23
V329116		0.42	0.06	0.2	0.43	194	<10	160	<0.5	<2	0.13	<0.5	5	4	19	1.14
V329117		0.30	<0.01	<0.2	0.38	61	<10	130	<0.5	<2	0.20	<0.5	2	4	13	0.81
V329118		0.30	<0.01	<0.2	0.45	189	<10	180	<0.5	<2	0.09	<0.5	3	4	1	0.94
V329119		0.39	0.01	0.2	0.31	28	<10	90	<0.5	<2	0.61	7.9	1	3	2	0.41
V329120		0.37	0.01	2.5	0.17	10	<10	80	<0.5	4	0.13	7.3	1	6	3	0.65
V329121		0.35	<0.01	<0.2	0.54	115	<10	190	0.5	<2	0.13	<0.5	3	5	10	1.50
V329122		0.42	<0.01	<0.2	0.56	16	<10	220	0.5	<2	0.12	0.5	2	4	2	1.25
V329123		0.26	0.02	<0.2	0.30	121	<10	120	<0.5	<2	0.30	<0.5	2	4	15	0.95
V329124		0.23	<0.01	<0.2	0.82	19	<10	90	<0.5	<2	0.11	<0.5	4	9	3	1.66
V329125		0.36	<0.01	<0.2	0.80	27	<10	170	0.5	<2	0.16	<0.5	5	5	4	1.84
V329126		0.27	0.04	<0.2	0.94	318	<10	270	0.5	<2	0.13	<0.5	3	5	3	1.65
V329127		0.27	0.09	<0.2	0.37	1345	<10	130	<0.5	<2	0.08	<0.5	5	5	17	2.44
V329128		0.50	16.35	2.0	0.22	>10000	<10	40	<0.5	7	0.02	<0.5	54	2	479	15.15
V329129		0.65	5.40	4.5	0.08	>10000	<10	10	<0.5	35	0.01	<0.5	75	2	205	17.05
V329130		0.31	0.17	<0.2	0.02	1920	<10	10	<0.5	<2	1.87	<0.5	1	5	7	0.59
V329131		0.43	<0.01	<0.2	0.29	132	<10	90	<0.5	<2	5.93	<0.5	1	2	1	2.47
V329132		0.32	<0.01	<0.2	0.31	151	<10	110	<0.5	<2	8.3	<0.5	1	2	1	1.72
V329133		0.30	<0.01	<0.2	0.11	140	<10	70	<0.5	<2	2.82	<0.5	1	5	<1	2.09
V329134		0.25	<0.01	<0.2	0.21	308	<10	110	<0.5	<2	6.43	<0.5	1	7	<1	3.69
V329135		0.28	<0.01	<0.2	0.17	632	<10	100	<0.5	<2	4.07	<0.5	1	4	<1	3.72
V329136		0.58	<0.01	<0.2	0.04	223	<10	30	<0.5	<2	1.19	<0.5	1	7	<1	0.68
V329137		0.37	<0.01	<0.2	1.77	29	<10	300	<0.5	<2	0.55	<0.5	6	12	<1	2.32
V329138		0.48	0.02	<0.2	0.52	61	<10	200	<0.5	<2	0.14	<0.5	5	6	6	1.42
V329139		0.45	0.13	<0.2	0.02	23	<10	10	<0.5	7	0.01	<0.5	2	7	27	0.94
V329140		0.29	<0.01	<0.2	0.21	169	<10	70	<0.5	<2	9.2	<0.5	16	3	2	5.22
V329141		0.32	<0.01	<0.2	0.33	93	<10	100	<0.5	<2	3.41	<0.5	11	3	2	1.86
V329142		0.37	0.09	0.5	0.03	3910	<10	10	<0.5	3	0.22	1.4	17	6	38	0.96
V329143		0.67	<0.01	<0.2	0.22	147	<10	60	<0.5	<2	1.57	<0.5	4	8	15	0.90
V329145		0.40	0.01	<0.2	0.58	228	<10	170	<0.5	<2	0.11	<0.5	4	5	3	1.63
V329146		0.47	1.38	<0.2	0.33	10000	<10	90	<0.5	13	0.17	<0.5	4	3	119	3.85

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 3-JUL-2017
Account: ZONMET

Project: MCCONNELLS JEST

CERTIFICATE OF ANALYSIS WH17111353

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
V329106		<10	<1	0.31	20	0.09	939	1	0.01	3	510	22	<0.01	<2	1	8
V329107		<10	<1	0.29	20	0.03	1390	2	<0.01	5	390	117	0.03	20	1	10
V329108		<10	1	0.29	10	0.03	711	1	<0.01	3	460	7	0.01	<2	1	8
V329109		<10	<1	0.32	20	0.02	757	1	<0.01	3	460	5	<0.01	<2	1	8
V329110		<10	<1	0.06	<10	0.01	167	1	<0.01	1	50	13	<0.01	<2	<1	1
V329111		<10	<1	0.38	20	0.06	1020	1	0.01	2	360	66	<0.01	<2	1	7
V329112		<10	<1	0.17	10	0.08	551	<1	0.01	<1	340	<2	<0.01	<2	1	28
V329113		<10	1	0.13	30	0.01	382	1	<0.01	3	110	8	<0.01	<2	<1	3
V329114		10	<1	0.74	40	0.60	377	<1	0.13	4	580	10	<0.01	<2	3	77
V329115		10	<1	0.59	40	0.61	366	<1	0.10	3	590	11	<0.01	<2	3	68
V329116		<10	<1	0.29	20	0.02	710	1	<0.01	5	340	32	<0.01	<2	1	10
V329117		<10	1	0.22	10	0.02	529	1	0.01	3	350	3	<0.01	<2	1	10
V329118		<10	1	0.26	10	0.02	962	<1	0.01	2	360	6	<0.01	<2	1	6
V329119		<10	1	0.15	30	0.01	476	<1	0.05	1	610	16	<0.01	<2	1	22
V329120		<10	<1	0.10	40	0.01	368	1	<0.01	3	140	170	0.04	<2	<1	7
V329121		<10	<1	0.30	10	0.05	917	1	0.02	5	410	6	<0.01	<2	1	8
V329122		<10	<1	0.33	20	0.03	956	<1	0.02	5	530	63	<0.01	<2	1	7
V329123		<10	<1	0.18	10	0.04	486	1	<0.01	2	180	11	<0.01	<2	1	9
V329124		<10	<1	0.22	10	0.18	289	1	0.04	6	360	16	0.01	2	1	10
V329125		<10	<1	0.32	40	0.12	635	1	0.03	6	640	8	0.01	<2	2	10
V329126		<10	<1	0.53	30	0.14	382	<1	0.05	4	370	4	0.01	2	1	13
V329127		<10	<1	0.23	20	0.05	1330	1	0.01	3	230	2	0.02	<2	1	5
V329128		<10	<1	0.12	<10	0.04	231	1	<0.01	7	100	28	4.66	44	1	9
V329129		<10	<1	0.07	10	<0.01	30	1	<0.01	13	90	267	6.75	85	<1	6
V329130		<10	<1	0.01	<10	0.02	192	<1	<0.01	1	10	3	0.09	<2	1	62
V329131		<10	<1	0.14	10	0.40	2390	3	0.04	1	620	<2	0.01	<2	2	84
V329132		<10	<1	0.14	10	0.18	1990	1	0.04	<1	650	<2	0.01	<2	2	126
V329133		<10	<1	0.05	<10	0.13	1345	1	0.01	1	140	<2	0.01	<2	2	39
V329134		<10	<1	0.10	<10	1.60	3810	2	0.01	1	30	3	<0.01	<2	3	152
V329135		<10	<1	0.13	30	0.57	3030	2	0.01	1	70	<2	0.01	<2	2	84
V329136		<10	<1	0.02	<10	0.05	537	1	<0.01	1	10	<2	0.01	<2	1	27
V329137		10	<1	0.80	40	0.63	310	<1	0.16	5	540	9	0.01	2	4	68
V329138		<10	<1	0.29	20	0.07	838	1	0.03	7	460	19	0.02	<2	1	7
V329139		<10	<1	0.01	<10	<0.01	43	2	<0.01	2	20	54	0.14	<2	<1	1
V329140		<10	<1	0.12	10	2.10	2600	1	0.02	1	260	11	0.01	<2	3	571
V329141		<10	<1	0.18	20	0.48	933	1	0.05	2	590	6	0.02	<2	1	170
V329142		<10	<1	0.02	<10	0.01	232	1	0.01	3	20	52	0.03	<2	<1	27
V329143		<10	<1	0.11	10	0.05	344	5	0.02	5	180	6	0.09	<2	1	50
V329145		<10	<1	0.30	20	0.07	615	1	0.03	3	470	2	0.01	<2	1	7
V329146		<10	<1	0.30	10	0.02	285	1	0.01	1	330	13	0.50	4	<1	16

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 3-JUL-2017
Account: ZONMET

Project: MCCONNELLS JEST

CERTIFICATE OF ANALYSIS WH17111353

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
V329106		20	<0.01	<10	<10	3	<10	61
V329107		<20	<0.01	<10	<10	2	<10	914
V329108		<20	<0.01	<10	<10	1	<10	19
V329109		20	<0.01	<10	<10	2	<10	49
V329110		<20	<0.01	<10	<10	<1	<10	27
V329111		20	<0.01	<10	<10	2	<10	295
V329112		<20	<0.01	<10	<10	1	<10	7
V329113		<20	<0.01	<10	<10	1	<10	14
V329114		20	0.16	<10	<10	21	<10	59
V329115		20	0.15	<10	<10	20	<10	58
V329116		<20	<0.01	<10	<10	2	<10	109
V329117		<20	<0.01	<10	<10	2	<10	5
V329118		<20	<0.01	<10	<10	3	<10	38
V329119		20	<0.01	<10	<10	1	<10	1400
V329120		<20	<0.01	<10	<10	1	<10	1600
V329121		<20	<0.01	<10	<10	4	<10	17
V329122		20	<0.01	<10	<10	3	<10	136
V329123		<20	<0.01	<10	<10	1	<10	18
V329124		<20	0.01	<10	<10	11	<10	32
V329125		20	0.01	<10	<10	6	<10	15
V329126		20	0.02	<10	<10	7	<10	16
V329127		<20	<0.01	<10	<10	2	<10	40
V329128		<20	<0.01	<10	<10	2	<10	6
V329129		<20	<0.01	<10	<10	2	<10	44
V329130		<20	<0.01	<10	<10	<1	<10	6
V329131		<20	<0.01	<10	<10	2	<10	11
V329132		20	<0.01	<10	<10	2	<10	9
V329133		<20	<0.01	<10	<10	1	<10	11
V329134		<20	<0.01	<10	<10	3	<10	23
V329135		<20	<0.01	<10	<10	1	<10	16
V329136		<20	<0.01	<10	<10	<1	<10	7
V329137		20	0.18	<10	<10	23	<10	44
V329138		<20	<0.01	<10	<10	3	<10	60
V329139		<20	<0.01	<10	<10	<1	<10	2
V329140		<20	<0.01	<10	<10	2	<10	30
V329141		<20	<0.01	<10	10	2	<10	30
V329142		<20	<0.01	<10	<10	<1	<10	375
V329143		<20	<0.01	<10	<10	1	<10	8
V329145		<20	<0.01	<10	<10	3	<10	10
V329146		<20	<0.01	<10	<10	1	<10	16

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 3-JUL-2017
Account: ZONMET

Project: MCCONNELLS JEST

CERTIFICATE OF ANALYSIS WH17111353

Sample Description	Method	WEI-21	Au-AA25	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
V329147		0.24	0.02	<0.2	0.43	65	<10	140	<0.5	<2	7.9	<0.5	1	3	<1	4.49
V329148		0.23	0.02	4.8	0.28	40	10	90	<0.5	<2	10.8	2.4	12	2	20	8.88
V329149		0.38	0.01	3.6	0.43	17	10	100	0.5	<2	2.54	15.4	4	5	1	1.42
V329150		0.36	5.88	1.4	0.26	>10000	<10	90	<0.5	33	5.26	<0.5	36	2	242	13.00
V329151		0.43	0.94	<0.2	0.44	438	<10	140	<0.5	18	1.48	0.8	2	3	72	3.59
V329152		0.44	0.04	0.4	0.11	504	<10	50	<0.5	2	4.28	1.3	1	4	31	2.44
V329153		0.41	<0.01	<0.2	0.54	30	<10	150	<0.5	<2	0.13	<0.5	3	3	6	1.81
V329154		0.36	0.27	<0.2	0.67	530	<10	170	<0.5	14	0.31	<0.5	4	4	33	2.17
V329155		0.29	0.01	<0.2	0.65	28	<10	200	<0.5	<2	0.16	<0.5	4	4	2	1.49
V329156		0.40	0.03	<0.2	0.77	336	<10	140	<0.5	5	0.31	<0.5	3	4	17	2.11
V329157		0.67	0.11	2.8	0.26	392	<10	100	<0.5	2	0.03	0.6	2	4	120	4.60
V329158		0.38	9.72	<0.2	0.24	421	<10	80	<0.5	9	0.05	<0.5	1	4	82	7.09
V329159		0.47	0.01	<0.2	0.53	64	<10	140	<0.5	<2	0.07	<0.5	3	5	1	1.06
V329160		0.39	1.67	0.9	0.35	>10000	<10	90	<0.5	5	0.02	<0.5	49	3	178	5.53
V329161		0.56	0.06	<0.2	0.64	353	<10	130	<0.5	5	0.08	<0.5	3	4	10	1.75
V329162		0.72	0.94	0.3	0.29	931	<10	90	<0.5	21	0.02	<0.5	3	4	45	2.90
V329163		0.26	0.01	<0.2	0.54	119	<10	200	<0.5	<2	0.10	<0.5	5	5	5	1.43
V329164		0.46	<0.01	<0.2	1.75	26	<10	270	<0.5	<2	0.54	<0.5	4	10	2	2.19

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HALIFAX NS B3M 3Y7

Finalized Date: 3-JUL-2017
Account: ZONMET

Project: MCCONNELLS JEST

CERTIFICATE OF ANALYSIS WH17111353

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
V329147		<10	<1	0.32	10	0.78	4680	1	0.01	<1	370	7	0.02	<2	2	221
V329148		<10	<1	0.20	10	0.82	10850	2	0.02	3	260	35	0.41	9	1	263
V329149		<10	<1	0.32	20	0.09	916	1	0.02	1	540	296	0.10	3	1	104
V329150		<10	<1	0.21	10	0.23	3770	1	0.01	<1	510	50	1.09	14	3	166
V329151		<10	<1	0.32	10	0.17	771	1	0.02	1	500	25	0.45	4	1	68
V329152		<10	<1	0.08	<10	0.53	1540	1	0.01	<1	100	86	0.05	<2	1	119
V329153		<10	<1	0.31	30	0.06	623	<1	0.02	3	490	3	0.01	2	1	7
V329154		<10	<1	0.35	20	0.17	566	1	0.01	3	500	14	0.03	<2	1	9
V329155		<10	<1	0.36	30	0.09	587	1	0.03	3	540	7	0.01	<2	1	10
V329156		<10	<1	0.34	30	0.18	695	1	0.02	3	500	10	0.02	<2	1	18
V329157		<10	<1	0.17	10	0.02	503	1	0.01	2	200	10	0.03	2	1	4
V329158		<10	<1	0.16	20	0.02	207	1	0.01	1	150	25	0.04	<2	1	6
V329159		<10	<1	0.24	80	0.10	430	1	0.03	4	330	6	0.01	<2	1	7
V329160		<10	<1	0.26	30	0.01	37	1	0.01	80	380	54	2.07	21	<1	15
V329161		<10	<1	0.30	20	0.13	338	<1	0.03	1	300	14	0.03	<2	1	8
V329162		<10	<1	0.19	10	0.02	250	1	0.01	2	120	33	0.04	<2	<1	6
V329163		<10	<1	0.32	20	0.04	1285	1	0.02	3	450	11	0.02	<2	1	6
V329164		10	<1	0.81	30	0.56	376	<1	0.17	3	550	11	0.02	<2	3	73

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

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

To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 3-JUL-2017
Account: ZONMET

Project: MCCONNELLS JEST

CERTIFICATE OF ANALYSIS WH17111353

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
V329147		<20	<0.01	<10	<10	2	<10	47
V329148		<20	<0.01	<10	<10	2	<10	411
V329149		20	<0.01	<10	<10	2	<10	886
V329150		<20	<0.01	<10	<10	2	<10	23
V329151		<20	<0.01	<10	10	2	<10	176
V329152		<20	<0.01	<10	<10	1	<10	159
V329153		20	<0.01	<10	<10	2	<10	10
V329154		<20	<0.01	<10	<10	3	<10	26
V329155		<20	<0.01	<10	<10	4	<10	24
V329156		20	<0.01	<10	<10	4	<10	19
V329157		<20	<0.01	<10	<10	1	<10	226
V329158		<20	<0.01	<10	<10	1	<10	12
V329159		20	0.01	<10	<10	4	<10	54
V329160		<20	<0.01	<10	<10	1	<10	5
V329161		<20	0.02	<10	<10	5	<10	22
V329162		<20	<0.01	<10	<10	1	<10	21
V329163		<20	<0.01	<10	<10	4	<10	27
V329164		20	0.16	<10	<10	21	<10	55

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 3-JUL-2017
Account: ZONMET

Project: MCCONNELLS JEST

CERTIFICATE OF ANALYSIS WH17111353

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

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

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

Applies to Method:		
	Au-AA25	ME-ICP41

ALS Canada Ltd.
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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 28-MAY-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17094692

Sample Description	Method	WEI-21	Au-AA25	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
S057440		0.34	0.57	<0.2	0.16	4310	<10	130	<0.5	7	0.04	<0.5	2	10	5	1.64
S057449		0.44	10.70	1.4	0.07	>10000	<10	30	<0.5	10	0.08	1.3	58	2	18	16.35
S057454		0.39	<0.01	<0.2	0.56	329	<10	130	<0.5	<2	0.89	<0.5	2	13	2	1.01
S057455		0.71	4.64	0.5	0.13	>10000	<10	30	<0.5	29	0.04	<0.5	17	2	94	14.90
S057456		0.39	0.01	<0.2	0.70	1230	<10	240	0.5	<2	0.40	<0.5	7	5	31	2.06
S057457		0.48	20.6	0.3	0.40	5100	<10	150	<0.5	352	0.04	<0.5	1	6	7	2.20
S057458		0.27	8.72	0.6	0.41	>10000	<10	100	<0.5	443	0.15	<0.5	15	4	92	5.43
S057459		0.31	12.10	0.8	0.36	>10000	<10	120	<0.5	21	0.10	<0.5	13	5	85	4.80
S057460		0.29	6.20	0.3	0.19	>10000	<10	140	<0.5	42	0.08	<0.5	3	5	116	7.75
S057461		0.32	8.04	0.7	0.41	1245	<10	230	<0.5	10	0.10	<0.5	1	4	158	5.42
S057462		0.55	19.20	0.8	0.07	>10000	<10	20	<0.5	58	0.04	<0.5	24	4	4	12.60
S057463		0.52	1.32	0.2	0.31	>10000	<10	20	<0.5	2	0.02	<0.5	126	3	87	10.90
S057464		0.24	8.56	0.5	0.39	8150	<10	190	<0.5	30	0.04	<0.5	2	5	25	2.04
S057465		0.35	7.47	0.2	0.43	2070	<10	180	<0.5	18	0.06	<0.5	1	4	70	3.53
S057466		0.27	9.93	1.1	0.28	5110	<10	160	<0.5	513	0.11	<0.5	1	7	94	9.05
S057467		0.27	1.25	<0.2	0.66	432	<10	260	0.6	2	0.28	<0.5	3	5	45	1.96
S057468		0.30	18.45	0.9	0.26	>10000	<10	740	0.5	123	0.37	<0.5	6	8	71	7.37
S057469		0.63	2.81	0.2	0.36	>10000	<10	160	<0.5	7	0.47	<0.5	3	5	10	2.50
S057470		0.58	0.07	<0.2	0.36	1230	<10	160	<0.5	2	1.24	<0.5	3	5	13	0.89
S057471		0.27	11.20	0.3	0.44	390	<10	190	<0.5	99	0.03	<0.5	<1	5	3	1.24
S057472		0.22	0.06	<0.2	0.73	159	<10	220	<0.5	<2	0.14	<0.5	3	7	11	1.87
S057473		0.27	4.89	<0.2	0.14	>10000	<10	130	<0.5	261	0.02	<0.5	5	7	9	2.79
S057474		0.45	1.29	0.7	0.44	>10000	<10	210	<0.5	90	0.05	<0.5	6	5	11	3.59
S057475		0.39	1.16	0.7	0.39	>10000	<10	130	<0.5	720	0.31	<0.5	14	6	50	3.89
S057476		0.58	0.11	0.8	0.57	445	<10	190	<0.5	102	0.24	<0.5	1	6	24	2.02
S057477		0.22	3.99	0.2	0.20	>10000	<10	20	<0.5	6	0.10	<0.5	249	2	6	17.45
S057478		0.17	0.06	<0.2	0.27	1220	<10	120	<0.5	<2	1.08	<0.5	4	8	25	1.78
S057479		0.22	0.03	<0.2	0.25	703	<10	140	<0.5	<2	3.06	<0.5	2	5	3	0.64
S057480		0.23	<0.01	<0.2	0.24	33	<10	110	<0.5	<2	0.22	<0.5	1	9	1	0.60
S057481		0.65	0.04	<0.2	0.35	5280	<10	170	<0.5	<2	0.05	<0.5	2	3	3	1.60
S057482		0.32	2.01	0.2	0.18	>10000	<10	190	<0.5	4	1.21	<0.5	26	3	54	11.35
S057483		0.22	0.05	<0.2	0.43	781	<10	220	<0.5	<2	0.94	<0.5	2	5	59	1.82
S057484		0.19	0.63	<0.2	0.10	262	<10	30	<0.5	57	0.05	<0.5	2	9	42	1.58
S057485		0.61	0.15	0.3	0.36	1895	<10	140	<0.5	18	0.03	<0.5	2	7	4	0.98
S057486		0.23	0.04	<0.2	0.23	529	<10	80	<0.5	<2	0.02	<0.5	2	5	8	1.77
S057487		0.61	4.36	0.3	0.11	>10000	<10	10	<0.5	5	0.01	<0.5	188	3	8	23.2
S057488		0.25	0.46	1.6	0.25	2050	<10	110	<0.5	70	0.02	<0.5	1	5	8	0.85
S057489		0.36	<0.01	<0.2	0.16	563	<10	30	<0.5	<2	0.01	<0.5	3	7	3	1.00
S057490		0.35	0.01	<0.2	0.31	142	<10	190	<0.5	<2	1.19	<0.5	1	5	2	0.54
S057491		0.38	<0.01	<0.2	0.34	253	<10	170	<0.5	<2	0.39	<0.5	1	4	7	0.83

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 28-MAY-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17094692

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S057440		<10	<1	0.11	10	0.02	54	1	0.02	3	50	11	0.21	5	<1	11
S057449		<10	1	0.06	<10	0.01	30	3	0.01	15	40	24	6.38	94	<1	21
S057454		<10	<1	0.14	20	0.27	198	<1	0.05	2	220	5	0.01	3	2	45
S057455		<10	<1	0.14	<10	0.01	19	2	0.02	<1	250	8	3.35	57	<1	12
S057456		<10	<1	0.35	40	0.11	470	1	0.03	4	410	4	0.02	2	1	21
S057457		<10	<1	0.31	10	0.02	174	1	0.02	1	80	22	0.11	29	1	6
S057458		<10	<1	0.34	10	0.02	173	1	0.02	6	260	131	1.60	19	<1	23
S057459		<10	<1	0.29	10	0.02	103	1	0.02	3	190	15	1.25	12	<1	22
S057460		<10	<1	0.17	10	0.02	122	1	0.02	1	160	18	0.39	9	<1	26
S057461		<10	<1	0.33	10	0.02	402	1	0.02	1	280	3	0.24	<2	1	13
S057462		<10	1	0.08	10	0.01	40	1	0.01	4	60	13	4.07	74	<1	6
S057463		<10	<1	0.25	<10	0.01	26	2	0.02	28	200	3	5.07	33	<1	7
S057464		<10	<1	0.28	20	0.02	58	1	0.02	3	80	3	0.13	5	1	12
S057465		<10	<1	0.31	20	0.02	152	1	0.02	1	230	12	0.04	3	1	20
S057466		<10	1	0.14	30	0.02	580	4	0.02	7	190	145	0.08	42	1	22
S057467		<10	<1	0.40	30	0.04	560	1	0.03	8	390	8	0.02	2	2	14
S057468		<10	1	0.09	30	0.02	167	2	0.02	4	250	27	0.15	17	3	62
S057469		<10	1	0.26	10	0.02	585	1	0.02	1	160	2	0.41	7	1	15
S057470		<10	<1	0.24	20	0.04	443	1	0.02	2	370	2	0.04	3	1	41
S057471		<10	<1	0.32	<10	0.02	100	<1	0.02	1	70	39	0.04	13	<1	7
S057472		<10	<1	0.33	30	0.11	413	<1	0.04	3	480	5	0.01	<2	1	11
S057473		<10	<1	0.10	10	0.01	62	<1	0.01	1	60	11	0.74	19	<1	6
S057474		<10	<1	0.34	10	0.02	249	<1	0.02	3	350	86	0.86	26	<1	15
S057475		<10	<1	0.28	10	0.02	344	1	0.02	3	290	121	1.64	31	1	19
S057476		<10	<1	0.32	30	0.06	455	1	0.03	3	390	56	0.05	3	1	14
S057477		<10	1	0.13	<10	0.02	68	4	0.02	18	150	3	6.97	59	<1	12
S057478		<10	<1	0.16	10	0.04	278	<1	0.02	3	140	<2	0.02	<2	<1	34
S057479		<10	<1	0.18	10	0.05	511	<1	0.02	1	230	<2	0.01	2	<1	86
S057480		<10	<1	0.05	<10	0.15	122	<1	0.04	2	80	<2	<0.01	2	1	14
S057481		<10	<1	0.28	20	0.02	68	1	0.02	1	140	<2	0.16	5	<1	10
S057482		<10	1	0.07	10	0.09	143	1	0.01	2	300	8	0.11	12	1	200
S057483		<10	<1	0.28	20	0.06	381	<1	0.02	5	280	2	0.02	2	1	19
S057484		<10	<1	0.03	<10	0.01	253	<1	0.01	2	30	3	0.01	2	<1	3
S057485		<10	<1	0.26	20	0.01	115	1	0.02	1	100	4	0.04	4	<1	9
S057486		<10	<1	0.15	440	0.01	157	1	0.01	9	470	3	0.06	<2	<1	12
S057487		<10	1	0.10	<10	0.01	12	6	0.02	95	110	3	>10.0	82	<1	6
S057488		<10	<1	0.20	20	0.01	47	1	0.02	3	80	17	0.07	5	<1	10
S057489		<10	<1	0.01	<10	0.09	215	<1	0.01	3	30	<2	0.02	2	2	1
S057490		<10	<1	0.24	10	0.03	643	<1	0.01	1	270	<2	0.01	<2	1	36
S057491		<10	<1	0.22	10	0.03	582	1	0.03	2	280	2	0.01	<2	1	14

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

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 28-MAY-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17094692

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S057440		<20	<0.01	<10	<10	1	<10	5
S057449		<20	<0.01	<10	<10	1	<10	179
S057454		<20	0.03	<10	<10	12	<10	14
S057455		<20	<0.01	<10	<10	1	<10	6
S057456		20	0.01	<10	<10	5	<10	49
S057457		<20	<0.01	<10	<10	2	<10	10
S057458		<20	<0.01	<10	<10	1	<10	5
S057459		<20	<0.01	<10	<10	1	<10	5
S057460		<20	<0.01	<10	<10	1	<10	3
S057461		<20	<0.01	<10	<10	1	<10	4
S057462		<20	<0.01	<10	<10	1	<10	2
S057463		<20	<0.01	<10	<10	1	<10	<2
S057464		<20	<0.01	<10	<10	2	<10	4
S057465		20	<0.01	<10	<10	2	<10	5
S057466		<20	<0.01	<10	10	3	10	8
S057467		<20	<0.01	<10	<10	4	<10	7
S057468		<20	<0.01	<10	10	2	<10	3
S057469		<20	<0.01	<10	<10	1	<10	7
S057470		<20	<0.01	<10	<10	1	<10	2
S057471		<20	<0.01	<10	<10	2	<10	9
S057472		20	0.01	<10	<10	8	<10	20
S057473		<20	<0.01	<10	<10	1	<10	2
S057474		<20	<0.01	<10	<10	1	<10	7
S057475		<20	<0.01	<10	<10	1	10	13
S057476		<20	<0.01	<10	<10	3	<10	6
S057477		<20	<0.01	<10	<10	3	<10	3
S057478		<20	<0.01	<10	<10	2	40	4
S057479		<20	<0.01	<10	<10	1	<10	3
S057480		<20	0.06	<10	<10	10	<10	8
S057481		<20	<0.01	<10	<10	1	20	6
S057482		<20	<0.01	<10	20	2	<10	4
S057483		<20	<0.01	<10	<10	3	<10	6
S057484		<20	<0.01	<10	<10	2	<10	5
S057485		<20	<0.01	<10	<10	1	<10	4
S057486		20	<0.01	<10	<10	4	<10	7
S057487		<20	<0.01	<10	<10	2	<10	<2
S057488		<20	<0.01	<10	<10	2	<10	4
S057489		<20	<0.01	<10	<10	10	<10	7
S057490		<20	<0.01	<10	<10	2	<10	5
S057491		<20	<0.01	<10	<10	2	<10	8

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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 28-MAY-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17094692

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA25 Au ppm 0.01	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
S057492		0.28	<0.01	<0.2	0.60	49	<10	110	<0.5	<2	2.19	<0.5	1	7	5	1.06
S057493		0.49	<0.01	<0.2	0.42	47	<10	80	<0.5	<2	2.03	<0.5	1	6	1	0.52
S057494		0.45	0.02	<0.2	0.37	517	<10	190	<0.5	<2	2.00	<0.5	2	3	20	1.04
S057303		0.55	6.11	0.4	0.12	>10000	<10	40	<0.5	438	0.03	<0.5	14	4	163	10.10
S057304		0.46	4.67	0.3	0.19	>10000	<10	70	<0.5	32	0.10	<0.5	11	3	19	6.44
S057306		0.42	4.90	0.3	0.09	>10000	<10	10	<0.5	17	0.08	<0.5	141	1	70	25.9
S057308		0.70	11.05	9.2	0.10	>10000	<10	30	<0.5	1205	0.01	<0.5	17	1	47	18.60
S057309		0.45	0.23	<0.2	0.34	3880	<10	130	<0.5	3	0.06	<0.5	1	4	11	0.94
S057320		0.37	7.28	3.3	0.10	>10000	<10	30	<0.5	524	0.04	<0.5	104	2	46	16.65
S057316		0.54	11.90	1.2	0.05	>10000	<10	20	<0.5	48	0.03	<0.5	108	1	32	26.3
S057317		0.29	0.27	<0.2	0.20	>10000	<10	100	<0.5	11	0.06	<0.5	2	2	3	3.08
S057319		0.45	20.1	3.2	0.03	>10000	<10	20	<0.5	188	<0.01	<0.5	93	1	10	24.7
S057351		0.58	0.02	<0.2	0.94	1525	<10	50	<0.5	<2	0.81	<0.5	7	28	2	1.66

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

ALS Canada Ltd.
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To: **ZONTE METALS**
103 - 287 LACEWOOD DRIVE
SUITE 279
HALIFAX NS B3M 3Y7

Finalized Date: 28-MAY-2017
Account: ZONMET

Project: McConnells Jest

CERTIFICATE OF ANALYSIS WH17094692

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S057492		<10	<1	0.16	30	0.38	433	<1	0.05	3	390	7	0.02	<2	3	84
S057493		<10	<1	0.09	40	0.33	195	2	0.08	2	410	4	0.01	<2	2	82
S057494		<10	<1	0.28	20	0.05	706	1	0.02	3	410	<2	0.02	<2	1	71
S057303		<10	1	0.17	<10	0.01	55	1	0.01	4	100	31	4.19	60	<1	11
S057304		<10	<1	0.17	<10	0.01	115	1	0.01	2	180	28	2.02	38	<1	11
S057306		<10	2	0.26	<10	0.01	<5	5	0.02	17	100	18	>10.0	85	<1	16
S057308		<10	1	0.14	<10	0.01	<5	2	0.01	3	290	558	5.84	199	<1	14
S057309		<10	<1	0.26	10	0.02	32	<1	0.02	1	60	2	0.09	5	<1	10
S057320		<10	1	0.12	<10	0.01	19	1	0.02	80	100	282	7.42	132	<1	15
S057316		<10	1	0.18	<10	0.01	<5	5	0.02	38	160	28	9.37	111	<1	13
S057317		<10	<1	0.22	<10	0.02	19	1	0.01	1	150	16	0.25	8	<1	10
S057319		<10	2	0.05	<10	<0.01	<5	3	0.01	109	130	199	9.06	156	<1	3
S057351		10	<1	0.10	10	0.73	348	<1	0.06	16	470	5	0.04	<2	2	47

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

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S057492		<20	0.02	<10	<10	11	10	12
S057493		20	0.02	<10	10	6	550	7
S057494		20	<0.01	<10	<10	1	<10	2
S057303		<20	<0.01	<10	<10	<1	<10	<2
S057304		<20	<0.01	<10	<10	<1	<10	6
S057306		<20	<0.01	<10	<10	2	<10	2
S057308		<20	<0.01	<10	<10	1	<10	7
S057309		<20	<0.01	<10	<10	1	<10	8
S057320		<20	<0.01	<10	<10	1	<10	37
S057316		<20	<0.01	<10	<10	2	<10	10
S057317		<20	<0.01	<10	<10	1	<10	3
S057319		<20	<0.01	<10	<10	2	<10	<2
S057351		<20	0.01	<10	<10	17	<10	38

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

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CERTIFICATE OF ANALYSIS WH17094692

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

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

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

Applies to Method:	
Au-AA25	ME-ICP41

Appendix 7: Core logs

Zonte Metals 2017 McConnells Jest				Drill Hole #: MJ17-01						Zone of Deposit: Hill Target						Orientation: 335° 55° Dip						UTM (Projected Coordinate System; NAD83, Zone 8N): 479920 7099185										Date: July 15, 2017			
Intervals		Fracture Intensity		Alterations (0-5)							Veins								Selvages					Sulfides					Oxides & Tungstates			
From	To	Fract Angle	Fract. Intensity	Oxide (ox)	Sericite (ser)	Chlorite (chl)	Clay (arg)	Carb (carb)	Silicification (Si)	# of Veins	#/interval(Major)	Type_major	Max_cm	Total(Major) cm	#/interval(Minor)	Type_Minor	Max. (cm)	Total(Minor) cm	Vein Angle	Selvage Contact	Max (cm)	Alteration	(0-5)	Ox. State 0-5	Pyrite	Pyrrhotite	Arsenopyrite	Other Sulfide	Total Sulfide %	Limonite (Goethite, Hematite,...)	Scheelite (Wolframite,...)	Other Oxide (Gessan, Scorodite,...)	
0.00	6.10	50	2	1	0	1	0	0	0	1	1	2	0.1	0.1	-	-	-	-	40	S	0.1	K	1	0	-	-	-	-	-	-	-	-	Fresh to moderately oxidized granodiorite. Minor alignmment of biotite @90° to the core axis. Oxides and carbonate on fracture surfaces.
6.10	13.67	50	3	2	0	1	0	0	0	29	3 per m	5	1.5	5.9	1 per m	2	0.4	1.7	Major - 30, Minor - 45	U	5.0	Chl	5	1	-	y	-	y	0.1	-	-	-	Fresh medium to coarse grained granodiorite. Quartz-chlorite veins dominate the interval. Pyrrhotite and minor associated chalcopyrite is found in the chlorite blebs which are altering biotite grains. Low angle oxidized carbonate veins are present cross-cutting all other textures. Fracture surfaces are typically oxidized carbonates. Quartz-K-Spar veins do not carry any sulfides. Photo 1, July 15th: Pyrrhotite textures @ 8.66m
13.67	14.87	80	1	0	1	3	0	0	0	5	3 per m	6/5	1.6	3.0	2 per m	oxidized carbontate	0.1	0.2	45	G	10.0	Chl	4	1	y	y	y	-	2.0	-	-	-	Fresh to mildly sericite altered granodiorite (medium grained). Pyrite, Arsenopyrite, Pyrrhotite vein @13.83m is the most significant mineralisation in the interval. Pyrite and Arsenopyrite appear to be overprinting earlier Pyrrhotite which is associated with chlorite. Black sulfide mineral (sulfosalts?) present in quartz vein @ 14.02m. Sulfides are generally filling along quartz vein margins or along cracks within them. Alteration selvedges are more pervasive than previously seen and account for around half of the interval. Some disseminated pyrite and arsenopyrite in alteration selvedges.
14.87	19.02	30	2	2	0	1	1	0	0	10	2 per m	6/5	3.0	8.6	0.5 per m	oxides	0.1	0.2	Major - 50 to 70, Minor - 60 to 90.	G	15.0	Chl, Musc	5	3	y	-	y	-	3.0	-	-	-	Fresh, medium grained granodiorite veined with quartz veins which have been variably over-printed by sulfide mineralization (Arsenopyrite and Pyrite). Veins are typically dominated either by Arsenopyrite with minor Pyrite or Pyrite with minor Arsenopyrite. Proximal vein selvedges are much more strongly oxidized and contain large portions of muscovite. Outer selvedges are dominated by chlorite and are much more pervasive. Minor quartz veining is present aligned with the core axis. These minor quartz veins are cross-cut and displaced by later quartz veins over-printed with sulfides. Carbonate crack-seal veins crosscut all other textures.
19.02	20.12	70	1	0	0	1	0	0	1	4	4 per m	5	0.2	0.5	-	-	-	-	75	S	1.0	Chl	3	0	-	-	-	-	-	-	-	-	Fresh to moderately chlorite altered granodiorite. Very competent core. Some oxides on fracture surfaces. No sulfide mineralisation present in the interval.
20.12	22.33	20	2	1	1	2	0	0	0	19	7.5/m	6	0.1	1.5	2 per m	5	0.4	0.7	20	G	5.0	Chl	4	2	y	y	y	-	0.5	-	-	-	Zone of intense micro-fracture veins bearing sulfides (Pyrrhotite, Arsenopyrite and Pyrite) within mildly sericitized medium grained granodiorite. Low angle veins and fractures are oxidized near fracture planes and show more pervasive chlorite mineralization extending out into the granodiorite. Muscovite is associated with oxidized areas. Oxidized veins cross-cut more siliceous veins. Almost all veins contain sulfides or have sulfide blooms eminating from them.
22.33	26.09	-	0	0	1	0	0	0	0	1	0.25 per m	2	0.6	0.6	-	-	-	-	60	S	1.1	K, Chl	2	0	-	-	-	-	-	-	-	-	Fresh to mildly sericite altered granodiorite. Minor alignment of biotite perpendicular to the core axis. Quartz-K-Spar vein pinches slightly. Vein density here is very low and alteration on vein does not suggest Au associated fluid.
26.09	26.55	30	2	3	0	2	0	2	0	5	5 per m	1	0.4	0.8	2 per m	3	0.6	0.6	Major - 60, Minor - 40.	S	3.5	Ox, Chl	3	4	-	-	-	-	-	-	-	-	Oxidized granodiorite with chlorite alteration. Entire interval shows pervasive oxidation. Quartz lens/veinlet @26.35m has cleavage-like banding (xenolith of quartzite from country rock?). Oxidized carbonate veins cross-cut all other textures.
26.55	29.26	60	2	0	1	0	0	0	0	15	4 per m	5	0.1	1.2	0.75 per m	2	1.1	1.3	Major - 60, Minor - 30.	U	2.1	Chl	4	0	-	y	-	-	0.1	-	-	-	Mildly sericite altered granodiorite. Chlorite alterated zones are associated with areas of quartz-chlorite micro-veins. Microveins cross-cut all other veins (Photo 1: July 17 @ 27.32m). Quartz-chlorite microveins are Pyrrhotite bearing and may represent the "quartz microveins" vein type seen at surface during prospecting. Quartz-chlorite veins represent second recorded metalliferous fluid (temporal relationship to arsenopyrite and pyrite mineralization is unknown at current). The relationship of quartz-chlorite-pyrrhotite veins to quartz-arsenopyrite-pyrite veins should be resolved as a matter of top importance. Photo 2: July 17 @ 27.27m shows quartz-chlorite microvein swarm which may represent surficial fracture zones.
29.26	29.61	15	1	1	1	4	0	1	0	4	5 per m	6	0.6	0.7	2 per m	5/6	0.1	0.1	Major - 60, Minor - 50, Carb - 10	S	10.0	Chl	5	1	y	y	-	y	1.0	-	-	-	Chlorite altered zone of veining. Quartz veins contain Pyrrhotite intergrown with Pyrite. Are they co-precipiating? (Different oxidation states for Pyrrhotite and Pyrite). Pyrrhotite stringers associated with quartz vein cross-cut low angle carbonate vein @29.57m (Photo 3: July 17). Chlorite microvein is present and has pyrrhotite "blooms" along the extent of the vein, vein can be seen only with a hand lens and is indicative of potential for v. fine grained sulfide mineralization in areas of chlorite alteration.
29.61	31.49	70	1	2	1	0	0	0	0	3	1 per m	2	0.8	1.0	0.5 per m	5	0.1	0.1	60	S	0.1	K	1	0	-	-	-	-	-	-	-	-	Moderately oxidized and mildly sericitized medium grained granodiorite. Quartz-K-Spar veins have minimal selvedges. Quartz-chlorite vein is a microvein but has no obvious pyrrhotite in this interval.
31.49	32.99	55	1	1	1	1	0	0	0	7	2 per m	6	2.2	2.9	1 per m	5	0.1	0.1	55	G	5.0	Chl	4	3	y	y	-	-	1.0	-	-	-	Fresh to mildly sericite, chlorite and oxide altered granodiorite. Oxidized fracture surfaces. Pyrite and pyrrhotite are intergrownand appear to be refilling earlier quartz/quartz-k-spar veins. Quartz-chlorite microfracture veining is present in the interval but is less pronounced.
32.99	34.30	50	1	1	0	1	0	0	0	5	3 per m	5	0.1	0.3	1 per m	1	0.8	0.8	50	U	2.1	Chl	3	0	-	-	-	-	-	-	-	-	Fresh to mildly sericite altered granodiorite. Oxides on fracture surfaces. Quartz-chlorite microfracture veins are all aligned. No visible sulfides in any veins.
34.30	34.78	70	4	2	3	3	1	0	0	1	1 per m	3	1.3	1.3	-	-	-	-	60	S	15.0	Ser, Chl, Ox	5	2	-	-	-	-	-	-	-	-	Sericite altered granodiorite with upper and lower fault gouge defining the interval. There is a fault zone at the upper contact of the quartz-carbonate vein. Quartz in the vein is dark and has brecciated fragments in it. The vein is heavily oxidized and has multiple stringers eminating from it.
34.78	38.68	50	2	1	0	1	0	0	0	13	3 per m	5	0.2	1.0	0.5 per m	2	0.1	0.3	Major - Low ange - 10, Major - High Angle - 50, Minor - 45	U	0.6	Qtz, Chl, K	2	0	-	y	-	-	0.1	-	-	-	Fresh to mildly chloritized granodiorite with oxides on fracture surfaces. Veining is noticeably more pyrrhotiferous than pre-faulted interval. Two generations of quartz-chlorite veins, one is low angle to the core axis and the other is high angle. Both are pyrrhotite bearing. High angle set cross-cuts and offsets low angle set (Photo 4, July 17). Felsic dyke between 36.04m and 36.47m. Low angle quartz-chlorite veins have no selvedges. High angle quartz-chlorite veins have chlorite selvedges.
38.68	40.23	60	2	1	0	0	0	0	0	9	5 per m	5 chl rich	0.9	2.5	1 per m	5 qtz rich	0.1	0.1	5 chl rich - 30, 5 qtz rich - 10	U	0.3	Qtz, K	2	0	-	-	-	-	-	-	-	-	Moderately oxidized granodiorite with quartz-chlorite veins. Type 5 chl-rich veins are the dominant vein type and can be seen with piggy-back growths (Photo 5, July 17 @ 39.06m). No sulfides appear to be present with the chlorite although microscopic pyrr is possible based on relationships in previous interval. Oxidized carbonate on fracture surfaces.
40.23	43.20	60	1	0	0	3	0	0	3	7	2 per m	1	110.0	150.0	-	-	-	-	30	S	0.1	Ox	2	4	-	-	-	-	-	-	-	-	Zone of thick milky quartz veining with chlorite stringers present throughout. Felsic dyke between 41.45m and 43.57m is the host rock type. Veining obscures contacts between felsic dyke and main intrusive. No sulfides present. Chlorite has smeared appearance in some of the veins.
43.20	47.66	30	1	0	1	0	0	0	0	19	4 per m	5	0.1	1.5	1 per m	2	0.7	1.3	50	S	15.0	Musc, Chl	3	0	-	y	-	-	0.01	-	-	-	Fresh to mildly sericitized granodiorite. Dominant vein type is chlorite-quartz microveins which are locally pyrrhotite bearing. Quartz-K-Spar veins are generally thicker and have more muscovite in the alteration selvedges. Oxides and muscovite on fracture surfaces. Carbonate crack-seal veins are variably oxidized and overprint all other textures.
47.66	48.40	25	1	2	1	3	0	0	0	3	4 per m	6	4.0	4.2	-	-	-	-	55	G	15.0	Chl	4	1	y	y	-	y	2.0	-	-	-	Chlorite altered granodiorite. Oxides on fracture surfaces. Main interest in the interval is 4 cm thick quartz-sulfide vein. Pyrite and Pyrrhotite are the main sulfides present in the vein although dark fine grained sulfides are also present. Vein is @47.73m. Quartz microvein @48.23m has muscovite alteration with disseminated Pyrite in the selvedges. Oxidized microfractures eminate from fracture surfaces.
48.40	52.33	90	1	0	0	0	0	0	0	19	4 per m	5	0.1	1.9	-	-	-	-	70	U	0.3	Chl	2	0	-	-	-	-	-	-	-	-	Mildly sericitized, medium grained granodiorite. Biotite grains show some alignment. Dominant vein type is sub-mm chlorite-quartz microveins aligned @50 degrees to the core axis. Veins are present in concentrated clusters of 3 to 5 over several cm's. Chlorite alteration selvedges are the most obvious sign of this vein type. No visible sulfide mineralization.
52.33	53.51	70	1	0	0	0	0	0	0	5	4 per m	5	0.3	1.0	-	-	-	-	30	U	5.5	K, Chl, Qtz	5	0	-	-	-	-	-	-	-	-	Fresh, medium grained granodiorite. Quart-chlorite veins dominate in an aligned grouping. A felsic dyke is present @52.75m to 52.84m contact is oriented @50 degrees to the core axis. Selvedges to vein ratio is very striking in this interval. Minor biotite in some of the veins.
53.51	56.11	90	0	0	1	0	0	0	0	8	2 per m	5	0.1	0.5	0.5 per m	6	0.5	0.5	Major - 50, Minor - 20	U	1.2	Chl	3	0	-	y	-	-	0.2	-	-	-	Fresh to mildly sericitized medium grained granodiorite with minor alignment of biotite grains. Three vein sets are present and show a great cross-cutting relationship @55.06m: Early pyrrhotite bearing quartz vein (1) is cross-cut by quartz-k-spar vein (2), which are both cross-cut by chlorite microveins (3) which also contain minor pyrrhotite (Photo 1, July 18). Vein set (1) in this interval has a very high concentration of pyrrhotite in a vein for this deposit (Photo 2, July 18).
56.11	66.94	30	1	1	1	0	0	0	0	30	2.5 per m	5	0.1	2.5	0.2 per m	6	5.0	8.0	Major - 60, Minor - 60, Low angle pyrr vein - 20	S	7.5	Chl	3	0	y	y	y	y sph	2.0	-	-	-	Interval with a repeating pattern of early quartz veins being overprinted by later sulfides in association with chlorite alteration. Selvedges are generally quite pervasive compared to others seen in this hole. Most significant mineralisation in the interval occurs @60.72m where a pyrrhotite, pyrite, arsenopyrite, sphalerite vein 5 cm thick is present (Photo 3, July 18). Arsenopyrite, Pyrite, Pyrrhotite vein @ 61.22m is also of interest. A low angle early quartz vein with high concentrations of pyrrhotite (similar to previous interval) is seen @66.04m and 66.19m.
66.94	68.15	60	1	0	2	2	0	0	0	3	4 per m	6/1	1.0	2.3	-	-	-	-	50	G	20.0	Chl	4	0	y	y	y	y moly, chalc, sphal	3.0	-	-	-	Zone of chlorite and sericite altered granodiorite with original quartz veins overprinted with poly-metallic sulfide mineralization. Pyrite is the dominant sulfide in both sulfide bearing veins @67.06m and 67.87m. Vein @67.06m has molybdenite, chalcopyrite, pyrite and sphalerite (Photo 1: July 19).
68.15	71.51	70	2	0	1	1	0	0	0	9	1 per m	5 qtz rich	1.7	2.5	2 per m	5 chl rich	0.1	0.5	5 qtz rich - 15, 5 qtz rich - 80	U	1.0	K	2	0	-	y	-	-	0.2	-	-	-	Zone of mildly sericite and chlorite altered granodiorite with low angle quartz-chlorite veins which are pyrrhotiferous and higher angle chlorite-quartz veins which do not appear to contain any significant sulfide mineralization. Area of Pyrrhotite mineralization "bleeding" out of vein into granodiorite @70.63m (Photo 2, July 19). Pyrrhotite is most strongly associated with areas of chlorite and biotite.
71.51	76.58	70	1	0	1	0	0	0	0	4	0.2 per m	Qtz, Musc	0.2	0.2	0.2 per m	Qtz, Pyrr	0.5	0.5	30	S	5.0	Chl, K	3	0	-	y	-	-	0.01	-	-	-	Zone of relatively fresh medium grained granodiorite. Minimal veining in the interval. Quartz-muscovite vein @73.82, Quartz vein bearing Pyrrhotite @73.77m. One felsic dykelet 1 cm wide @ 76.25m.
76.58	76.80	70	1	0	0	4	0	0	0	1	1	6	1.3	1.3	-	-	-	-	50	G	15.0	Chl	5	0	y	-	y	-	2.0	-	-	-	Zone of chlorite altered granodiorite with pyrite and minor arsenopyrite associated with quartz vein @76.63m.
76.80	78.20	90	1	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Fresh, unaltered medium grained granodiorite. No veining.
78.20	79.64	50	1	0	0	0	0	0	0	3	2	6 Poly	1.1	2.2	1	5 Pyrr	1.3	1.3	Major - 50, Minor - 15	G	12.0	Chl	5	0	y	y	y	y chalco, sphal, sulfosalts?	2.0	-	-	-	Fresh medium grained granodiorite with quartz veins bearing pyrrhotite, pyrite, chalcopyrite, sphalerite and arsenopyrite oriented @50 degrees to the core axis and pyrrhotite-bearing veins oriented @15 degrees to the core axis. Pyrrhotite is the dominant sulfide in the vein @78.32m with around 40% of the total vein fill being pyrrhotite (Photo 3, July 19). Vein @79.47m has pyrrhotite with chalcopyrite intergrowths, pyrite, arsenopyrite and a very fine grained dark sulfide mineral (sulfosalts?) (Photo 4, July 19).
79.64	86.60	50	2	0	0	0	0	0	0	17	15	Carb-Chl	0.1	1.5	2	1 Pyrite	0.6	1.0	50	U	20.0	Chl	3	1	y	-	-	-	0.01	-	-	-	Fresh medium grained granodiorite with chlorite-carbonate microveins peppered throughout the interval. Quartz veins are also present but are less numerous. Chlorite-carbonate veins cross-cut the quartz veins indicating that they are later than the quartz veins. Quartz vein @85.02m is pyrite bearing (~5% of the vein) and is associated with a noticeably oxidized fracture. Oxides on fracture surfaces.
86.60	90.71	60	1	0	0	0	0	0	0	15	5	5	1.3	5.0	5	Felsic dykelet	28.0	80.0	Major - 10, Minor - 40	U	0.5	K	2	0	-	y	-	-	0.2	-	-	-	Fresh medium grained granodiorite with minor alignment in biotite grains. Low-angle quartz-chlorite veins which are pyrrhotite bearing run parallel to the core axis and are mineralized for almost the entire length of the interval (Pyrrhotite = ~2% of the vein volume). Low angle pyrrhotite-bearing quartz-chlorite veins are cross-cut by a number of felsic dykelets. Contacts for the felsic dykelets are oriented @40 degrees to the core axis (Photo 5, July 19). Minor chlorite microveins are also present, 0.1 cm thick with 5 in the interval.
90.71	93.03	60	1	0	0	0	0	0	0	17	15	Chl-carb	0.1	1.5	2	2	0.5	0.7	Major - 50, Minor - 30	U	7.0	Chl	3	0	-	y	-	-	0.01	-	-	-	Fresh medium grained granodiorite with chlorite-carbonate microveins peppered throughout the interval. A single quartz vein @92.58m is pyrrhotite bearing (~2% of the vein), with one other pyrrhotite-bearing vein in the interval. Alteration selvedges of chlorite-carbonate veins are large compared to vein width. Chlorite and oxides on fracture surfaces.
93.03	94.10	50	2	0	2	4	0	0	0	3	2	3	1.4	2.4	1	6	1.0	1.0	Major - 50, Minor - 60	G	30.0	Chl	4	0	y	-	-	-	2.0	-	-	-	Chlorite altered granodiorite. Feldspar phenocrysts are altered to pale-tan colour. 2 quartz-carbonate veins in the interval, 1 massive pyrite vein (100% of the vein) which contributes disseminated pyrite about 7 cm on either side of 1 cm thick vein. Carbonate crack-seal veins are also present. Muscovite alteration associated with quartz-carbonate veins. Fresh fracture surfaces. Dirty quartz microvein @93.27m.
94.10	105.86	70	1	0	0	1	0	0	0	29	18 high angle, 2 low angle	5	0.2	2.0	9	2	5.0	20.0	5 High angle - 60 to 70, 5 Low angle - 10, 2 - 60	U	12.0	Chl	3	0	-	0.5	-	-	0.01	-	-	-	Fresh medium grained granodiorite with quartz-chlorite veins which contain minor volumes of pyrrhotite in chlorite clots. A second pyrrhotite-bearing vein type is present as qtz-k-spar veins, also in small chlorite clots. Two orientations of quartz-chlorite veins (1) @10 degrees to the core axis, (2) @~70 degrees to the core axis. Quartz-k-spar veins oriented @60 degrees to the core axis. Nice example of high angle quartz-chlorite vein cross-cutting the quartz-k-spar vein @105.51m (Photo 1, July 20) - impregnation of quartz-k-spar with pyrrhotite by quartz-chlorite vein event?
105.86	106.41	50	1	0	1	3	0	0	2	2	1	4 sulfide	0.5	0.5	1	2	15.0	15.0	50	U	10.0	Chl	3	0	-	1.0	-	-	0.1	-	-	-	Interval of chlorite altered and silicified granodiorite. Two veins in the interval. The first is a felsic dykelet (quartz, k-spar, biotite). The second is a carbonate vein with some minor quartz. Vein edges of the carbonate vein are fine grained sulfides and there are pyrrhotite "blooms" out into the alteration selvedges.
106.41	109.93	50	1	0	1	1	0	0	0	13	1	5 Pyrr	2.0	2.0	4	2	1.0	1.6	Major - 10, Minor - 40, Chl-Carb - 80	S	0.1	K	1	0	-	1.0	-	Chalco 0.01	0.1	-	-	-	Fresh to mildly sericitized granodiorite with low angle quartz-chlorite-k-spar veins which are pyrrhotite bearing in chlorite "blooms" and chlorite fracture fills. Quartz-k-spar-biotite veins are present and are locally pyrrhotite bearing although in far less volumes than in type 5 veins. Minor chlorite-carbonate veins are peppered thoughout the interval and have the most extensive alteration selvedges (typically 2 to 5 cm for 0.1 cm veins). Very minor chalcopyrite associated with pyrrhotite in type 5 veins.
109.93	111.14	60	2	0	1	3	0	0	0	12	8	Qtz-Pyrr	0.2	1.0	2	3	2.3	3.3	Major - 50, Minor - 60	G	22.0	Chl	3	0	-	2.0	-	-	0.1	-	-	-	Fresh moderately sericitized granodiorite to chlorite altered granodiorite. Lots of quartz veins with pyrrhotite mineralization within the chloritic alteration halos of the two large quartz-carbonate veins. Quartz-pyrrhotite veins are typically mm-scale and do not follow a preferred orientation. Quartz-carbonate veins do not appear to carry any sulfides. A single example of a quartz-chlorite vein @110.63m is non-sulfide bearing. Quartz-pyrrhotite veins here align most strongly with the surficial expression of quartz microveins (Photo 2, July 20 @109.97m)
111.14	115.53	40	1	0	1	0	0	0	0	11	4	5 Pyrr	1.0	2.5	7	Chl-carb-qtz-pyrr	0.1	0.5	Major - 40, Minor - 50	S	2.5	K, Chl, Qtz	2	0	-	0.5	-	-	0.1	-	-	-	Fresh to moderately sericite altered granodiorite. Quartz-chlorite-pyrrhotite veins are the main vein type. Pyrrhotite is the only variably present. Minor fractures with chlorite, carbonate, quartz ± pyrrhotite have the most pervasive chlorite alteration selvedges. Fracture surface on pyrrhotite-rich fracture is covered in pyrrhotite grains (Photo 3, July 20 @111.99m)
115.53	117.51	40	2	0	2	3	0	0	1	6	4	6	2.5	3.7	2	Dirty qtz	0.1	0.2	50	G	18.0	Chl	3	0	15.0	5.0	-	Chalco 0.5	2.0	-	-	-	Fresh to moderately sericitized granodiorite with quartz-sulfide veins. Veins vary between quartz(± K-spar) with no sulfide to 100% pyrrhotite. One of the veins contains massive pyrite. The other contains "blebs" of pyrrhotite and chalcopyrite which are discrete to one another. Two dirty quartz microveins complete the veining in the interval. Generally, this interval is more sulfide rich than is typical in this hole.

Comments

["Lithology" ; *"Colour", "Texture" (Grain Size), "Alterations" (Weathering), "Structures" (Fracturing, Deformation, Veining)*, *"Mineralogy" (Modal Percentages, Paragenesis), "Habit", ...* **]**

["Veins" ; *"Mineralogy", "Measurements", "Structure (Cross-cutting Relationships)", "Texture", "Alteration", "Weathering", "Phases", ...* **]**

["Selvage" ; *"Alteration", "Colour", "Measurements", "Structure", "Texture", "Weathering", "Phases", "Mineralogy", ...* **]**

["Sample Dimensions" ; *"Height x Length x Width", "Specific Gravity", "Fracture Angles", ...* **]**

117.51	119.09	70	4	0	2	2	3	0	0	5	1	6	0.5	0.5	3	3	0.1	0.3	Major - 70, Minor - 30	G	5.0	Ser, Clay, Chl	5	0	90.0	-	-	-	2.0	-	-	-
119.09	120.87	60	1	0	0	0	0	0	0	2	1	5 pyrr	1.0	1.0	1	3	0.1	0.1	Major - 10, Minor - 60	S	2.0	K, Bio, Chl	5	0	-	2.0	-	-	0.1	-	-	-
120.87	127.32	20	2	0	0	0	0	0	0	16	8	5	0.2	1.5	8	3	0.1	0.8	Major - 60, Minor - 20	S	1.5	K, Bio, Chl	3	0	-	-	-	-	-	-	-	-
127.32	132.60	30	3	0	0	0	0	1	0	20	6	6	2.0	5.0	5	5 pyrr	0.3	2.2	Major - 50, Minor - 50, Carb - 30	S	0.2	Chl	1	0	-	1.0	-	Chalco 0.01	0.1	-	-	-
132.60	138.02	90	0	0	0	1	0	0	0	5	3	5 Pyrr	2.1	5.0	2	Felsic dykelet	1.2	1.5	Major - 15 + 60, Minor - 15	S	2.5	K	3	0	-	0.1	-	-	0.01	-	-	-
138.02	146.54	60	1	0	1	0	0	0	0	25	20	5 Pyrr	3.1	5.0	5	Felsic dykelet	5.0	9.0	Major - 50, Minor - 50	G	27.0	Chl, Carb	3	0	-	0.5	-	-	0.1	-	-	-
146.54	148.39	40	2	0	1	1	0	0	0	5	1	6	0.2	0.2	2	5	0.2	0.3	6- 60, 5-40, 2-50	G	24.0	Chl, Carb	3	0	-	80.0	-	-	0.1	-	-	-
148.39	160.95	60	1	0	1	0	0	0	1	28	28	Chl-carb	0.1	2.8	-	-	-	-	10 to 60	U	0.5	Chl	2	0	-	-	-	-	-	-	-	-
160.95	165.11	60	1	0	1	1	0	0	0	7	7	5 Pyrr	0.3	1.0	-	-	-	-	60	S	3.1	Chl, Carb	5	0	-	0.1	-	-	0.01	-	-	-
165.11	179.96	50	1	0	1	1	0	0	0	9	2	5	0.2	0.3	7	4	0.1	0.5	50	U	3.4	K, Bio	2	0	-	-	-	-	-	-	-	-
179.96	188.06	60	3	0	1	1	0	1	0	32	32	3/6	0.6	5.0	-	-	-	-	10 to 70	S or faulted	13.0	Ser, Carb	4	0	90.0	-	-	-	2.0	-	-	-
EOH																																

Poor recovery due to faulting and clay alteration. Fault gouges with intense clay alteration @117.65m. Low angle carbonate veins are present throughout the interval and cross-cut all other textures, forming the dominant fracture set. Carbonate on fracture surfaces. At 118.94m a sericite and clay altered fault gouge has a fine grained pyrite ~10 cm below it. Fine grained pyrite vein appears to be re-utilising an earlier carbonate vein which is oriented @75 degrees to the core axis.

Zone of fresh granodiorite with low angle quartz-k-spar-chlorite vein which is pyrrhotite bearing. Vein runs along the axis of the core for several 10's of cm's. Pyrrhotite bearing vein is cross-cut by carbonate microvein with chlorite alteration selvedges @119.95m (Photo 1, July 21)

Zone of fresh granodiorite with ~60 degree chlorite-rich type 5 veins overprinted by low angle carbonate microveins with carbonate alteration halos. Carbonate veins splay out from main veins to fracture the rock more heavily in places. No sulfides present in the interval. Carbonate on fracture surfaces.

Similar pattern to previous interval but with increased intensity of veining and alteration. Type 5 veins in the interval are altered and are pyrrhotite bearing (<0.5% per vein) There is now the presence of quartz veins oriented @40 degrees to the core axis bearing pyrrhotite (2% per vein). Quartz vein appears to be terminated against an altered type 5 vein @128.44m (Photo 2, July 21). Carbonate microveins persist and form the dominant fracture set. Alteration selvedges around type 5 veins are typically 5-10 cm of chlorite where vein is altered and 2-5 cm of K-spar where vein is fresh.

Fresh, medium grained granodiorite with quartz-chlorite and quartz-k-spar veins with low angles to the core axis (1 vein of each type). A less prominent set of quartz-chlorite is present oriented @60 degrees to the core axis. A single example of a quartz-carbonate-muscovite vein is present @133.78m, Minor alignment of biotite grains. Low angle quartz-chlorite vein is pyrrhotite-bearing along a fracture on the edge of the vein.

Similar to previous interval but with no low angle veins, all veins ~60 degrees to the core axis. Intermittent zones of green chlorite and carbonate alteration overprinting type 5 veins. Pyrrhotite is hosted both within veins (best example @146.19m) and also disseminated throughout the altered zones around the chlorite-carbonate overprint (e.g., @143.03m, Photo 3, July 21). Numerous carbonate microfracture veins are present in areas of chlorite and carbonate alteration.

Very similar to previous interval with type 5 veins, type 2 veins and carbonate-microveins. Most significant mineralization in the interval is a pyrrhotite vein with chlorite and carbonate alteration selvedges. Again, Pyrrhotite is disseminated out into the selvedges of the vein. Some minor sericitization of the granodiorite. Fresh fracture surfaces.

Zone of granodiorite with distinct alignment in biotite grains (foliation?) Is this close to contact and indicating emplacement strain? Only veins present in the interval are carbonate-chlorite microveins with chlorite alteration halos. No visible sulfide mineralization.

Zone of the same strained looking granodiorite with aligned biotite grains. Quartz crystals look smeared and elongated. Veining in the interval is quartz-chlorite-carbonate veins with very minor pyrrhotite. All are aligned @60 degrees to the core axis. Fractures within the interval are along the planes of the vein.

Zone of surprisingly infreuent veining (9 veins to the interval but only 2 which are not late-stage carbonate veins). The two veins which are not carbonate-only veins are quartz-k-spar-chlorite veins with no visible pyrrhotite. Host granodiorite is again strained looking and may have had additional biotite added to the system Felsic dyke between 168.53m and 168.74m has significantly more biotite than any of the other felsic dykes in this hole. Fractures are along carbonate vein planes and are both low angle and @60 degrees to the core axis.

Granodiorit shows some strain textures but less prominent than in previous intervals. Pyrite is the only sulfide present in the interval and is associated with quartz-carbonate veins in areas of pervasive sericite and carbonate alteration. Carbonate vein orientations vary wildly from around 10 to 70 degrees to the core axis. In areas of less intense alteration, pyrite is present within main carbonate vein. In areas of highest alteration, pyrite is present as discrete sulfide veins. Two of the more prominent veinss @183.89m (Photo 1, July 22) and @185.64m (Photo 2, July 22) both follow a repeating structural package. The package at 183.89m has sericite-rich alteration while the alteration at 185.64m is more carbonate rich. Carbonate on fracture surfaces.

End of Hole: 188.06m

FeOx Scale		Weathering				Si Scale		Ser, Chl, etc Scale		Carbonate		Selvages		Ox. State	
0 =	Unoxidized	OVB	Overburden	FSH	Fresh	0 =	No Silicification	0 =	Unaltered	0 =	No Effervescence	0 =	No Alteration	0 =	No Ox Sulphides
5 =	Intensely Oxidized	WTH	Weathered			5 =	Intense Silicificati	5 =	Intensely Altered	5 =	Strong Effervescence	5 =	Strong Alteration	5 =	All Sulphur Oxidized

Selevage Alteration			
chl =	Chlorite	q =	Quartz/Silica
k =	K-Spar	cb =	Carbonate
s =	Sericite	cc =	Calcite
bt =	Biotite		

Fracture	
1	<10%
2	10-30%
3	30-50%
4	>50%

Selvage Contact
Gradual
Sharp
Undulating
Banded

Grain Size
Fine
Medium
Coarse

Vein Type			
1 =	Quartz	4 =	Carbonate
2 =	Quartz/K-Spar	5 =	Quartz/Chlorite
3 =	Quartz/Carb	6 =	Sulphide +/- Qtz

Rock Type			
Sedimentary	SED	Metasedimentary rock	
	PHYLL	Phyllite	
	QTZITE	Quartzite	
	HNFLS	Hornfels	
Granodiorite	GND	Undifferentiated Granodiorite	
	FGND	Fine Granodiorite	
	MGND	Medium Granodiorite	
	CGND	Coarse Granodiorite	
	AGND	Altered Granodiorite	
	VNGND	Sheeted Vein Granodiorte	
Dykes	APL	Aplite Dyke	
	FDYK	Felsic Dyke	
	MDYK	Mafic Dyke	
	SKN	Skarn	
Veins	QV	Quartz Vein	
	VN	Undifferentiate Veins	
	QCV	Quartz-Carb	
	QFV	Quartz-Feldsp	
	CBVN	Carbonate Vein	
Shear			
Fault Related			

Zonte Metals 2017 McConnells Jest				Drill Hole #: MJ17-02						Zone of Deposit: Hill Target								Orientation: 180° 70° Dip					UTM (Projected Coordinate System; NAD83, Zone 8N): 479920 7099185												Date: July 22, 2017			
Intervals		Fracture Intensity		Alterations (0-5)						Veins									Selvages					Sulfides					Oxides & Tungstates								
From	To	Fract Angle	Fract. Intensity	Oxide (ox)	Sericite (ser)	Chlorite (chl)	Clay (arg)	Carb (carb)	Silicification (Si)	# of Veins	#/interval(Major)	Type_major	Max_cm	Total(Major) cm	#/interval(Minor)	Type_Minor	Max. (cm)	Total(Minor) cm	Vein Angle	Selvage Contact	Max (cm)	Alteration	(0-5)	Ox. State 0-5	Pyrite	Pyrrhotite	Arsenopyrite	Other Sulfide	Total Sulfide %	Limonite (Goethite, Hematite,...)	Scheelite (Wolframite,...)	Other Oxide (Gossan, Scorodite,...)					
0.00	18.01	40	3	2	0	1	0	0	1	21	12	5	1.0	15.0	-	-	-	-	30 to 50	S	3.0	K, Qtz	3	1	-	-	-	-	-	-	-	-					Quartz-chlorite altered granodiorite. Quartz-K-Spar alteration halos on veins are variably oxidized. Zones of highest oxidation between 7.62m-8.12m and 13.72m-15.20m. Oxides on fracture surfaces. Felsic dykeley between 15.60m and 15.68m. This vein type has been quite consistent for pyrrhotite in MJ17-01, is the surficial weathering and/or oxidation removing the pyrrhotite from the veins. Granodiorite is fresh, medium grained (oxidized in places) with no indication of strain at all.
18.01	19.65	50	3	3	0	1	0	2	0	3	2	5	15.0	15.4	1	4	0.1	0.1	5 - 50, 4 - 20	U	4.5	K, Chl	5	3	-	-	-	-	-	-	-	-					Zone of oxidized granodiorite with 2 type 5 veins and a series of carbonate microfracture veins which cross-cut all of the other textures and are oxidized. Fracture surfaces are typically oxidized carbonate material. Core varies between competent to rubbly where oxidized carbonate veins are concentrated. Quartz-chlorite veins appear to be either foliated or strained but granodiorite is too oxidized to see much primary igenous texture.
19.65	28.55	20	2	0	0	0	0	0	0	22	5	5	1.1	1.9	6	Felsic dykelet	2.4	5.6	5-60, 2-60+150	S	1.8	K, Qtz	3	0	-	-	-	-	-	-	-	-					Interval of relatively fresh, medium grained granodiorite with no prefferred orientation in biotite grains. Interval contains Type 5 veins (Quartz and Chlorite), Type 2 (Felsic dykelets + biotite), and Type 2 veins (Felsic dykelets, no biotite). Only type 5 veins have distinct alteration selvedges, the others show no alteration in the granodiorite. Low angle carbonate veins cross-cut all other textures and form the dominant fracture set. Variably oxidied carbonate on fracture surfaces. Example of Type 5 vein being cross-cut by Type 2 vein is present @ 28.43m (Photo 1, Juy 23), with late stage carbonate overprinting both veins.
28.55	38.71	10	2	1	0	0	0	0	0	28	26	5 Ksp	0.8	10.0	2	4	0.1	0.2	Major - 40, Minor - 10	U	1.0	K, Chl	2	0	-	-	-	-	-	-	-	-					Fresh, medium grained granodiorite with "sheeted" Type 5 quartz-chlorite-k-spar veins aligned @40 degrees to the core axis. Veins are typically spaced at 1-2 per metre. Also in the interval are low angle carbonate veins which have been oxidied completely, this vein set is oriented @~10 degrees to the core axis and forms the dominant fracture set. Oxidized carbonate on fracture surfaces. An example @38.65m shows purple quartz and chlorite overprinting an earlier K-spar-rich vein (Photo 2, July 23). Minor alignment of biotite grains in the granodiorite.
38.71	47.24	20	2	0	0	0	0	0	0	17	4	5 pyrr	1.0	2.5	13	3	0.1	1.3	Major - 80, Minor 10 to 20	S	3.0	K	1	0	-	2.0	-	-	0.1	-	-	-					Zone of fresh granodiorite with moderate alignment of biotite grains. Interval contains Type 5 (quartz-chlorite-carb) veins with minor pyrrhotite associated with chlorite clots. First occurrence of pyrrhotite in the hole is @42.48m (Photo 1, July 24). Type 5 veins are distributed @ roughly 1 vein per metre. Low angle (10 to 20 degrees) to the core axis, carbonate veins form the dominant fracture set and there are oxidized carbonates on fracture surfaces.
47.24	52.64	10	1	1	0	0	0	0	0	14	6	5 chl rich	1.0	1.5	8	3	0.1	0.5	Major - 70, Minor - 10	S	3.0	K, Qtz	2	0	-	-	-	-	-	-	-	-					Interval of noticeably more oxidized granodiorite. Type 5 veins persist but a noticeably thinner (0.1 to 0.2 cm) and have a marked increase in modal % chlorite in the veins. No visisble pyrrhotite associated with the chlorite. Oxides on fracture surfaces. Alteration selvedges are also variable for Type 5 veins between K-Spar and Quartz (Thicker veins) and Chlorite sevedges (Thinner veins) - Most likely that these are two vein sets given the differences in morphology and alteration. Low angle carbonate veins persist @ 1 per metre.
52.64	53.56	90	0	0	0	3	0	0	3	2	1	3 pyrr	0.1	0.1	1	1	0.2	0.2	Major - 30, Minor - 80	G	50.0	Chl, Qtz	5	0	-	5.0	-	-	0.5	-	-	-					Zone of intense chlorite alteration and silicification. Only two veins are present in the interval, a high angle quartz vein and a low angle quartz-carbonate-pyrrhotite vein. It is not clear which vein is responsible for the alteration in the interval.
53.56	61.63	20	10	0	0	1	0	0	0	16	9	5 pyrr	1.0	4.5	4	5	0.1	0.3	Major - 80, Minor 50 to 60	G	0.6	K, Qtz	1	0	-	2.0	-	-	0.5	-	-	-					Interval of fresh, medium grained granodiorite with minor alignment of biotite grains. Two main vein types 1) Quartz veins (Purple quartz with chlorite and pyrrhotite - generally thicker (0.5 cm) with K-Spar alteration halos, and 2) mm-scale chlorite-rich veins with chlorite alteration haloes. Nice example @61.11m of micro-fracture vein fracturing a quartz vein and bringing in both chlorite and pyrrhotite (Photo 2, July 24). Quartz veins bearing pyrrhotite are generally oriented @80 degrees to the core axis. Type 5 veins with shallower dips (50 to 60 degrees) are much more chlorite-rich and appear to be less prospective for pyrrhotite. Low-angle carbonate veins again cross-cut all other textures. Disseminated pyrrhotite is present in areas of no obvious veining or alteration (Photo 3, July 24). Carbonate on fracture surfaces.
61.63	62.48	60	1	0	0	3	0	0	3	2	2	6	1.0	2.0	-	-	-	-	20 and 80	G	20.0	Chl, Qtz	3	0	40.0	2.0	2.0	-	2.0	-	-	-					Zone of chlorite altered and silicified granodiorite with two quartz veins, one @20 degrees to the core axis, the other @80 degrees to the core axis, both are mineralized with pyrite @62.24m (Photo 4, July 24). Cross-cutting relationship is not clear. Some minor arsenopyrite in the veins. Sulfides appear to be later overprints on earlier quartz veins (Mineralization on the edges of veins, pyrrhotite intergrown with pyrite).
62.48	74.85	80	0	0	1	1	0	0	0	26	10	Felsic dykelet	28.0	50.0	10	1	1.0	5.0	see notes	G	5.0	K, Chl	3	0	-	1.0	-	-	0.1	-	-	-					Interval of fresh granodiorite with moderately aligned biotite grains. Some minor chlorite and sericite alteration of the granodiorite in certain sections of the interval. Veining if chiefly felsic dykelets (quartz-k-spar-biotite), purple quartz veining and quartz-chlorite microveins. Carbonate microveins cross-cut all other textures. Pyrrhotite is associated with chlorite and is found in felsic dykelets (overprinting), quartz veins (overprinting), and chlorite microveins (primary). Orientations on the veins are as follows, 1) Felsic dykelets (~70 degree to core axis), 2) Quartz veins (25 degrees to the core axis, 3) Chlorite microveins (25 degrees to the core axis) and 4) Carbonate microveins (10-20 degrees to the core axis). Alteration in overprintined veins consists of K-Spar (primary alteration) and Chlorite (overprint alteration), while in chlorite microveins alteration is chiefly chlorite.
74.85	82.91	50	1	0	1	1	0	0	1	22	14	5 pyrr	0.1	1.4	8	2 pyrr	1.0	3.5	Major - 60, Minor 20 + 80	G	29.0	Chl, Qtz	4	0	-	1.0	-	-	0.1	-	-	-					Zone of weakly sericite and chlorite altered granodiorite with abundant chlorite and quartz microveins with pyrrhotite eminating from them (Photo 1, July 25 @79.28m). Pyrrhotite is also present on the margins of less numerous quartz veins (Photo 2, July 25 @80.86m). Some oxides on fracture surfaces. Alteration selvedges on all veins are chlorite and quartz with some minor k-spar (chlorite and quartz overprint?).
82.91	85.60	60	2	0	2	3	0	0	3	17	16	5 pyrr	0.1	1.5	1	6	1.5	1.5	Major - 10 to 80, Minor - 30	G	50.0	Chl, Qtz	4	0	30.0	5.0	60.0	-	1.0	-	-	-					Zone of silicifed, sericite and chlorite altered granodiorite with numerous quartz-chlorite microveins bringing pyrrhotite into the core. Primary igneous textures are almost entirely destroyed. A massive arsenopyrite/pyrite vein @85.30m is the most significant mineralization in the hole to date (Photo 3, July 25). Vein is rougly 1.5 cm wide and is oriented @30 degrees to the core axis. No pyrrhotite in the arsenopyrite/pyrite vein - separate mineralizing events? Alteration selvedges are the some for both vein types. Oxides on fracture surfaces.
85.60	89.22	60	1	0	1	1	0	0	0	13	9	3	0.1	0.5	4	1	2.0	3.0	Major - 20, Minor - 70	G	1.5	Chl, Ser, Carb	2	1	-	-	-	-	-	-	-	-					Interval of weakly sericite and chlorite altered granodiorite with carbonate micro-veining. Two small K-Spar-quartz veins show no alteration, while a larger quartz vein has been chlorite altered and silicified. Oxides or carbonates (most common) on fracture surfaces. No visible pyrrhotite in any of the veins.
89.22	90.04	50	1	0	3	2	0	3	0	1	1	3/6	3.5	3.5	-	-	-	-	30	G	30.0	Chl, Ser, Carb	5	0	30.0	10.0	-	-	5.0	-	-	-					Interval of sericite and carbonate altered granodiorite, disseminated pyrite throughout the altered granodiorite. 3.5 cm thick carbonate vein with quartz, euhedral pyrite and pyrrhotite is the main feature of the interval @89.62m (Photo 4, July 25).
90.04	95.08	60	1	0	1	0	0	0	0	27	10	5 pyrr	0.6	3.5	17	3	0.1	1.5	Major 50 to 80, Minor 10 to 80	S	12.0	K, Chl, Qtz, Carb	2	0	-	2.0	-	-	0.2	-	-	-					Zone of weakly sericite altered granodiorite with mulitple carbonate microfracture veins bringing in alteration selvedges with a green colour (carbonate and chlorite). Quartz-K-Spar veins show either K-Spar ± quartz alteration halos or are overprinted with carbonate and chlorite alteration. Quartz-K-Spar veins with both primary and overprint alteration host pyrrhotite mineralization. Pyrrhotite component in the veins is some of the highest concetrations seen for these vein types in this hole.
95.08	96.01	20	1	0	2	2	3	4	0	18	17	3	1.0	2.0	1	6	0.1	0.1	Major - 20, Minor - 70	G	50.0	Ser, Carb, Clay, Chl	4	0	50.0	-	-	-	0.01	-	-	-					Interval of intense carbonate veining and alteration. Fracture surfaces are covered in carbonate, very high density of carbonate microveining. 1 cm carbonate vein @96.01m. A dirty quartz vein @95.85m can been seen heading towards carbonate vein @70 degrees then follow the path of the carbonate vein @20 degrees to the core axis (Photo 5, July 25)
96.01	106.87	20	1	0	1	0	0	0	0	10	5	5 pyrr	2.0	5.0	5	3	0.1	0.3	Major - 50, Minor - 20	S	1.0	K	2	0	-	1.0	-	-	0.1	-	-	-					Granodiorite in this interval appears to be more noticeable strained. Veining is restricted to quartz-chlorite-pyrrhotite at a density of around 1 vein per 2m. Quartz veins typically have minor K-Spar alteration halos and contain much more pyrrhotite on fracture surfaces than is indicated from the whole core (Photo 6, July 25 @102.11m). Carbonate microveins cross-cut all other textures. Carbonate on fracture surfaces.
106.87	108.68	40	1	0	1	0	0	0	0	7	2	5 pyrr	1.3	2.5	2	Chl, pyrr, py	0.1	0.2	Major - 60, Minor - 50	S	0.2	Chl, Qtz	1	0	0.5	2.0	-	-	0.1	-	-	-					Interval of fresh granodiorite with weak sericite alteration. Weak alignment of biotite grains. Primary quartz veins are overprinted with chlorite and pyrrhotite mineralization which is concentrated along vein margins. There are also examples of the overprinting chlorite and pyrrhotite mineralization as discrete veins, some minor pyrite is present in the discrete veins. Carbonate crack-seal veins are present and cross-cut all other structures and textures.
108.68	109.83	40	2	0	3	0	3	3	0	3	3	6	0.2	0.5	-	-	-	-	60	Pervasive alteration throughout					70.0	-	-	-	2.0	-	-	-					Interval of carbonate, clay and seriticte altered granodiorite with disseminated pyrite (Photo 7, July 25 @109.00m) throughout. Pyrite is also concentrated in distinct microveins. Primary quartz veins appear to be overprinted and altered into less planar geometries.
109.83	116.49	60	1	0	1	0	0	0	0	17	7	5 pyrr	4.0	6.5	10	3	0.1	0.5	60	S	20.0	K, Qtz, Chl	5	0	-	0.5	-	-	0.01	-	-	-					Zone of quartz with chlorite and minor pyrrhotite overprint. Evidence for more veining from the presence of k-spar ad chlorite patches with no distinct vein. These are interpreted to be the ateration selvedges of veins which were close to the drillhole but not included in the core. Pyrrhotite mineralization is again associated with chlorite clots in the veins. Carbonate crack-seal veins cross-cut all other textures.
116.49	118.26	20	1	0	0	0	0	0	0	6	2	5	3.0	6.0	1	2	0.3	0.3	Major - 10, Minor - 80	U	2.0	K, Chl, Qtz	2	0	-	-	-	-	-	-	-	-					Interval with two very low angle quartz veins which appear to have undergone some strain. Veins are smeared with jagged edges and have smeared out chlorite within them. No pyrrhotite appears to be associated with any of the chlorite (smeared out?). An example of a high angle quartz and k-spar vein being truncated by the low angle vein is present @117.18m (Photo 7, July 25). Carbonate crack-seal veins cross-cut all other textures.
118.26	119.82	60	1	0	1	4	0	3	4	9	9	Chl, Carb	0.1	0.5	-	-	-	-	50	See notes on alteration					-	-	-	-	-	-	-	-					Zone of mottled alteration which appears to be silicified chlorite. Texture has not been witnessed at McConnells Jest or Dublin Gulch before. No sulfides associated with this alteration type. Dominant vein type is chlorite-carbonate microveining which causes core to become crumby due to the increased carbonate content in areas of higher vein densities. Primary quartz veins are brecciated (suggests higher energy fluid event), Photo 1 (July 26) is @118.50 and shows the mottled alteration textures.
119.82	120.77	90	0	0	1	2	0	0	0	3	2	5	0.1	0.2	1	4	0.1	0.1	20	U	0.5	Chl, Qtz	1	0	-	-	-	-	-	-	-	-					Interval of relatively fresh, medium to fine grained granodiorite with moderate chlorite alteration. Quartz-chlorite microveins and a single carbonate vein. No sulfides.
120.77	124.85	50	3	0	1	3	0	3	4	17	14	3 pyrr	2.0	3.2	3	6	0.1	0.3	Major - 50, Minor - 80	See notes on alteration					5.0	-	-	-	0.2	-	-	-					Zone of varingly silcified and carbonate +/- chlorite altered granodiorite. Almost all primary igneous textures are stripped from the interval. Numerous microveins of carbonate with very fine grained sulfides (pyrite?). Quartz veining is present mostly as altered primary veins. A single larger quartz vein (2cm wide @123.82m) contains crystalline pyrite on the vein margin. Carbonate and quartz on fracture surfaces. Carbonate veins appear to the last vein stage. Pyrite stringer veins present in the interval.
124.85	125.98	50	1	0	1	2	0	0	1	1	1	4	0.1	0.1	-	-	-	-	50	-	-	-	-	-	-	-	-	-	-	-	-	-					Chlorite altered medium to fine grained granodiorite. Phenocrysts are typically rounded out. One vein in the interval - a single carbonate vein with a few minor carbonate microractures. No sulfides present in the interval
125.98	126.76	20	2	0	1	3	0	3	1	5	3	3 py	0.2	0.5	2	1	0.5	1.0	20	See notes on alteration					10.0	-	-	-	0.2	-	-	-					Chlorite and carbonate altered granodiorite with altered primary quartz veins with carbonate and pyrite precipitating along the vein margins. Minor limonite staining/alteration in the interval. Carbonate and chlorite overprint appears to be the dominant mineralisation style in the hole.
126.76	138.10	20	1	0	0	0	0	0	0	23	13	5 carb	2.7	7.0	10	4	0.1	0.5	50	S	3.0	K, Chl, Qtz	3	0	-	2.0	-	-	0.1	-	-	-					Zone of strained appearing granodiorite - alignment of biotite grains with phenocrysts of k-spar and quartz showing some rounding. Minor pyrite associated with carbonate overprint of quartz vein @129.60m with associated carbonate-sericite alteration. 95% of the granodiorite in the interval shows no alteration. Low-angle carbonate microfracture veins are present in the interval, along with quartz +/- chlorite veins and quartz-k-spar-biotite veins (assumed to be the selvedges of quartz-chlorite veins). Pyrrhotite mineralization is associated with quartz-chlorite veins. Pyrrhotite is strongly associated with chlorite clots within the veins.
138.10	152.06	15	2	0	0	1	0	0	0	37	24	4	0.2	2.0	6	2 chl	2.7	5.0	Major - 15, Minor - 50	S	10.0	K, Chl, Qtz	2	0	1.0	-	-	-	0.01	-	-	-					Interval of medium to fine grained granodiorite with clear alignment of biotite grains indicating that strain has taken place. Carbonate microveins are the most numerous vein type and cross-cut all other textures. A good example of a primary quartz veins veing fractured and overprinted by later carbonate and very fine grained sulfide is present @147.72m (Photo 1, July 27). Quartz veins very between no selvedges when they are quartz only to extensive k-spar and chlorite alteration in examples with chlorite in the veins. Minor biotite grain "strings" or groupings are also present. It is not clear whether these represent a vein stage or are related to the strain event on the host granodiorite. Carbonate on fracture surfaces.
152.06	157.26	30	1	0	0	2	0	3	0	17	17	3 py	2.1	7.2	-	-	-	-	0 to 30	G	40.0	Carb	4	0	0.5	-	-	-	0.01	-	-	-					Interval of intense carbonate veining with minor associated very fine grained sulfides (assumed to be pyrite). Carbonate veins are typically low anfle and are sometimes perpendicular to the core axis. Vein geometries show examples of pull apart structures in veins @152.36 (Photo 2, July 27) and 155.67 (Photo 3, July 27). Carbonate in the veins has tan/pinkish tinge to it and is associated with milky white quartz. Carbonate veins are typically 0.1 cm wide. Alteration is typically carbonate rich and stains the core orangish-green. Selvedges extend for several 10's of cm. Carbonate on fracture surfaces.
157.26	166.95	30	1	0	1	0	0	0	0	3	3	1	0.3	0.5	5	4	0.1	0.4	Major - 50 to 80, Minor - 20 to 30	-	-	-	-	-	-	-	-	-	-	-	-					Zone of relatively fresh granodiorite with aligned bioties (strained) medium to fine grained. Minor sericite alteration of feldspar grains. Veining within the interval is restricted to milky quartz veins with no alteraion, minor low-angle carbonate microveins and minor chlorite-quartz microveins. No visible sulfides are present within the interval. Carbonate on fracture surfaces. Single quartz-chlorite alteraion package present within the interval, but no strong sign of the causative vein.
166.95	168.40	60	1	0	1	1	0	2	0	6	6	4	0.7	1.3	-	-	-	-	60	G	10.0	Carb, Ser	4	0	0.1	-	-	-	0.01	-	-	-					Zone of weakly sericite and chlorite altered granodiorite with pink/tan carbonate veining. Very fine sulfides entrained in the pink/tan carbonate. Carbonate veins are typically 0.1cm thick but can be as large as 0.7cm. Thickest veins have pronounced carbonate-sericite alteration. Carbonate on fracture surfaces.
168.40	182.84	20	1	0	1	1	0	0	0	21	19	4	0.2	1.5	2	2	0.5	0.8	Major - 20 to 50, Minor - 70	G	2.0	Carb	1	0	-	-	-	-	-	-	-	-					Interval of weakly sericite and chlorite altered granodiorite. Carbonate micro-fracture veins of white carbonate are the dominant vein set and are typically low angle to the core axis. No sulfides associated with carbonate (why is the pink/tan carbonate associated with sulfides yet the white carbonate is not?) Minor veins are K-spar and quartz @171.52 and form a texture in which they are felsic lenses in an area of biotite schleiren (Photo 4, July 27). Carbonate on fracture surfaces.
182.84	196.04	20	1	0	1	0	0	0	0	15	13	4 sulfides	0.2	1.0	1	5	0.1	0.1	Major - 20 to 60, Minor - 0	S	3.0	Carb	3	0	0.01	-	-	-	trace	-	-	-					Interval of mildly sericite altered fine to medium grained granodiorite with carbonate veining throughout the interval. Very fine grained sulfides (assumed to be pyrite) are present in the carbonate veins in trace amounts A single quartz-chlorite vein is present as a microvein which runs parallel to the core axis. A single quartz vein (purple quartz) with no alteration is also present. Carbonate on fracture surfaces. N.B. Large interval since 140m with no pyrrhotite mineralization.

Comments

["Lithology" ; *"Colour", "Texture" (Grain Size), "Alterations" (Weathering), "Structures" (Fracturing, Deformation, Veining), "Mineralogy" (Modal Percentages, Paragenesis), "Habit", ...*]

["Veins" ; *"Mineralogy", "Measurements", "Structure (Cross-cutting Relationships)", "Texture", "Alteration", "Weathering", "Phases", ...*] ["Selvage" ; *"Alteration", "Colour", "Measurements", "Structure", "Texture", "Weathering", "Phases", "Mineralogy", ...*] ["Sample Dimensions" ; *"Height x Length x Width", "Specific Gravity", "Fracture Angles", ...*]

196.04	209.35	30	1	0	1	0	0	0	0	38	35	4 pink/tan	0.9	4.6	3	5	1.0	1.5	Major - 30 to 80, Minor - 60	G	2.2	Carb	2	0	-	-	-	-	-	-	-	-
209.35	221.59	20	1	0	1	1	0	0	0	20	20	4 sulfides	0.7	4.9	-	-	-	-	20 to 60	G	12.0	Carb, Ser	2	0	0.1	-	-	-	trace	-	-	-
221.59	222.94	20	1	0	4	0	1	4	0	3	2	4	1.4	2.0	1	1	0.8	0.8	Major - 80, Minor - 30	See notes on alteration					-	-	-	-	-	-	-	-
222.94	227.73	30	1	0	1	0	0	0	0	23	22	4	1.4	4.0	1	1 pyrr	0.9	0.9	10 to 80	G	30.0	Carb	3	0	0.1	5.0	-	-	0.01	-	-	-
227.73	232.19	40	2	0	3	0	0	3	0	11	11	3 sulfides	2.1	6.5	-	-	-	-	0 to 40	See notes on alteration					5.0	-	-	-	0.1	-	-	-
232.19	234.15	80	1	0	0	0	0	0	0	10	2	3 pyrr py	1.1	1.7	8	4	0.1	0.5	Major - 10 to 40, Minor - 0 to 30	G	68.0	Carb, Ser	5	0	5.0	30.0	-	-	1.0	-	-	-
234.15	241.87	70	1	0	1	0	0	0	0	19	1	3 pyrr py	2.2	2.2	16	4	0.1	1.0	Major - 40, Minor - 10 to 30	G	17.0	Carb	2	0	15.0	15.0	-	-	0.5	-	-	-
241.87	244.45	20	2	0	1	1	0	0	0	18	2	3 pyrr py	0.3	0.6	15	4	0.3	1.0	Major - 15+30, Minor - 10 to 80	G	45.0	Carb, Ser	3	0	5.0	2.0	-	-	0.1	-	-	-
EOH																																

Interval of fine to medium grained granodiorite with moderate alignment of biotite grains. Carbonate (pink/tan) dominates the veining within the interval. Photo 1, July 28 shows the multiple cross-cutting relationships within the carbonate vein set. These veins are all likely very closely related temporally due to similar mineralogy and morphology @201.03m. Photo 2, July 28 @201.76m show a type 5 vein being cross-cut by a carbonate micro-vein. The presence of one of the type 5 veins is marked on by the alteration selvedges of the vein type, k-spar and chlorite. Pink/tan carbonate vein @ 204.38m contains stringer of very fine grained chlorite.

Interval of mildly sericite and chlorite altered granodiorite, medium grained. Carbonate veining is the only veining present in the interval and carries very fine sulfides (pyrite?). Pyrite occurs as stringers through the carbonate veins (pyrite later than carb).Veins have noticeably more pronounced alteration selvedges compared to other intervals with only carbonate veining. Carbonate on fracture surfaces.

Interval of carbonate and sericite altered granodiorite. Primary igneous textures remain but are heavily altered. Carbonate is pink/tan coloured. Milky white quartz vein also present in the interval. No visible sulfide mineralization.

Zone of mildly sericite altered granodiorite with carbonate veining. Carbonate veins contain trace amounts of very fine grained sulfides. Carbonate is less pink/tan and is more white in colour. Orientations on veins vary wildly between 10 and 80 degrees. An example of a low-angle carbonate vein terminating against a high-angle carbonate vein is seen @226.67m (Photo 3, July 28). A single quartz vein in the interval is pyrrhotite bearing. This is the first pyrrhotite for around 90m in the hole. Note that granodiorite has alignment of biotite grains but generally appears to be less strained than in some of the previous intervals. Link between less strained granodiorite and presence of pyrrhotite mineralization?

Interval of carbonate and sericite altered granodiorite. Primary igneous textures are largely intact but are altered. Veining is exclusively pink/tan carbonate, quartz and very fine grained pyrite. Both quartz and calcite in the veins contain vugs in multiple examples (Photo 4, July 28 @230.67m). Veins vary between 40 degrees and perpendicular to the core axis. Carbonate on fracture surfaces.

Photo 5, July 28 - Pyrrhotite, quartz, carbonate vein @232.35m. Photo 6, July 28 - Pyrrhotite, quartz, carbonate vein @ 233.44m. Interval is based around 2 quartz, carbonate, pyrrhotite veins in the photos above. Host granodiorite is altered for more than 60% of the interval due to carbonate-sericite alteration halos on main veins. Minor carbonate stringers in the alteration halos. Pyrite also present in the veins with pyrrhotite. In areas of no alteration host granodiorite is fresh and shows no real alignment of biotite (i.e. no strain).

Photo 7- July 28 - Pyrrhotite, pyrite, quartz, carbonate vein @239.74m. Vein in photo has moderate alteration selvedges of carbonate. Single low angle chlorite microfracture vein. Single purple quartz vein with no alteration selvedges. Remainder of veins are carbonate microfracture veins. Host granodiorite is fresh with some minor sericite alteration in places. Pyrrhotite vein looks very similar to pyrrhotite vein in previous interval but with muss less intense alteration. Does pyrrhotite post-date carbonate-sericite alteration?

Photo 8, July 28 - Pyyrhotite, Pyrite, carbonate, quartz vein @242.12m. Interval of carbonate veined granodiorite. Granodiorite is fresh in areas of no veining but carbonate altered around carbonate vein swarms. Pyrrhotite is present in veins with quartz but not present in carbonate only veins. Carbonate on fracture surfaces. Carbonate microveins show anastomosing random orientations. Hole appears to have ended in a zone from 220m where mineralization has returned to the hole along with less strained appearing granodiorite. A single highly silicified vein with no mineralization is present.
End of Hole: 244.45m

FeOx Scale		Weathering		Si Scale		Ser, Chl, etc Scale		Carbonate		Selvages		Ox. State	
0 =	Unoxidized	OVB	Overburden	0 =	No Silicification	0 =	Unaltered	0 =	No Effervescence	0 =	No Alteration	0 =	No Ox Sulphides
5 =	Intensely Oxidized	WTH	Weathered	5 =	Intense Silicificati	5 =	Intensely Altered	5 =	Strong Effervescence	5 =	Strong Alteration	5 =	All Sulphur Oxidized

Selevage Alteration			
chl =	Chlorite	q =	Quartz/Silica
k =	K-Spar	cb =	Carbonate
s =	Sericite	cc =	Calcite
bt =	Biotite		

Fracture	
1	<10%
2	10-30%
3	30-50%
4	>50%

Selvage
Gradual
Sharp
Undulating
Banded

Grain Size
Fine
Medium
Coarse

Vein Type			
1 =	Quartz	4 =	Carbonate
2 =	Quartz/K-Spar	5 =	Quartz/Chlorite
3 =	Quartz/Carb	6 =	Sulphide +/- Qtz

Rock Type							
Sedimentary	SED	Metasedimentary rock	Granodiorite	GND	Undifferentiated Granodiorite	Dykes	APL	Aplite Dyke
	PHYLL	Phyllite		FGND	Fine Granodiorite		FDYK	Felsic Dyke
	QTZITE	Quartzite		MGND	Medium Granodiorite		MDYK	Mafic Dyke
	HNFLS	Hornfels		CGND	Coarse Granodiorite			
				AGND	Altered Granodiorite		SKN	Skarn
				VNGND	Sheeted Vein Granodiorte			

Veins			Shear
	QV	Quartz Vein	
	VN	Undifferentiated Vein	
	QCV	Quartz-Carb Vein	
	QFV	Quartz-Feldspar Vein	
	CBVN	Carbonate Vein	Fault Related

Zonte Metals		2017		Drill Hole #: MJ17-03				Zone of Deposit: Two-Flow		Orientation: 330° 55° Dip									UTM (Projected Coordinate System; NAD83, Zone 8N):									Date: July 29, 2017				Comments
Intervals		Fracture		Alterations (0-5)						Veins									Selvages					Sulfides					Oxides & Tungstates			["Lithology" ; *"Colour", "Texture" (Grain Size), "Alterations" (Weathering), "Structures" (Fracturing, Deformation, Veining), "Mineralogy" (Modal Percentages, Paragenesis), "Habit", ...*] ["Veins" ; *"Mineralogy", "Measurements", "Structure (Cross-cutting Relationships)", "Texture", "Alteration", "Weathering", "Phases", ...*] ["Selvage" ; *"Alteration", "Colour", "Measurements", "Structure", "Texture", "Weathering", "Phases", "Mineralogy"* ...] ["Sample
From	To	Fract Angle	Fract. Intensity	Oxide (ox)	Sericite (ser)	Chlorite (chl)	Clay (arg)	Carb (carb)	Silicification (Si)	# of Veins	#/interval(Major)	Type_major	Max_cm	Total(Major) cm	#/interval(Minor)	Type_Minor	Max. (cm)	Total(Minor) cm	Vein Angle	Selvage Contact	Max (cm)	Alteration	(0-5)	Ox. State 0-5	Pyrite	Pyrrhotite	Arsenopyrite	Other Sulfide	Total Sulfide %	Limonite (Goethite, Hematite, ...)	Scheelite (Wolframite, ...)	Other Oxide (Grossan, Scorodite, ...)	
0.00	1.50																															Casing Oxidized component to ruddy granodiorite. Some pebbles from over burden in the rubble. Most rock is oxidized, non-stained granodiorite. Oxidation is pervasive. Qtz, AsPy, Py vein
1.50	2.87																															is the most signifigant mineralization in the interval. More sulfides than qtz. AsPy is disseminated out into the alteration selvedges. AsPy microveins are also present in the selvedges and 'burst' out of the vein into blooms of larger AsPy grains. Dark oxides fill the fractures in the internal (suggesting the presence of sulfides in the fractures). Alteration associated
2.87	10.71																															with sulfide mineralization is sericite and carbonate. Micrpvein carrying qtz + Py also present in the alteration selvedges of the Qtz-AsPy veins. Ave Pyrr + and AsPy mineralization Interval of fresh granodiorite, edum grained. Oxide showing on fracture surfaces but no evidence of sulfides filin the fractures. AsPy + Py present in 0.1cm wide qtz vein @8.14m. Pyrr is present in the interval with no color association to any vein - disseminated. Best examplel @6.16m. Qtz-Chl vein @3.99m shows some alignment in the chlorite-almost as if it is foliated, but no other in internal - xenoliths rather than vein? Dark silicate micro-veins are present as a vein sworm @9.48m and round out the remaining veins in the interval.
10.71	11.23																															Interval of Carbonate altered granodiorite with a qtz-AsPy as the main focus of the interval. An oxide microvein and a carbonate micro-vein with Pyrr are the only other veins in the interval. Curious that so far Pyrr mineralisation is found so closely related spatially to AsPyr mineralization. AsPy is rooted around grain margins. Some minor Py also present as
11.23	17.04																															Interval of fresh to mildly sericite altered granodiorite with no alingment of biotite. Veining is dominantly qtz + chl with k-spar + chl alteration selvedges. Py, atz + minor AsPy vein @14.59m in area with low-angle oxidozed veins which react to HCl (oxidized carb+sulfz), a few biotite micro-veins throughout the interval, which in places cross-cut and off-set qtzveins. Oxides with carb on fracture surfaces. Disseminated Pyrr mineralization near biotie micro-vein @12.20m.
17.04	20.32																															Interval of carbonate altered granodiroite as alteration selvedeges around 4 qtz + py +/- AsPy veins. Interval is alrgely carbonate altered but has sections of fresher granodiorite away from veins. Sulfide veins vary from qtz-py dominant to qtz + Aspy dominant. A Pyrr + atz vein is present within the alteration slevedges of an AsPy rich vein (texture is also noted above). Sulfides are generally concentrated along the margins of the qtz veins, indicating that they are likely post-qtz and are over-printing. An amphibole vein (dark green) is present in the interval with a k-spar + chl alteration selvedge. Na minerals sillicon to chlorite minerals of varrying oxidation are also present in the interval and are concentrated in area of
20.32	23.97																															Interval of fresh to mildly sericite altered granodiorite with qtz + pyrr +/- py veining and a series of reddish-purple qtz (?) vein swarms with pyrr in association with chlorite (photo 1, July 30@23.80m). Qtz + pyrr + py veins (not reddish-purple qtz) are concentration in areas of carbonate altered granodiorite. Reddish-purple qtz veins are most commonly in fresher granodiorite. Zone of intense oxidation between 22.27m and 22.88m, fractures are covered in oxides and contain remnant qtz from veins oriented on fracture planes. pyrr is present in areas with no clear vein association and is associated with chlorite. some minor aspy present, dissaminated in areas of carb alteration.
23.97	29.02																															switch to rapid cath-sulfide veinlog @23.97m. Fresh granodiorite with some oxide staining on fracture surfaces, no sulfides.
29.02	29.40																															Carbonate altered gnd. Qtz + pyrr +pyrite vein 6cm wide @29.13m - picture 1, July 30.
29.40	34.18																															Fresh granodiorite with oxidized staining on fracture surfaces. Some carb alteration selvedges on view. No visible sulfides
34.18	34.71																															Carbonate altered and silicitized gnd with qtz-chl-pyrr vein -1mm wide @34.33m -photo 2. Oxidized pyrite vein 2mm wide @34.57m (photo 3, July 30). Qtz + pyrr vein -1mm wide
34.71	38.93																															July 30 @34.64m(photo 4, July 29) Fresh granodiorite with oxidized carbonate on fracture surfaces. Some carbonate alteration selvedges on veins have very minor dissimonated pyrr within vein. Minor pyrr-qtz microveins
38.93	39.88																															Carbonate altered and silicified granodiorite. 2mm qtz-pyrite vein @39.07m-photo 5, July 30 @39.48m-photo 7, july 30. minor dissimated pyrite.
39.88	45.31																															Fresh granodiorite-with oxidized carbonate on fracture surfaces. Some alignment of biotite towards end of interval. Single qtz-pyrr vein is the only sulfide mineralization, Photo 8, July 30 @43.80m
45.31	47.14																															Carbonate altered and silicified granodiorite with some strong biotite alignment-stain? Seris of oxidized microveins (sulfides). 2cm qtz-py-pyrr-unkown dark sulfide vein @46.34m - photo 9, July 30. 1cm qtz-py vein @46.90m (photo 10, July 30)
47.14	49.06																															Fresh medium grained granodiorite, no alignment of biotite. No sulfide bearing veins
49.06	49.60																															Chlorite altered + silicified granodiorite. Oxidized microveins + siliceous microveins are present in the interval. Qtz-pyrr (pyrr is altered) - 6mm wide @49.30m - Photo 11, July 30
49.60	51.56																															Fresh to mildly sercite altered gnd with qtz+/-chl+/-amphibole veins. No Sulfides.
51.56	53.24																															Silicified granodiritoite with oxides on fracture surfaces. Sulfides are generally on margins of vein or just outside. 1.2cm qtz, py vein @52.16m - Photo 12, July 30. Qtz vein with v. minor pyrr @52.71m - photo 13, July 30. Pyrr - qtz vein 7mm wide @52.84m - photo 14, July 30. Disseminated pyrr in core @52.91m - photo 15, July 30. Qtz vein with pyrr in the immediate vacinity-9mm thick @53.12m - photo 16, July 30.
53.24	55.04																															Interval of k-spar + amphibole alteration as a result of low-angle amphibole vein - photo 17, July 30. Vein is 1.8cm thick and is the dominant feature of te interval. No sulfide mineralization.
55.04	58.89																															Fresh medium grained granodiorite with a single pyrr +qtz+minor calcite vein -**3mm thick?** As the only visible sulfide mienralization @56.07m - photo 18, July 30. Pyrr vein is associated with silicification of its selvedges.
58.89	59.33																															Silicified granodiorite with 2.3cm Qtz+Py+AsPy vein @59.12m - photo 1, July 31.
59.33	63.29																															Fresh, medium grained granodiorite fracture by low angle **eub?** Veins. Qtz micro-and chl micro- veins also present.
63.29	63.73																															Silicified + carbonate altered granodiorite around single-milky qtz veins. Milky qtz vein @63.54m is 1cm wide and is pyrr-bearing - photo 2, July 31.
63.73	64.21																															Fresh to mildly sercitiznd + chloritiznd medium grained gnd, altered 10cm interval @64.30m around oxidized carb+qtz vein. Some mily qtz and chl micro-veins.
64.21	65.67																															Carbonate +sericite altered (near vein) and silicified (distal to vein) altered granodiorite. Py + Qtz + AsPy + Pyrr vein, 5cm thick is the dominant feature in the interval - photo 3, July 31. Sulfide veins throughout the altered sercite of the core
65.67	71.43																															Fresh, medium grained gnd with Chl microveins + qtz veining, typically mm's thick but single 5cm example @71m. No visible sulfides.
71.43	75.68																															Highly altered granodiorite. Carbonate sercite alteration is associated with qtz-pyrr-veins - good example @73.99m-6mm thick which is cross-cut by carbonate vein- photo 4, July 31. The carbonate sercite event is over-printed by an oxidized carbonate event **SOMETHING** is removing sulfides from qtz veins to create qtz-carb veins with SOMETHING. Nice
75.68	78.25																															Fresh medium grained gnd with mild ser alteration. Some tan colored carbonate veining, purple qtz veining and some chl-qtz microveins. No visible sulfides
78.25	78.61																															Silicified + mildly carb altered gnd. Qtz-pyrr vein - 5mm thick is the. Dominant feature in the vein, there are abo qtz-pyrr. Microveins within the altered interval. Oxidized fracture is present in the middle of the interval. Photo 6, July 31- 5mm thick qtz-pyrr vein @78.37m.
78.61	79.61																															Fresh, medium grained gnd with a single carb-chl vein.
79.61	80.80																															Fault gorge bounded, upper + lower interval of sercite +carbonate altered gnd with carb+qtz +/- veining (carb may be over-printing qtz). Core is oxidize around micro veins and fractures. No visible sulfides.
80.80	81.48																															Fresh, medium grained granodiorite which is silicified + oxidized around a 5cm thick pyrite + AsPy + Galena vein @81.32m - Photo 7, 8 +9, July 31. This vein is the only sulfide mineralization in the interval.
81.48	85.97																															Fresh medium grained granodiorite with oxidized fracture surfaces. Minor micro-veining with silicified alteration selvedges. No sulfides present
85.97	86.84																															Oxidized fresh to carb-sericite altered gnd around qtz-py vein rubble @86.20m - 1.4cm thick- photo 10, July 31. Oxidized fractures throughout the interval.
86.84	88.29																															Fresh, medium grained granodiorite with a singke qtz-chl microvein. No visible sulfides
88.29	88.74																															Carbonate altered a nd silicified granodiorite vein is missing, only oxidized microveins selvedges remain in fracture where vein should be. Disseminated Pyrr, py and AsPy in alteration selvedge around the vein. Disseminated Pyrr @88.41m-photo 11 July 31, disseminated py+AsPy @88.58m - photo 12, July 31
88.74	92.33																															Fresh to mildly sericite granodiorite with oxidized carbonate on fracture surface, single purple qtz + kspar vein is present. No visible sulfides in the interval
92.33	92.66																															Carbonate altered (vein proximal) + silicified (vein distal) gnd. Two milky qyz veins bearing streaky chl. Milky qtz vein @92.46m is pyrr-bearing - photo 13, July 31. Oxides on fractue surfaces
92.66	94.13																															Fresh to mildly chloirte + Sercite altered granodiorite. Single Qtz + chl vein in the interval oxides on fracture surfaces. No visible sulfides
94.13	94.67																															Carbonate +sercite altered granodiorite. A carbonate-qtz-pyrr veins -1.2cm wide @94.37m- photo 14, July 31, is the most signifigant mineralization in the interval. Dissemminated pyrr is also present in the alteration selvedges. e.g. @94.30m -photo 15. July 31.
94.67	96.03																															Fresh, medium grained gnd with carbonate microveins and associated greenish bleaching of the gnd in their alteration selvedges.
96.03	96.82																															Oxidized gnd with "shugary" qtz vein @96.32m Fault gorge @96.49 is 10cm wide and is oriented @70 degrees to core axsis
96.82	101.23																															Fresh, medium grained granodiorite with low angle carb veins, chl-qtz microveins and a single purple qtz +chl vein. No visible sulfides. Oxidized carbonate on fracture surfaces.
101.23	101.81																															Chloritized + carbonate altered gnd. Veins responsible for chl alteration appear to be two mm-scale quartz veins. Numerous carbonate microveins are present in the interval. No visible sulfides. Some micro qtz-chl veining also present.
101.81	104.86																															fresh to mildly sercite + chlorite altered granodiorite with carbonate micro-veinin. 20cm patch of carb alteration around thicker carb vein, alteration starts @103.02m. Oxidized Carbonate on fracture surfaces. No visible sulfides.
104.86	105.91																															Silicified (vein proximal) and carbonate altered (vein distal) . Py-pyrr-carb vein @105.64m-1.4cm thick - photo 16, July 31. Minor pyrr in an anastomizng qtz vein-2mm thick @105.51m(photo 18, July 31. Py+carb vein -1mm thick @105.41m -photo 17, July 31.
105.91	109.04																															Fresh to mildly sericite + chlorite altered medium grained granodiorite. Carbonate micro-veins are the dominant mineralisation in the interval. 1.2cm thick py-pyrr-aspy vein @107.55m -photo 19, July 31, has silicified alteration selvedges with sulfide stringers on the selvedges. 2.7cm wide pyrite
109.04	109.70																															Fresht to mildly sercite + chlorite altered, medium grained granodiorite. Single qtz vein 7mm wide with qtz +kspar alt. No visible sulfides.
109.70	110.35																															Carbonte altered (109.70-109.75m) + solicified granodiorite (109.75m to 110.35m). Carbonate veins - 4mm thick ahs minor pyrite - photo1, Aug 1 @109.80m. Carbonate micro + chlorite micro veins concentrated in silicified granodiorite.
110.35	111.22																															Fresh to mildly sericite altered, medium grained granodiorite. No visible sulfides
111.22	111.50																															Fresht o mildly sericite altered medium grained granodiorite with two qtz-chl veins with chl alteration selvedges. Carbonate micro veins cross-cut all other textures.
111.50	112.26																															Fresh to mildly sericite +chl altered granodiorite. Single felsic dykeley in the interval 2cm thick - qtz, kspar+biotite. Qtz-chl vein -1mmthick, no visible sulfides
112.26	114.48																															Carbonate altered + silicified granodiorite. Curious qtz-chl-silicified zone @113.44m-photo 2 aug1. Pyrite+carb in 1mm fracture @113.02m- photo 3, Aug 1. Pyrite +aspy+qtz @113.30m - vein splays into two near apex of vein. Pyrite spaltered amongst the arstenopyrite-2.8cm max on vein-photo 4, aug 1. Disseminated Arsenopyrite in alteration selvedges @113.43m-photo 5, Aug 1. Pyr associated with chlorite vein large purple qtz vein @113.54m-photo 6, Aug 1. Pyrite +aspy+carb vein overprinting purple qtz @114.38m-1.2cm thick -
114.48	118.56																															Fresh to mildly sericite + chlorite altered granodiorite with carbonate microveins, 2 qtz+kspar veins and 2 milky qtz veins. Qtx-chl vein is pyrr bearing @117.52m-7mmthick -photo 8 Aug1. Carbonate and chlorite altered granodiorite with a pyrite-aspy-qtz vein and a pyrite-aspy-dark sulfide-qtz vein. Pyrite-aspy-qtz vein @118.81m -3cm thick -Photo 9 Aug 1. Pyrite-aspy-
118.56	119.26																															dark sulfide-qtz vein @119.00m-1.5cm thick-photo 10, Aug 1. Disseminated aspy+py-aspy stripes also in photo.
119.26	121.00																															Fresh to mildly sericite altered granodiroite with single qtz-kspar dykeley - vein let. Carbonate micro fracture veins also present but not very numerous.
121.00	121.72																															Silicified grnodiorite with qtz-py-aspy vein overprinting. Earlier qtz vein @121.15m -1.4cm thick - photo 11, Aug 1.

121.72	124.52	Relatively fresh gnd, 1 qtz/carb microvein (123.15) minor pyrr in veinlet. Otherwise fresh.
124.52	125.59	Alt gnd, w. qtz-py vein (1cm) @124.70m 1qtz/carb/pyr micro veins in last 30cm & 2 qtz/pyr veinlet, chl altered, qtz vein ~125m. No sulphides in it.
125.59	126.46	Slightly alterd gnd, sercite, 1 micro qtz/chl vein. Chl zone (minor) ~126.30-35m
126.46	127.49	Zone with a number of veins. One 3cm qtz, py/pyrr/aspy vein with minor diss pyrr, aspy in halo, +0.5cm qtz, py, asp, pyrr vein (126.55) with diss pyrr/aspy in chl halo), qtz/carb veinlets, parallel to veins & ????
127.49	129.05	Fresh to alt gnd, purple qtz vein (no sulphides) chloritic alt gnd with minor diss phyrr.
129.05	129.56	qtz/phyrr vein (0.5cm) @129.10, qtz/py/aspy vein ~ 129.40 (pics) with minor diss aspy in halo. Chloritic alt gnd
129.56	130.53	Fresh gnd, with one carb/phyrr veinlet ~ 130m. Chlorite halo. Halo has diss pyrr.
130.53	131.81	Fresh gnd, with one subtle purple qtz vein, no sulphides
131.81	133.00	3cm qtz/py/aspy vein @131.90m. Minor diss pyrr (?) in halo. Halo is chl ~2.5cm Chl micro vein@132.70, py/aspy vein 132.89; 1.5m wide, white& clear qtz, & small 4,, wide qtz vein w pyr 132.85. chl alt + silicification
133.00	133.08	Zone of gnd, fresh, but with 4 small qtz veins. Only one with suphides. This one is a carb/qtz with pyrr. Halo has minor diss pyrr. Halo ~ 2cm
133.08	134.63	Six veins. 1py/qtz, chl/carb veins, 1 with pyrr (?), halos on one 12cm. Not much diss sulphides
134.63	135.79	fresh gnd with 3 to 4 silicified zones, no visible sulfides. /qtz/carb vein.
135.79	136.55	Fresh gnd with one or two purple qtz (?) veins. Chl alt in vein halo, no suphides
136.55	137.46	7 veins; qtz/carb veins, with altered halos,posible minor pyrr in one or two.
137.46	138.99	fresh gnd in top half, chl alteres with qtz/pyrr veins (?) in bottom half
138.99	140.20	fresh gnd with 2 weakly developed qtz veins, no visible sulfides
140.20	141.18	3 narrow sulphides veins; 1 qtz/cab pyrr, 1 qtz/pyr, aspy/carb vein with minor diss py
141.18	142.04	fresh gnd, then qtz carb vein 4mm, q diss py(?) in veins, chl alt, zome *0% of bottom interval. Large 5cm qtz/py/aspy/pyrr vein (pics). See diss aspy + py(?) in halos, see aspy along a perpendicular qtz vein to the large vein.
142.04	143.02	zone with 2 altered zones, 1st alt zone = 3mm wide qtz/carb pyrr vein with 5cm halo, 2nd zone chl/carb, no sulphides
143.02	145.32	Fresh zone, 1 micro qtz(carb vein, purple qtz 0.5cm) cross cut by a numerous late purple qtz vein, no sulphides.
145.32	148.86	Fresh zone, one minor qtz vein.
148.86	147.76	qtz/carb with py, aspy +pyrr. Diss sul in alt zone, halo up to 10cm, vein 2-4mm wide.
147.76	148.62	Fresh gnd with one qtz vein (no sulfides) 1mm wide vein end of sample, halo is 1cm, silicified
148.62	149.66	fresh gnd, with qtz monozite? Zone about 30-40 cm thick, 1 qtz micro vein in monozite
149.66	150.39	qtz carb vein with py,qtz py/aspy ven (0.5cm), in silicified+ chl halo zone, 1/2 zone is alt. did not see diss pyrr
150.39	151.82	fresh gd
151.82	152.58	qtz vein (1cm) ~151.90, no sulphides; qtz vein (3cm wide) with 3cm halo near bottom, minor aspy, py & pyrr in vein, minor diss sulphides
152.58	154.08	fresh gd with several 0.2-0.4cm qtz veins (purple looking)
154.08	155.30	fresh gd with a couple small alt zones with minor py n pyrr in them
155.30	156.31	Zone with 5cm wide qtz py/aspy vein. Py on one side & w aspy & on the other side just aspy. Minor diss sulphides in halo. Carb vein in mix as well, minor alt (chl +silic) on bottom.
156.31	157.80	Fresh gnd
157.80	159.30	Fresh gnd
159.30	160.61	Fresh gnd
160.61	161.14	has 2 veins, 1 py/pyrr 1cm wide & 2nd qtz (white +clear) with minor pyrr veins are parallell + 1cm apart, wide chl halo, no diss sulphides
161.14	162.24	Alt zone with 35-40cm a # of fine veins- siliceous, no sulphides. Carbonate alt in zone of chl zone.
162.24	163.37	Alt for ~8-% of interval. One 1.5cm qtz vein with pyrr + py. Minor diss near vein. Chl alt of carb alt
163.37	164.87	fresh gd with 4 qtz veins, 1 dark carbonate veina lt. Qtz veins are more like greenish silicatious v. a qtz vein
164.87	165.73	majority of intervak is alt, not sil+chl, minor carb. One 0.8cm dull white qtz vein w/ pyr + pyrr
165.73	167.25	fresh gd
167.25	167.90	zone has 2.5cm assive sulphide vein near end of sample. Most aspy+py minor py+pyrr. Alt halo is 12-15cm in one side. Pic of vein with depth of next sample marker. Diss pyrr in halo. Zone is 50%alt
167.90	169.46	fresh gd w one qtz pyr (?) micro vein @end of smaple
169.46	170.86	fresh gd
170.86	171.36	zone has 1qtz vein 0.3cm wide w py, aspy + pyrr. A;t halo is 4cm eiter side. Did not see diss sulphides
171.36	172.86	fresh gd
172.86	173.46	has 2 sulphide vein. About 7-8cm apart. Frst is 2.0cm wide with yellowish py+aspy. 2nd is qtz/py vein (yellowish py) ~3-4mm wide.
173.46	179.58	fresh gd
179.58	175.17	2 cm qtz vein in sample centre, whiteish + clean with aspy, nearly aspy. Minor diss close to vein. 5cm chl/carb halo. Pic wit scribe
175.17	176.83	2cm qtz vein with aspy + pyrr. Probably 20% of vein is sulphides. Minor diss close to vein, chl alt ~5cm. Halo is also silicified. **SOMETHING** on selv.
176.83	177.71	Fresh gd
177.71	179.19	Fresh gd
179.19	180.33	Fresh gd
180.33	180.83	1.0 cm qtz vein with py + aspy. Diss aspy + pyrr in 5cm halo, halo os silicified with chl color.
180.83	182.07	fresh gd
182.07	182.57	3cm wide qtz (clear+white) vein with 50% sulphides (80% py/20%aspy) . Aspy is also along selv, but in halo. (pic with assay + ay)
182.57	184.10	fresh gd, carb fractures (minor) about mid sample. May have pyrr.
184.10	185.60	fresh gd
185.60	187.10	fresh gd
187.10	188.40	fresh gd
188.40	189.30	1 cm qtz vein with aspy + py. Qtz 1) cloudy to white, minor diss aspy in halo. Halo is 5cm, chl/sil on one side + 10c, wide chl/sil on other
189.30	190.80	fresh gd
190.80	191.45	2 veins; 1 qtz carb with little to no sulphides, 2nd is qtz veinlet, no sulphides
191.45	192.95	fresh gd with one veinlet (looks like biotite on chl). A couple slightly altered zones with what looks like purple qtz.
192.95	194.45	fresh gd
194.45	195.48	fresh g with one 2mm qtz/pyrr vein w. carb/ chl alt halo (3cm)
195.48	196.90	fresh gd, with 5-10cm chl alt zone @end
196.90	198.40	fresh gd
198.40	199.28	fresh gd
199.28	199.78	2 microveins with halos. 1 has pyrr (1mm) with 4cm halo. 2nd is just qtz, very fine.
199.78	200.19	2 veins. 1st 1.5cm wide qtz with aspy +py (20% of vein), has 3cm halo which is chl, no diss sul in halo. 2nd vein is 1.5cm w/ aspy on one sel & pyrr in other. 10-15% sulfides. No pyrr. Halo is 4-6cm. chl. no sulphides.
200.19	201.69	fresh to slight chl alt gd. One qtz microvein, no silphides
201.69	203.19	fresh gd, one qtz micro, no sulphides. Halo is 2cm
203.19	203.64	fresh gd. Minor chl alt zone

From	To	Description
203.64	204.14	zone with 2 qtz microveins w chl alt halo, no visible sulphides. Zone is siliceous as well.
204.14	205.34	fresh gd
205.34	206.40	fresh gd
206.40	207.73	alt zone, clay, rubbly, bleached, lots of clay, no sulphides. At base of zone, chl/carb veins (?). Carbonate throughout clay zone. No sul.
207.73	208.30	chl alt, carb zone. Bleached in same places, no sul.
208.30	209.08	zone with. Several clay/chl/carb zones. One is 30cm wide. Silicification as well
209.08	209.92	zone with 3 alt zones, one has 3mm qtz vein w. minor pyrr
209.92	211.42	fresh gd
211.42	212.86	fresh gd
212.86	213.67	fresh gd
213.67	214.27	Alt zone, with 4mm pinkish qtz vein, no sulp. A 2cm w/ 60-70% py, has white qtz (3mm) vein on one selv. Zone is 90% alt + bleached
214.27	215.20	alt zone with 1 qtz microvein w/ v. fine py/qtz carb vein w/ no sulph, zone is 75% alt. Halos + chl alt.
215.20	216.68	fresh zone w/ a couple small microveins. No sulphides. One qtz vein, but fresh
216.68	217.43	alt zone, rubble, clay gouge. Carb+chl Alt thorughout. Bleached in places.
217.43	218.93	fresh gd
218.93	220.43	fresh gd
220.43	221.93	fresh gd
221.93	223.43	fresh gd
223.43	224.43	fresh gd
224.43	236.45	fresh gd
236.45	237.05	zone with 15cm aalt zone, chl. One qtz vein 3mm (clear + cloudy) \, but no sulp. Also a simple qtz microvein with ppyr
237.05	237.75	fresh gd
237.75	238.75	zone with 20cm of chl/carb alt. has a 1cm qtz pyr/asp/pyrr vein. Also along core colis from vein is a carbonate veinlet with pyr. Its about 5cm. No diss sul
238.25	239.60	fresh gd
EOH		End of Hole: 239.60m

FeOx Scale		Weathering				Si Scale		Ser, Chl, etc Scale		Carbonate		Selvages		Ox. State	
0 =	Unoxidized	OVB	Overburden	FSH	Fresh	0 =	No Silicification	0 =	Unaltered	0 =	No Effervescence	0 =	No Alteration	0 =	No Ox Sulphides
5 =	Intensely Oxidized	WTH	Weathered			5 =	Intense Silicification	5 =	Intensely Altered	5 =	Strong Effervescence	5 =	Strong Alteration	5 =	All Sulphur Oxidized

Selevage Alteration			
chl =	Chlorite	q =	Quartz/Silica
k =	K-Spar	cb =	Carbonate
s =	Sericite	cc =	Calcite
bt =	Biotite		

Fracture Intensity	
1	<10%
2	10-30%
3	30-50%
4	>50%

Selvage Contact
Gradual
Sharp
Undulating
Banded

Grain Size
Fine
Medium
Coarse

Vein Type			
1 =	Quartz	4 =	Carbonate
2 =	Quartz/K-Spar	5 =	Quartz/Chlorite
3 =	Quartz/Carb	6 =	Sulphide +/- Qtz

Rock Type		
Sedimentary	SED	Metasedimentary rock
	PHYLL	Phyllite
	QTZITE	Quartzite
	HNFLS	Hornfels
Granodiorite	GND	Undifferentiated Granodiorite
	FGND	Fine Granodiorite
	MGND	Medium Granodiorite
	CGND	Coarse Granodiorite
	AGND	Altered Granodiorite
	VNGND	Sheeted Vein Granodiorte
Dykes	APL	Aplite Dyke
	FDYK	Felsic Dyke
	MDYK	Mafic Dyke
	SKN	Skarn
Veins		

Zonte Metals		2017		Drill Hole #: MJ17-04				Zone of Deposit:		Orientation:								UTM (Projected Coordinate System; NAD83, Zone 8N):										Date:			
Intervals		Fracture		Alterations (0-5)						Veins								Selvages					Sulfides					Oxides & Tungstates			
From	To	Fract Angle	Fract. Intensity	Oxide (ox)	Sericite (ser)	Chlorite (chl)	Clay (arg)	Carb (carb)	Silicification (Si)	# of Veins	#interval(Major)	Type_major	Max_cm	Total(Major) cm	#interval(Minor)	Type_Minor	Max. (cm)	Total(Minor) cm	Vein Angle	Selvage Contact	Max (cm)	Alteration	(0-5)	Ox. State 0-5	Pyrite	Pyrrhotite	Arsenopyrite	Other Sulfide	Total Sulfide %	Limonite (Goethite, Hematite, ...)	Scheelite (Wolframite, ...)	Other Oxide (Grossan, Scorodite, ...)
0.00	3.00																														Casing
3.00	5.46																														Oxidized & Fe stained gd, w/ small microveins through top half of sample. At sample bottom 1 micro vein w/ aspy. There are several veins w/ aspy in bottom 15-20m & there is a zone of diss aspy between.
5.46	7.92																														Alt, FeOx, fractured. A 2cm qtz pyr/aspy vein (pic w/ depth label) w/ 3cm halo. Minor diss sul in halo. Several other qtz/sulp veins in sample, but too broken & oxidized to tell what it is.
7.92	8.57																														Fracture & FeOx on fractures. No visible qtz or sulp.
8.57	10.16																														Fresh gd w/ 2 qtz veins @each end of sample. Veins are clean to dull in centre + whitish on selv.
10.16	11.16																														fresh gd w/ FeOx stunning on one fracture plane.
11.16	12.00																														2 40% of zone alt. in alt zone a 1cm qtz aspy vein (oxidized partially) & possibly diss sul along perpendicular fractures from vein. Chl halo up to 5cm. A 1cm qtz vein near bottom of sample. No sulphides. Vein is like others to this point.
12.00	12.80																														Fresh gd w/ 2 possible qtz microveins, no visible sulphides, well dev. Chl alt on one vein, A couple fractures w/ FeOx.
12.80	13.69																														Fresh gd
13.69	14.54																														zone with 30-40cm alt zone. 1 qtz micro vein w/ FeOx along it & diss sul ~3cm outwards. Another small qtz/pyr micro vein. Other fractures as well
14.54	15.12																														zone w/ 3 micro veins w/ chl halos. One halo minor pyrr(?), 2nd does not have sul & third has FeOx on it & possible diss minor sul.
15.12	15.84																														fresh gn w/, 1 FeOx stained fracture & 2 qtz micro fractures w/ minor pyrr (?). Chl halo (1cm) on each of the last two
15.84	16.64																														Zone w/ a 2cm wide qtz vein hesting pyr + aspy. Qtz is dul/sulphides in vein ~ 50%. Approx 1/2 of interval is alt. There are a # of small micro veins in halo. One has minor sul in it.
16.64	17.72																														Fresh gd, one fracture w FeOx.
17.72	18.72																														Zone w/ 2 microveins w/ chl halos. 1st one has 2-3cm halo + sul along vein, 2nd is 6cm wide (total) w/ diss sul. Cant tell sul, but looks like pyrr. There may be a qtz veinlet 20cm up from 2nd, but no halo- may have sul
18.72	19.34																														chl alt ~50%, zone has diss pyrr w/ a # of cross cutting veins w/ pyrr in vein, diss pyrr is probably over the whole alt zone.
19.34	20.12																														zone is 80% alt (chl), minor diss pyrr in top of alt zone, fracture along once axis w/ FeOx. A 0.8cm wide qtz/pyr (30% sul) mid-sample several fractures w/ FeOx below this.
20.12	20.80																														Fresh gb, but a qtz veinlet along core axis w/ minor pyrr. Not much alt, but looks intersting.
20.80	21.63																														Zone is 60% alt, zone has a # of veinlets w/ pyrr, aspy. One qtz vein (2mm) has only aspy.
21.63	23.15																														Fresh gd. One minor chl alt. zone ~15cm inot sample w/minor pyrr. Zone is 1cm wide, minor pyrr in one fracture area.
23.15	24.05																														2 areas of alt. one is 2ndary qtz w/ chl selv. Other is 1cm wide Qtz/aspy/pyr vein. This vein is clear to cloudy w/ 30-40% sul.sample looks like it was put in core box wrong but fitting fracture to others.
24.05	24.95																														50% alt zone has 1cm wide qtz vein w/ aspy + pyr (20%): maybe minor sul in halo(?)
24.95	25.72																														60% alt, 2-3 microveins w/ minor/diss pyrr, chl alt.
25.72	26.88																														fresh gd
26. 88	27.60																														80% alt zone, A # of small 'fleid' like zones, difficult to discern, minor diss pyrr. One 0.4mm qtz vein w/ pyrr.
27.60	28.80																														fresh gd
28.80	29.89																														fresh gd
29.89	30.53																														Zone w/ relatively fresh gd, but numerous fractures w/ crosscutting fracturesw/ FeOx. Also minor diss sul in zone of rock that appears fresh, but assol w/ fractures. Several minor qtz microveins w/ no sul. As well.
30.53	31.48																														Fracture & atl in top half. One qtz/py vein (1cm) which is patially oxidozed
31.48	32.02																														Alt zone 0,5cm qtz/pyr vein in centre of alt zone. 30% sul in vein. Difficult to discover, may have minor diss pyrr. In alt zone.
32.02	32.89																														zone is mostly alt fromchl to minor Fe staining. 2 veins; qtz/py (0.5cm) w/ minor sul & qtz/pyr (0.3cm). Some minor microveins in zone. Some FeOx in fractures along core axis & parallel to veins, especially in bottom end of sample.
32.89	33.59																														Fresh gd w/ Fe Staining in plag (?). Most of last 3-4m has this Fe stain.
33.59	35.45																														This zone has been flooded with silicification + carb (minor) you can see relic microveins, but no visible sul
34.56	35.45																														Fractured Fe stained gd w/ fractures (FeOx). Minor microveins (?) or fluid flour character in one area.
35.45	36.21																														90% chl alt (siliceous too). No single vein, but a # of small ones (minor) which have a # of different orientations. May be some minor diss sul. The zone also has FeOx on fractures.
36.21	36.98																														Zone is 50% alt, pyrr Qtz (2mm) vein @sample top. There appears to be other micro veins in alt zone, but diff to discern. Minor diss pyrr (?) in alt zone
36.98	37.53																														minor alt w/ qtz/ carb vein @ top. Couple fractures w. FeOx
37.53	38.26																														Zone shows alt more silc us chl one minor cal veinlet (1st one down depth). No visible sulphides
38.26	39.65																														40% of vein is chl alt, one 4mm qtz/pyrr vein, minor diss pyr in one area
39.65	41.15																														fresh gd. w/ minor qtz veins
41.15	42.65																														fresh gd w/ a couple qtz veins (?) or zones of alt. one has minor sul
42.65	43.83																														Fresh gd. w/ one minor alt (1cm) zone @ sample end. Has minor fine diss sul.
43.83	44.45																														has one 10cm Alt zone w/ 2mm qtz vein + py.
44.45	45.34																														fresh gd.
45.34	46.18																														95% alt, late qtz/ carb vein vein crosscuts a qtz (along axis), qtz/pyr & possibly another qtz veinlet., much of lower part of alt zone has very fine qtz micro vein w/ pyr (?) & diss pyr in alt zone.
46.18	46.95																														Fresh gd
46.95	47.55																														minor alt in zonw w/ 3 (?) micro veins. Minor sul w/ one
47.55	49.05																														strain zone. GD shows weak foliation. Minor chl alt 1 white qtz vein
49.05	49.30																														foliated w. 2 alt zones, close. 1st is assol w. chl alt & fractures w/ FeOx. 2nd is a carb/pyr vein. (3mm) w/ 2 v.fine pyr (?) veinlets.
49.30	51.30																														fresh gd, 1qtz vein, foliated gd, but weaker than above.
51.30	51.97																														fresh gd
51.97	52.48																														fresh gd. 3cm wide qtz/pyr/aspy vein. Alt hl 6-7cm. No diss sul
52.48	53.13																														fresh gd
53.13	53.64																														no sample missing core
53.64	55.14																														fresh gd, w/ 2 alt zones (2 & 5cm wide) , qtz vein & zone w/ high qtz @ bottom
55.14	56.62																														fresh gd. w/ alt zone (10cm) near bottom. Has qtz microvein w/ pyr
56.62	57.36																														fresh gd. w/ 1cm wide purple qtz vein has alt halo ~2-3cm
57.36	58.08																														zone w/ 3 chl alt zone. 1st two have qtz/pyr micro vein w/ the 3rd having diss pyr (?). Zones are 8-10cm wide.
58.08	59.22																														alt zone for 6% of interval. A 0.8cm pyr/qtz vein, smaller qtz/pyr vein, micro veons & diss pyr & pyrr in alt zone. One vein had minor aspy w/ minor aspy diss along vein.
59.22	59.88																														fresh gd 5 more minor veins along, core axis, these have qtz/ pyrr. Not much alt though
59.88	60.45																														Mildly alt zone w/ qtz vein (white w/ clear running through centre) & has minor sul. No aspy
60.45	61.37																														zone of bleach gd. w/ qtz/carb alt. A # of late (?) qtz veins, some minor sul diss + minor sul on several veins
61.37	62.09																														alt zone w/ a 2.5cm qtz/pyr vein w/ minor aspy (pic). Alt end of vein looks to be a qtz \ pyr cross cutting vein. A # of smaller qtz veinlets below larger vein. Minor sul

Comments

["Lithology" ; *"Colour", "Texture" (Grain Size), "Alterations" (Weathering), "Structures" (Fracturing, Deformation, Veining), "Mineralogy" (Modal Percentages, Paragenesis), "Habit", ...*]

["Veins" ; *"Mineralogy", "Measurements", "Structure (Cross-cutting Relationships)", "Texture", "Alteration", "Weathering", "Phases", ...*]

["Selvage" ; *"Alteration", "Colour", "Measurements", "Structure", "Texture", "Weathering", "Phases", "Mineralogy", ...*]

["Sample

62.09	62.79	alt zone w/ chl & qtz/carb alt. a # of veins (4) that I could see. Sulphides (minor) along veins. Sulphides are pyr + pyrr
62.79	63.53	alt zone (chl) + minor bleaching in one part. Near bottom of sample theres well developed & large pyrr xfs (cubic almost) diss throughout alt. a # of micro veins & assoc minor sul (pyr). Minor fine diss sul in areas of alt.
63.53	64.55	relatively fresh gd w/ 3 minor vein 'areas,' one is qtz/carbo. No visible sulphides
64.55	65.84	60% of zone is alt & bleached. A # of small microveins in zone. No visible sulphides
65.84	66.53	crumbly zone, FeOx + carb. Zone is heavily oxidized & likely heavy. Looses during driling in crumbly zone
66.52	67.80	fractured w/ FeOx staining on fractures. Zone is alt w/ silic + chl in top & qtz.carb veinlets in ctumbly zone
67.80	68.86	fresh gd, w/ qtz veins - looks 2ndary
68.86	69.40	fresh gd
69.40	70.36	alt zone, w/ 2 sulphide veins 1st is 1cm w/ aspy + py., chl at al & minor diss sul there. Some or one (?) qtz micro vein parallel to vein ~6cm below w/ pyrr. Minor diss sul. In alt zone. 2nd vein is @ higher angle to core axis than 1st vein. Its 0.8cm & 90% sul 9mostly aspy) + pyr.
70.36	70.96	fractured zone w/ FeOx on fractures, some w/ carb. Plag are bleached white. No visible sulphides.
70.96	71.93	massive aspy/pyr qtz vein @ top of sample. This vein is @ high angle as well. Vein is 0.5-1.0cm wide, very little qtz. Rest of zone is alt but no visible sul.
71.93	72.99	Alt zone. Top has small qtz vein, then alt zone w/ minor pyrr. Several qtz pyr veins in bottom half. One near end of sample. Alsos een sulfer looking color on a fracture. Minor diss py in this bottom part.
72.99	74.03	zone which appears to have been silicified. A # of micro veins which appear alt (?). Some pyr in alt zone.
74.03	74.90	alt zone w/ qtz/pyr/aspy near bottom of sample. At top a qtz/carb/pyr vein runs along axis w/ sercite alt several cm outward (pic). Minor diss pyr in places. A qtz/pyr/aspy ~0.5cm wide (50% sul) near buse is cross cut by qtz/carb vein.
74.90	75.46	alt zone w/ minor diss pyr (chl alt)
75.46	76.69	fresh gd w/4-5cm wide alt zone near top w/ minor pyr.
76.69	77.70	Fresh gd w/ 2 qtz veins @each end of sample. Veins are clean to dull in centre + whitish on selv.
77.20	78.90	fresh gd
79.70	80.88	zone; 50% alt w/ a 3cm wide qtz/pyr/aspy vein. Sulphides on selv. Qtz/pyr micro vein parallel & 6-7cm below. Not much in way of diss sul. Near bottom is a qtz/carb vein.
80.88	81.82	50% alt, rest fresh. Qtz/pyr/aspy vein near top (1.5cm), aspy diss w/ in 1cm of vein. Possible sul migration along perpendicular fracture/ vein
81.82	82.40	50% alt zone. w/ 1cm wide qtz/pyr vein. Theres minor, but noticeable diss aspy in vein halo. No diss sul in other alt areas.
82.40	83.67	fresh zone w/ 3chl atl zones, each a few cm wide w/ v. spare sul. One is a fracture w/ FeOx staining
83.67	84.40	fresh zone w/ 2ndary (?) qtz oblique to axis w/ v. minor sul along selv. A couple qtz veins, perpendicular ot axis & cuts above noted vein. No sul w/ other two.
84.40	85.93	fresh, minor fractures w/ FeOx
85.93	87.37	same
87.37	88.37	same
88.37	90.10	alt & fractured zone. A few qtz & qtz microveins. In areas of intense alt can't see diss usl, but present in chl alt zones.
90.10	91.67	fresh to alt (Fe stained) to crumbly gd. Crumbly is qtz/carb or just carb
91.67	92.73	same
92.73	94.23	same, but may have minor sul (?). Did see qtz veinlet in alt zone
94.23	95.73	fresh gd
95.73	96.97	fresh, minor chl alt, gd + qtz monzonite (?) less mafics
96.97	98.80	qtz monzonite, chl alt
98.80	99.30	alt qtz monz w/ 1 qtz micro vein @ **leeginniley???** w/ pyr. Pyr is large compared to veinlet. Minz is chl alt.
99.36	100.86	alt zone for 1st half (chl) w/ one qtz/pyr vein (0.8cm) w/ 20% pyr. Then minz
100.86	102.36	qtz minz passing to GD. Minor qtz micro vein in minz. No sul
102.36	103.86	fresh gd w/ a qtz vein along axis (pic). This vein is present for quite a few meters. No visible sulphides. Vein is generally white qtz along edge & clear (possibly purple qtz according to fraser) vein shows fracture stain perpendicular to vein axis fresh gd. w/ some Fe stained fractures. The 'purple' vein is mostly present at beginning & seems to splay off
103.86	104.50	fresh gd w/ 25cm alt zone @ end. Alt zone has a 05.cm qtz pyr vein (15% sul). No diss sul.
104.50	106.00	fresh gd w/ 1/2 zone w/ 'purple' qtz vein along axis
106.00	107.50	fresh gd w/ 'purple' qtz vein along whole sample
107.50	109.00	fresh gd
109.00	110.50	fresh gd
110.50	112.00	fresh gd
112.00	112.90	fresh gd, but w/ 2 micro veins at beginning ~3cm apt. Each has minor sul. Also a chl alt (1-2cm wide) w/ a micro vein. This one has more sul. Looks like pyr.
112.90	113.60	half of sample isa lt (chl). Within this alt zone is a 2.5cm qtz/aspy,pyr vein. 50% sul, aspy 60% of that. No diss, in alt zone
113.60	114.18	zone wi/ 25cm alt zone which has 1cm qtz pyr (70%) aspy (30 %) vein. Vein has 50% sul. No diss sil in halo.
114.18	114.90	zone w/ 2 minor alt zones (10cm) each. Otherwise fresh gd
114.90	115.73	zone is 90% alt. a 0.5cm wide qtz pyr vein near top (30% sul). Then through **uncuting** alt zone spotted 2 qtz micro veins w/ pyr within alt zone. There might be some minor diss sul in one area (middle) alt zone.
115.73	117.23	fresh gd
117.23	118.70	fresh gd
118.70	120.20	fresh gd
120.20	121.70	fresh gd. Top has minz w/ one 3cm qtz vein w/ chl alt. no sul
121.70	122.22	fresh gd. One alt zone (chl) ~10cm wide. No visible micro vein. V. minor sul
122.22	122.75	alt zone w/ 2 qtz/pyr veins. Veins ~ 20cm apart. Veins 40-50% sul
122.75	124.25	fresh gd
124.25	125.60	fresh gd, w/ 1 4cm alt zone chl w/ miner sul.
125.60	126.40	60% of interval alt. Top has alt + qtz veinlets + cross cutting veinlets. Minor sul there. A crmbly zone contin 3cm qtz/py vein. **Breaks??** In halo is diss pyr.
126.40	127.55	fresh gd w/ 10cm minz zone
127.55	128.74	zone that is 80% alt, but alt is less intense. Half way in sample is a fractured zone w/ qtz micro veins & minor pyr (?). V, fine sul
128.74	130.24	fresh gd
130.24	131.64	fresh gd. w/ one qtz micro vein in 1-cm alt zone
131.64	132.32	fresh gd
132.21	132.99	
132.99	134.49	zone ~ 1/2 alt. at beginning several micro veins w/ sul cross cutting. Minor diss sul. Not much in way of veins or sul unit end where there is a qtz pyrr vein, (4mm wide) 20% sul. This one is more oblique to core axis compared tomost veins.
134.49	135.22	1/2 alt near bottom a 2.5cm wide qtz/pyr/pyrr vein w/ alt halo
135.22	135.99	fresh gd
135.99	136.61	zone mostly alt w/ oblique qtz vein along axis w/ massive pyrr in places in vein. Vein has selv. Looks like what we called 2ndary, pic of vein.
136.61	138.11	fresh gd
138.11	139.61	fresh gd w/ one alt zone near 178.90
139.61	140.61	alt zone w/ 2ndary qtz. w/ 5-10% pyrr. Some minor diss pyrr. Chl alt.
140.61	141.44	alt zone w/ minor diss pyrr or pyr @ base several qtz microveins
141.44	142.50	zone is 1/2 alt. w/ bottom portion having several micro veins w/ minor sul & minor diss pyrr (?). Alt top of sample, massive 2cm pyr vein w/ diss pyr & aspy emenating out from vein mid-sample 0.8cm qtz vein w/ pyr. At bottom in alt some minor pyrr.

142.50	143.58	alt zone w/ qtz micro veins. Not much in way of sul. 3/4 way down on qtz/pyr vein 15% pyr
143.58	144.18	zone most alt (minor) Two zones of more alt, one w/ qtz micro vein. Both has minor diss sul
144.18	145.08	1/2 zone alt. alt zone has qtz microv eins w/ minor diss sul
145.08	146.58	fresh gd
146.58	148.13	fresh gd
EOH		End of Hole: 148.13

FeOx Scale		Weathering				Si Scale		Ser, Chl, etc Scale		Carbonate		Selvages		Ox. State	
0 =	Unoxidized	OVB	Overburden	FSH	Fresh	0 =	No Silicification	0 =	Unaltered	0 =	No Effervescence	0 =	No Alteration	0 =	No Ox Sulphides
5 =	Intensely Oxidized	WTH	Weathered			5 =	Intense Silicification	5 =	Intensely Altered	5 =	Strong Effervescence	5 =	Strong Alteration	5 =	All Sulphur Oxidized

Selevage Alteration			
chl =	Chlorite	q =	Quartz/Silica
k =	K-Spar	cb =	Carbonate
s =	Sericite	cc =	Calcite
bt =	Biotite		

Fracture Intensity	
1	<10%
2	10-30%
3	30-50%
4	>50%

Selvage Contact
Gradual
Sharp
Undulating
Banded

Grain Size
Fine
Medium
Coarse

Vein Type			
1 =	Quartz	4 =	Carbonate
2 =	Quartz/K-Spar	5 =	Quartz/Chlorite
3 =	Quartz/Carb	6 =	Sulphide +/- Qtz

Rock Type

Group	Code	Description
Sedimentary	SED	Metasedimentary rock
	PHYLL	Phyllite
	QTZITE	Quartzite
	HNFLS	Hornfels
Granodiorite	GND	Undifferentiated Granodiorite
	FGND	Fine Granodiorite
	MGND	Medium Granodiorite
	CGND	Coarse Granodiorite
	AGND	Altered Granodiorite
	VNGND	Sheeted Vein Granodiorte
Dykes	APL	Aplite Dyke
	FDYK	Felsic Dyke
	MDYK	Mafic Dyke
	SKN	Skarn
Veins	OV	
	VN	
	QF	
	V	
	VN	

Zonte Metals		2017		Drill Hole #: MJ17-05				Zone of Deposit:		Orientation:									UTM (Projected Coordinate System; NAD83, Zone 8N):									Date:			
Intervals		Fracture		Alterations (0-5)						Veins									Selvages					Sulfides					Oxides & Tungstates		
From	To	Fract Angle	Fract. Intensity	Oxide (ox)	Sericite (ser)	Chlorite (chl)	Clay (arg)	Carb (carb)	Silicification (Si)	# of Veins	#/interval(Major)	Type_major	Max_cm	Total(Major) cm	#/interval(Minor)	Type_Minor	Max. (cm)	Total(Minor) cm	Vein Angle	Selvage Contact	Max (cm)	Alteration	(0-5)	Ox. State 0-5	Pyrite	Pyrrhotite	Arsenopyrite	Other Sulfide	Total Sulfide %	Limonite (Goethite, Hematite, ...)	Scheelite (Wolframite, ...)	Other Oxide (Gossan, Scorodite, ...)
0.00	2.94																														Casing-rubble
2.94	4.14																														Fresh gd w/ 2 alt (chl + Si_ zones. No visible sul
4.14	4.89																														zone has qtz vein (no sul) @ top. This is cut by carb vein along axis. # of fractures w/ FeOx staining & qtz vein near and vein is nuerous
4.89	5.39																														Top of zone is alt w/ 1.5cm wide qtz/pyrr/aspy vein. (50% sul), in halo (10cm either side) fine diss sul, but also aspy up to 3-4cms from veins.
5.39	5.89																														minor qtz w/ sul (aspy) @ top w/ several fractures contain FeOx
5.89	6.95																														Fresh gd w/ 1 qtz microvein (minor to mild sul) vein has a 0.5cm halo.
6.95	7.66																														zone w/ two micro veins. No visible sulphides
7.66	8.91																														at sample top see 3cm wide zone, alt w/ v. fine veining (?) & one having pyrr. Along it. Zone has 4 other micro veins, one w/ sul others do not. Each has a 1-1.5cm halo.
8.91	9.62																														zone has 1 qtz pyrr minor aspy vein 9micro to 2-3cm) w/ 5-6cm halo. No diss in halo
9.62	10.48																														zone w/ 2 wide alt zone. One has a qtz/pyr veinlet w/ possible chlacopyrite. Other does not have sul. No diss sul
10.48	11.95																														fresh gd. Pissble 1 or 2 minor narrow alt zones
11.95	12.79																														zone w/ 3 alt zones. One at top and at bottom. One at center. No visible sul. Top alt is 5cm wide
12.79	13.60																														zone w/ qtz microvein + mminor sul about 1/2 way w/ a qtz/carb vein too 25cm below small qtz micro vein w/ minor pyrr
13.60	14.47																														near bottom a 2cm wide qtz vein w/ pyrr. Vein selv is carb. Diss pyrr in bottom halo in particular
14.47	15.97																														fresh gd w/ one or two smal alt zones
15.97	17.27																														fresh gd
																															fresh gd w/ 3 small closely spaced alt zone. They are 0.75-1.0 cm wide A# of fractures w/ carb on the (qtz carb veinlets). No visible sul.
17.27	17.73																														Fresh gd. w/ a # of fractures w/ qtz carb
17.73	18.70																														alt zone. Near top, 2 parallel qtz pyrr veinlets. 1cm apart. Dis pyrr below on halo. A # of veinlets have pyrr along selv; qtz/carb veins w/ halo + FeOx staining in vein. Near bottom
18.70	19.90																														alt zone. 4 alt (microveins) + a 1cm qtz/pyrr (10%) vein. Qtz is clear dull to whiteish. Note: # of qtz carb veins here, which show a slight different angle to core axis as sul veins. The
19.90	20.78																														3 parallel veins. One, the widest, is 0.5cm w/ 15-20% pyrr. Other zone is narrow. Minor diss pyr in halo. At bottom a 2mm qtz/pyrr vein cuts core axis perpendicular w/ possible minor
20.78	22.28																														fresh gd
22.28	23.78																														fresh gd w/ several small areas of narrow alt
23.78	24.78																														interval has 30cm alt zone in center is a qtz pyrr vein (2mm) & within this alt interval are 2 or 3 qtz carb veins running more oblique to the core axis (pic)
24.78	25.91																														fresh gd
25.91	26.41																														2 small alt zones. One w/ additional carb alt. Isolated to see if theres a **response**
26.41	27.91																														fresh gd
27.91	28.56																														fresh gd, v. minor alt in a 5cm zone
28.56	29.21																														interval w/ 18-20cm alt interval. 0.5-0.8 qtz/carb veins. No visible sulphides diss sul (pyrr?) in alt halo
29.21	30.24																														Interval w/ 5 minor alt zones. (these are parallel). Theres a sixth which is nearly perpendicular to the other orientation. No visible sulphides.
30.24	31.31																														fresh gd
31.31	32.29																														*Interval w/ 10 alt zones (chl) 0.5 to several cm's wide. Only one (top) shows rxn to magnetic. Cant see any sul in any other veins.
32.29	33.70																														Interval w/ 9 alt intervals. 4 are @ top of interval. Mid-sample is a 0.5cm qtz vein w/ carb selv. One part shows pyrr + Aspy. At ~ 33.40- qtz/pyrr veinlet. Zone @ end shows diss pyrr.
33.70	35.05																														fresh gd w/ 3, possibly 4, micro veins w/ alt. no visible sul
35.05	36.40																														zone w/ sevel alt zones. One has pyrr, one has pyr
36.40	36.86																														interval w/ 4-5 alt zones. No visible sulphides
36.86	37.89																														interval w/ 3-4 alt zones. First two have pyrr. The second has good pyrr/aspy on fracture face. Aspy looks but radial. Bottom one reacts to mag but no visb.
37.89	39.39																														fresh gd w/ one alt zone (1cm)
39.39	40.22																														interval w/ 3 alt zones. Bottom one is a little wider (5cm) but no visible sul, no ma rxn.
40.22	40.72																														fresh gd
40.72	42.12																														fresh gd w/ 3 minor alt zones
42.12	42.62																														fresh gd w. 5 minor alt zones
42.62	44.81																														fresh gd w/ several weal alt zones
44.81	46.04																														interval w/ 4 alt zones. First two are micro veins w/ halos, w/ mag rxn. The third has visible pyrr. Vein is 2mm wide. The last vein is a 1cm qtz, aspy/pyrr vein. Halo has diss pyrr. For
46.04	47.54																														zone w/ seven alt zones. One has pyrr
47.54	49.04																														interval w/ 5 alt zones. No sulphide
49.04	49.83																														interval w. 4alt zones. Two have qtz/pyrr micro veins. One 0.3cm qtz pyrr vein w/in 10cm halo which has diss pyrr.
49.83	50.75																														interval w/ eight minor alt zones. Two w/ pyrr. (ones w/ widest halos)
50.75	51.49																														Interval w/ 1 minor alt zone mid sample & two **loupe** ones near bottom, where the rxn to mag, but no visible sul
51.49	52.80																														Interval 5 or 6 alt zones. One rxn w/ pyr-qtz/pyrr micro vein. A # of 1mm or less micro veins in alt zones. Along one fracture see aspy (?) (no pyrr). Very subtle fracture & only see sul
52.80	53.50																														just 2 mildly alt narrow zones in fresh gd
53.50	54.08																														zone w 2 well dev. Micro veins. One w/ sul (pyrr). Third alt zone near base of sample
54.08	55.09																														interval w/ 2 10cm wide alt zones. Also @ base a 30cm qtz vein (0.5-0.8cm wide) running along axis. Alt zones have diss pyrr, w/ bottom one containing 3mm wide qtz/pyrr
55.09	56.11																														interval shows fine alt zones in bottom w/ f. qtz vein 1/3 from top (no sul). Bottom zone has qtz/carb vein. No rxn to mag. No visible sul
56.11	56.87																														5 minor alt intervals, a sixth (@ top) is 6-7cm wide. No visible sul, no mag rxn
56.87	57.89																														six parallel alt micro zones. One is a qtz/cab/pyrr vein (0.2cm) this the only one w/ sul (pyrr) in vein
57.89	58.40																														alt zone @ top (no visible sul, no mag rxn). Several v. small alt zones present (no sulf). Near base a high angle qtz microvein w/ minor pyrr
58.40	59.40																														fresh zone w/ 3 minor alt zones. No sul
59.40	60.05																														two 10-15cm wide interval. Top one has parallel dark qtz micros. No sul, no mag rxn
60.05	60.67																														above base a 0.8cm qtz vein w/ minor pyrr. Diss pyrr in halo there. Top alt zone - no sul
60.67	61.54																														35-40ocm alt zone @ bottom part of sample. Has 2-3mm qtz pyrr vein w/ minor diss pyrr below
61.54	62.56																														relatively fresh gd
62.56	63.11																														interval w/ 25cm alt zone contain 3mm qtz vein w/ pyrr, possibly cpy & pyr (?). Diss pyrr out from vein ~ 4cm
63.11	63.92																														fresh gd
63.92	64.84																														fresh gd
64.84	65.67																														Interval w/ ~30cm alt interval w/ a 1.0-1.5cm qtz vein w/ pyr, aspy, pyrr. Finely diss pyrr 5-8cm into halo. Several minor qtz microveins @ top of alt zone
65.67	66.40																														interval w/ 10-15cm alt interval. No sull. Carbonate alone fractures
66.40	67.90																														fresh gd. A # of weakly alt zones. Qtz/carb on one fracture no sul
67.90	69.19																														fractured w/ 7 weakly alr narrow zones no sul.
69.19	69.95																														several fracture zones w/ cab. No sul
69.95	71.45																														fresh gd
71.45	72.24																														fresh gd. Severl small alt zones @ base of this interval
72.24	73.59																														At beginning theres a qtz/carb/chl vein/fracture w/ a 4cm halo. The fracture face has chl + what looks like finely diss aspy (?)
73.59	75.09																														fresh gd
75.09	76.59																														fresh gd w./ minor alt zones/ some fractures
76.59	78.09																														interval w/ several qtz/carb fractures of several small alt intervals
78.09	78.77																														interval w/ 2 small alt zones. No sulphides
78.77	80.27																														qtz vein (4mm) @ beginning, 4-5cm halo, then minor alt zones
80.27	81.77																														interval w/ three alt zones
81.77	83.27																														minor alt zone near top of sample
83.27	83.57																														interval w/ ~4mm qtz/pyrr vein. One fracture w/ FeOx & a small micro veinlet
83.57	84.43																														interval w/ 2-3 weakly alt zones
84.43	84.95																														fresh gd
84.95	86.09																														interval w/ 4 alt intervals. First two are 2cm each; another is 8cm & last is ~12cm. Bottom two intervals have a 2mm & 5mm qtz/pyrr (respectively). Both zones have diss pyrr in halo.
86.09	86.99																														interval w/ fractures, carbonate on fractures. One w/ 3cm halo. No sul
86.99	88.02																														interval w/ mild alt zone (microvein) @ top + a 10cm wide zone near bottom. This one has a 3mm qtz/pyrr vein & diss pyrr in halo.
88.02	89.52																														Interval w/ one 5-6cm alt zone. no sul
89.52	90.29																														interval w/ 3-4 alt zones. The largest is 6-7cm wide w/ qtz micro vein. In that vein I believe I spotted silver metalic mineral. Look for Bi in sample.
90.29	91.29																														fresh gd
91.69	92.60																														interval w/ several Fe stained fractures
92.60	93.15																														alt interval w/ a 3cm qtz vein w/ 8-10% sulphides (pyr, pyrr, aspy) no other sul in interval
93.15	94.09																														interval w/ 3 fractures/ alt zones. One has minor diss sul
94.09	94.84																														1 narrow (2cm) & 1 20cm wide alt interval. 2cm has qtz vein (no sul) which is 5mm wide. 20 cm wide interval has a 0.5cm qtz vein w/ pyr + pyrr & possibly cpy (minor). No diss sul
94.84	95.51																														interval w/ 3 weakly alt zones. No sul
95.51	97.01																														just several mild alt zones
97.01	97.57																														has 30cm alt interval w/ 0.5cm qtz vein no sul
97.57	98.68																														fresh gd
98.68	99.44																														interval w/ 5 alt zones. Only 1 w/ sul, which is a qtz pyrr micro vein. Veinlet has 60% sul.
99.44	100.29																														interval w/ 1 mm wide qtz/pyr microvein. There mild newer alt zones
100.29	100.98																														interval with 0.8cm qtz veins which has carb on selv
100.98	101.86																														interval w/ qtz fracture, & qtz cab fracture no sul.
101.86	103.12																														interval w/ 5 alt/fracture zones. Qtz/ carb vein & carb on fractures in alt zone. No sul
103.12	104.62																														fresh gd
104.62	106.12																														fresh gd. V. minor alt in one spot
106.12	107.62																														interval has a 50cm completely crumbles gd zone. One end has qtz vein w/ possible slickenslides. Exn w/ acid slong the micro qtz vein. At bottom is a qtz/ carb vein (redish) ~
107.62	109.12																														Interval w/ slight alt, 6 fractures w/ Fe staining. Carb/qtz vein w/ bleached interval @ end
109.12	109.64																														Fractured zone, w/ Fe staining. At botoom theres 5-6cm of interval
109.64	110.41																														Interval w/ bleached w/ minor carb. One 15cm interval shows fine black 'material' (pyr?) along qtz vein & like flow bands through the rock. Has pink qtz here too. Pick w/ sample tag
110.41	111.91																														Interval is bleached (plag) is total sercite. Bottom portion of sample is brown & crumbly. Throughout theres a few qtz veins that look like they are late, they are wavy, cloudy & have a
111.91	113.41																														Same as above w/ more fractured crumbly material. Same carb alt, simialr to 109.64-110.41
113.41	114.91																														Bleached, less fractures fractures have carb. A good example of a heavy qtz vein(s) cutting previous veins. A couple qtz veins w/ carb (selv) one w/ FeCarb
114.91	116.41																														fresh gd
116.41	117.91																														fresh gd w/ 1 alt zone, qtz, no sul, w/ halo

Comments

["Lithology" ; *"Colour", "Texture" (Grain Size), "Alterations" (Weathering), "Structures" (Fracturing, Deformation, Veining), "Mineralogy" (Modal Percentages, Paragenesis), "Habit", ...*]
["Veins" ; *"Mineralogy", "Measurements", "Structure (Cross-cutting Relationships)", "Texture", "Alteration", "Weathering", "Phases", ...*]
["Selvage" ; *"Alteration", "Colour", "Measurements", "Structure", "Texture", "Weathering", "Phases", "Mineralogy", ...*] ["Sample

117.91	118.81	Fractured & alt zone. Fractures have FeOx. At base a qtz vein w/ banding on other side. Vein ~3-4mm. Bandnig same. No sul
118.81	120.31	Fresh gd. w/ qtz veinlet w/in 20cm halo. No sul. Bottom half fresh
120.31	121.81	fresh zone w/ minor qtz veins &in 25cm interval bleached w/ pinkish/ brown carb/qtz vein. It cross cuts a fracture w/ qtz in it. The qtz/ carb vein is not in same orientation as other
121.81	123.31	relatively fresh w/ minor microveins in top 1/3 of interval. No sul
123.31	124.81	Interval w/ 3 minor chl alt zones an a small 5cm interval. w/ qtz/carb micro veins. Here though there are slikenslides
124.81	126.31	zone w/ fractures. Some have qtz/ carb. One vary light pale pink Qtz vein has minor sul. Vein is 2-4mm wide
126.31	127.81	Alt interval in mid-sample. 7-8 qtz-carb fractures
127.81	128.37	alt zone w/ 1.5cm wide qtz vein containing pyr. (15-20%) also late vein along core axis from vein pic.
128.37	129.87	fresh gd
129.87	131.37	fresh gd w/ one high angle qtz vein w/ <1% pyrr
131.37	132.87	Fresh interval w/ alt zones. One is a narrow qtz micro vein w/ pyrr. Halo is narrow, total is 1.5-2cm
132.87	134.37	sample ahs 4 parallel narrow alt zones. First seen in a while like this. The widest one is 4cm (w/ halo) w/ a microvein, in microvein theres a finely diss fine grained sul
134.37	135.87	fresh gd w/ 1 qtz vein (1-1.5cm) w/ 2% pyrr. Several alt zone, but v. weak
135.87	136.66	one alt zone, weak in sample
136.66	137.33	two alt zones. First is narrow & along fracture is diss aspy. 2nd one is a 20cm alt zone w/ a 0.8-1.0cm qtz. Vein 40% sul (pyr,pyrr,aspy) diss pyrr in halo.
137.33	138.73	interval, fresh. One 2mm wide qtz vein w/ **botroidal** sul looks like pyrr, nut no rxn
138.73	139.64	sample w/ good alt, which is more prevasive @ bottom. 4 or 5 veins (1-2mm). One was broken along plane & has diss pyr + aspy (but cant see it in face of core) another face has
139.64	140.21	sample has 1.5cm wide qtz, pyrr, pyr, aspy vein. Aspy is along vein edge for the most part. Alt zone is 20cm w/ v. minor diss pyrr. A # of fractures @ base of sample w/ qtz/carb or
140.21	140.91	sample w/ one qtz pyr micro vein 1mm. 2nd alt zone but no visible sulphides
140.91	142.34	fresh gd
142.34	143.91	minor 5.10cm alt zone @begining w/ light pinkish qtz&qtz.carb fracture 1/3way down.
143.91	145.06	fresh gd w/ 3 qtz/carb fracture veins @ bottom, no visible sulphides
145.06	145.98	interval has a 30cm alt zone w/ qtz (clear) pyrr (10%) vein (0.5cm), & a fracture w/ sul. Diss pyrr in halo here and there. There a # of fractures w/ qtz on them w/ feOx. No visible aul
145.98	146.64	fresh gd
146.64	147.47	# of alt zones. At top fracture zone w/ diss pyrr (?). More visible in fracture. A 20cm interval has a 0.7cm qtz vein w/ pyrr (5%). Several other fracture zones below w/ qtz veins. No
147.47	148.98	zone of fresh gd, but numerous fractures w/ minor Fe staining. Two alt zones near bottom
148.98	150.48	sample has a alt & fractured zone ~20-25cm wide, no visible sulphides
150.48	151.98	two fractures @ top w/ qtz microveins. Then fresh & then into a fractured zone showing slickenslides (point to movement to N.W.) Fe stained. No visible sulphides.
151.98	152.98	sample w/ 4 veins (micro), one is broekn & has carb on it., no visible sul. One qtz micro shows well developed **??MINERAL??** along selv
152.98	154.33	zone of micro qtz veins. Alt & Fe staining on fractures
154.33	155.83	sample w/ 4 moderate alt zones & 2 narrow parallel ones @ base. No visible sulphides
155.83	157.33	Sample has a 15cm alt zone w/ a pale pinkish qtz perpendicualr to core axis. Shows minor bx of core by qtz. No visible sul qtz on a fracture ~1/2 way shows slickenslides
157.33	158.50	near top have several qtz micro fractures, 3 parallel alt zone (qtz micro in centre) (no sul).
158.50	159.15	has 15cm alt zone w/ a 0.7cm qtz/pyrr/pyr vein. The pyrr is rimmed by pyr in some places. Diss pyrr for 4-5cm into halo on either side.
159.15	160.63	long interval (should have broken it into two) top 1/2 is fresh gd. In bottom one qtz vein w/ minor pyrr. Vein is clear dull. Can see developed **MINERAL???** halo. Diss pyrr 3-4cm out
160.63	161.36	in center qtz vein (0.6cm) w/ a 2nd qtz/carb vein (2mm) on top side. Along fracture qtz/carb///qtz vein face is xtaltive aspy. 2nd & top qtz/carb vein has v. minor & fine metalic
161.36	162.86	fresh gd. w/ two narrow mild alt zone near top
162.86	163.97	fresh gd. Minor alt zone, but looks to have v. fine diss sulphide on face
163.97	165.07	two 5-6cm alt zones @ top. One has minor diss sul. Vein (1mm) is pale pink qtz/carb. Looks to have very fine diss sul (?) Can't discern. Bottom portion of interval is well alt w/ cross
165.07	166.57	fresh gd
166.57	168.07	zone w/ 13 alt zones. Most are small & weak. Several show possible v. fine low angle of sul. One wider zone @ bottom is 5-6cm w/ well developed but no visible sulphides
168.07	169.57	zone w/ numerous alt zones. No visible sulphides. 2 intervals 10-20cm thick interval.
169.57	170.69	interval w/ alt @top & bottom. Bottom has a 0.5cm qtz vein w/ pyrr (20%). Other than that no other visible sulphides
170.69	172.19	sample w/ six alt zones. Weak. No visible sul, except v. last one minor pyrr. Zones are centeres (as most) w/ <1mm veinlet
172.19	173.79	interval w/ 12 minor alt zones some are qtz/carb
173.69	175.19	sample w/ 7-8 alt zones (micro mm veinlet in center) only one w/ sul
175.19	176.69	sample w/ 11 alt zones. One is 6-7cm wide w/ qtz. No visible sulphides (maybe on one?)
176.69	178.19	interval, 4 alt zones. Two are wide (6&12cm). No sul.
178.19	179.44	interval w/ 4 alt zones. Qtz carb on faces that are broken, no sul
179.44	180.56	mostly alt. qtz veinlets along core axis & normal angle. One qtz/ pyrr micro vein 15% pyrr. Diss pyrr around this one.
180.56	181.26	interval w/ 3 alt zones. First one is a qtz/carb w/ minor diss sul on surface. Others do not appear to have any.
181.26	181.97	alt zone w/ 7-8 microveins. Most are qtz/carb veins & a couple pale pink qtz veins. No vissible sulphides
181.97	183.45	Interval w/ veins. There within a 20cm alt zone & one vein is there pale pink qtz type. Others are narrow micro veins. No sulphide
183.45	184.75	alt interval. Multiple micro veins, several pale pink qtz ones. Pyrr on one fracture & pyr in a selv of a crumbly qtz veins
184.75	186.25	interval w/ 7 veins fractures. Several qtz/carb. No sul
186.25	186.97	fresh gd w, 2 microveins. One has a 3-4cm halo
186.97	187.86	At top one qtz micro w/ pyrr. 30-40cm interval w/ pale pink qtz veins & heavy alt. clay (whitish) + carb rxn. No visible sulphides
187.86	189.36	has 6 fractures/veinlets. Not much alt, no sul.
189.36	189.90	fresh gd
189.90	190.84	alt zone, whitish/bleached. Qtz veinlets. Not much rxn to HCl. One micro vein has black sul (?) on it. Some qtz how slickenslides
190.84	191.87	2nd half of the alt/clay/bleached zone. Partially crumbly. V. minor metallics on some veinlets, some of which cross cut the most common orientation w/ sulphides
191.87	193.37	fresh gd
193.37	194.87	fresh gd w/ 6 weakly alt narrow zone. No visible sul.
194.87	196.37	fresh gd w/ 5 alt zones. Top one has minor pyr. Bottom two zones have a v. fine dark sul. Possibly alt pyr on a sulfosalt. Bottom one has 2 veinlets. (3 veinlets in bottom 15cm).
196.37	197.87	fresh gd w/ 3 alt (weak) zones
197.87	199.37	interval w/ 2 alt zones, possibly 3, all within a 70cm interval. One has pyrr 1mm thick
199.37	200.87	interval w/ 1 narrow weak alt zone
200.87	202.37	fresh gd. w/ 2 or 3 fracture/qtz alt zone. No sul
202.37	203.75	interval w/ several alt zone (10-15cm thick). The thicker bottom one a qtz vein (4-5mm) w/ minor pyrr & a fracture below w/ qtz & pyrr.
203.75	205.10	alt interval, bleached, sercite alt intense. Looks like a zone that was affected by late fluid. No need carb rxn. Can see 8 or 9 veinlets (relic). Theres a 10cm zone of the pale pink qtz
205.10	205.81	interval. One wider (but weak alt zone) & two micro veins no sul
205.81	206.80	alt bleached zone. Several microveins & one pale pink one. Along orientation of veins w/ sul., nut no visible sul
206.80	207.59	Fresh Gd
207.59	208.20	1/2 interval is alt. bleached again. One qtz vein 3-4mm w/ dark silicate halo. No sulphides
208.20	209.34	fresh gd w/ 2 minor weak halos
EOH		End of Hole: 209.34

FeOx Scale		Weathering				Si Scale		Ser, Chl, etc Scale		Carbonate		Selvages		Ox. State	
0 =	Unoxidized	OVB	Overburden	FSH	Fresh	0 =	No Silicification	0 =	Unaltered	0 =	No Effervescence	0 =	No Alteration	0 =	No Ox Sulphides
5 =	Intensely Oxidized	WTH	Weathered			5 =	Intense Silicification	5 =	Intensely Altered	5 =	Strong Effervescence	5 =	Strong Alteration	5 =	All Sulphur Oxidized

Selevage Alteration			
chl =	Chlorite	q =	Quartz/Silica
k =	K-Spar	cb =	Carbonate
s =	Sericite	cc =	Calcite
bt =	Biotite		

Fracture Intensity	
1	<10%
2	10-30%
3	30-50%
4	>50%

Selvage Contact
Gradual
Sharp
Undulating
Banded

Grain Size
Fine
Medium
Coarse

Vein Type			
1 =	Quartz	4 =	Carbonate
2 =	Quartz/K-Spar	5 =	Quartz/Chlorite
3 =	Quartz/Carb	6 =	Sulphide +/- Qtz

Rock Type

Group	Code	Description
Sedimentary	SED	Metasedimentary rock
Sedimentary	PHYLL	Phyllite
Sedimentary	QTZITE	Quartzite
Sedimentary	HNFLS	Hornfels
Granodiorite	GND	Undifferentiated Granodiorite
Granodiorite	FGND	Fine Granodiorite
Granodiorite	MGND	Medium Granodiorite
Granodiorite	CGND	Coarse Granodiorite
Granodiorite	AGND	Altered Granodiorite
Granodiorite	VNGND	Sheeted Vein Granodiorite
Dykes	APL	Aplite Dyke
Dykes	FDYK	Felsic Dyke
Dykes	MDYK	Mafic Dyke
	SKN	Skarn
Veins		