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Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Diamond Drilling, Access Trail Construction

TOTAL COST: $5,126,360.91

AUTHOR(S): Nicholas L. Johnson

SIGNATURE(S):

Digitally signed by Nick Johnson
DN: cn=Nick Johnson, o=Canada Zinc Metals Corp., ou, email=njohnson@canadazincmetals.com, c=CA
Date: 2011.05.27 23:44:41 -07'00'

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): 08-1300263-0626, 09-1300263-0525, 09-1300263-1105

YEAR OF WORK: 2010

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 4844938, 4844977 (16 March 2011)

PROPERTY NAME: Akie Property

CLAIM NAME(S) (on which the work was done): Akie 2, Akie 3, Akie 4, Akie 7, Akie 8

COMMODITIES SOUGHT: Zinc, Lead, Silver

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 094F031

MINING DIVISION: Omenica

NTS/BCGS: 94F07

LATITUDE: 57 ° 22 ' 30.5 " **LONGITUDE:** 124 ° 51 ' 12.3 " **(at centre of work)**

OWNER(S):

1) Ecstall Mining Corp.

2) Canada Zinc Metals Corp.

MAILING ADDRESS:

Royal Centre Suite 2055-1055 West Georgia St.
Vancouver, BC V6E-3P3

Royal Centre Suite 2055-1055 West Georgia St.
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OPERATOR(S) [who paid for the work]:

1) Canada Zinc Metals Corp.

2)

MAILING ADDRESS:

Royal Centre Suite 2055-1055 West Georgia St.
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PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Kechika Trough, Gataga District, Sedex, Gunsteel Formation, Late Devonian, Shales, Sphalerite, Galena, Pyrite, Barite
Cardiac Creek deposit

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: Yes: AR# 23870, AR# 24439,AR# 28954, AR# 28435

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TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil			
Silt			
Rock			
Other			
DRILLING (total metres; number of holes, size)			
Core	6180.41, 15, HQ/NQ	Akie 2, Akie 3, Akie 4, Akie 7	$4,780,031.85
Non-core			
RELATED TECHNICAL			
Sampling/assaying	1095 samples	Akie 2, Akie 3, Akie 4, Akie 7	$51,880.81
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail	1.0km access trail	Akie 8	$294,448.26
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	$5,126,360.91

TSX-V:CZX
CANADA ZINC
METALS CORP.

SUMMARY REPORT ON THE 2010 DIAMOND DRILLING PROGRAM

AKIE PROJECT, AKIE PROPERTY

AKIE CLAIM BLOCK

OMINECA MINING DIVISION, NORTHEAST BRITISH COLUMBIA

NTS map sheet 94F/7
TRIM map sheets: 094F036, 094F037, 094F046
Latitude 57°22’30.5” N, Longitude 124°51’12.3” W

BC Geological Survey
Assessment Report
32270

Prepared for:

Ecstall Mining Corp.
Royal Centre
Suite 2050 – 1055, W. Georgia St.
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FMC#: 107445

By:

Nicholas Johnson B.Sc.H

25 May, 2011

Summary

In mid June of 2010 Canada Zinc Metals resumed exploration on the Akie property located in north eastern British Columbia. An extensive diamond drilling program continued to test the Cardiac Creek Zone as well as other property scale targets, the North Lead Anomaly and the NW Extension.

The Akie property is situated in the Kechika Trough, the southern extension of the Selwyn Basin. The Kechika-Selwyn trend is host to numerous SEDEX type mineral deposits. The Kechika Trough is bounded to the west and east by carbonates and shallow water clastic rocks of the Cassiar and MacDonald platforms, respectively. The Kechika Trough hosts a sequence of upper Devonian to Mississippian basinal facies clastic sedimentary rocks that is a regional target for SEDEX type zinc lead silver deposits, such as the Cardiac Creek deposit (43-101 compliant resource of 23.6 Mt grading 7.6% Zn, 1.5% Pb 12g/t Ag) and the nearby Cirque deposit (non 43-101 compliant resource of 32.2 Mt grading 7.9% Zn, 2.1% Pb and 48 g/t Ag). The most favourable horizon at Akie property is a stratiform barite-sulphide layer, hosted within Upper Devonian shales of the Gunsteel formation. Mapping on the Akie property has identified a number of northwest-trending panels of Gunsteel formation shales. These shales have been the target of exploration for SEDEX type ore deposits since 1978. The Cardiac Creek showing (MINFILE no. 094F031) was discovered by prospecting in 1994 and subsequently explored with the drilling of 29 holes from 1994 to 1996. This work outlined a historical, non 43-101 resource estimate of 12 Mt grading 8.6% Zn, 1.5% Pb and 17.1g/t Ag.

The Cardiac Creek showing is associated with a mineralized horizon that can be traced for several kilometres across the Akie property. The horizon is exposed on the western limb of a southeast-plunging anticline. The economic portion, now referred to as the Cardiac Creek deposit is a southeast-striking, tabular, stratiform massive sulphide body dipping approximately 70° southwest, centered in the area of the Cardiac and Avalanche creeks. Current dimensions are on the order of 1.5 km in strike length, a dip extent of 700 m and can display widths as great as 37m. High-grade mineralization is hosted within laminar sulphide beds (comprised of pyrite and as much as 50% sphalerite and 7% galena) interbedded with the siliceous shales of the Gunsteel formation. Bedded to nodular barite with laminar to bedded pyrite typically underlies the main body of mineralization. The deposit is situated approximately 10 to 20 metres above the contact between the rocks of the Gunsteel formation and the underlying Road River group.

The diamond drilling program in 2010 continued to test the Cardiac Creek deposit along the NW boundary and central segments of the deposit with 3 drill holes totalling 2075.72 metres returning positive results including; 22.79 metres of 8.34% Zn, 1.69% Pb, and 16.03g/t Ag in A-10-73B; 17.46 metres of 5.70% Zn, 0.89% Pb, and 8.52g/t Ag in a-10-74; and 6.65 metres of 5.89% Zn, 1.10% Pb, 10.78g/t Ag in A-10-75. Drilling continued to test the North Lead Anomaly with 4 drill holes totalling 2584.79 metres intersecting large sections of pyrite with minor sphalerite located along strike from known mineralization. Results returned anomalous zinc values ranging from <1000ppm to >2.00% with elevated Pb, Ag, Ba, and other associated elements. The thick sections of mineralisation encountered at the North Lead Anomaly support the possibility for an additional center of mineralisation being present on the Akie property. Drilling on the NW Extension included 4 drill holes totalling 1464 metres. Drill hole A-10-69 intersected an 18 metre thick section of bedded pyrite, sphalerite and minor galena of identical character to that of the Cardiac Creek deposit's proximal facies that returned 12.44 metres of 0.81% Zn, 0.07% Pb, and 2.68g/t Ag. A new horizon of mineralization was discovered in drill hole A-10-72 consisting of 1.17 metres of 2.69% Zn, 0.60% Ni, 4.36g/t Ag and anomalous in a diverse suite elements including Au. In addition to the exploration a short technical program consisting of trail construction and geotechnical drilling was completed towards the end of the exploration season.

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1.0 Introduction & Terms of Reference

The Akie property which hosts the Cardiac Creek Pb-Zn-Ag deposit is located in north eastern British Columbia and has been the subject of intermittent exploration from 1978 to 2011. At this time Canada Zinc Metals controls a 100% ownership of the property after successfully completing a takeover of Ecstall Mining Corp. (Ecstall) in 2007. Ecstall is a subsidiary of Canada Zinc Metals (Canada Zinc) formerly known as Mantle Resources Inc. (Mantle).

This technical report summarises the 2010 activities on the Akie Property undertaken by Ecstall from mid June to November which included continued drilling of the Cardiac Creek deposit and other targets on the Akie property and a short technical program involving trail construction and geotechnical drilling.

For the duration of the program the author supervised the exploration activities conducted on the Akie project supported by a crew of geologists and technicians supplied by Coast Mountain Geological Inc. (CMG). The technical work was supervised by consultants retained from Allnorth Consultants Ltd. and Michael Cullen Geotechnical Ltd. and overseen by Ken Macdonald, VP Exploration for Canada Zinc.

Units of measure are metric unless stated otherwise. Maps and other location data are presented in NAD 83 Zone 10 of the Universal Transverse Mercator (UTM) projection. Monetary amounts are expressed in Canadian dollars.

2.0 Property Location & Description

The Akie property is located in the north eastern corner of British Columbia situated within the western ranges of the northern Rocky Mountains (Figure 1). The property is divided by Silver Creek which drains into the prominent Akie River that runs along the southern boundary of the property. The Akie feeds into the Finlay River which in turn drains into the Williston Lake reservoir. The property is located approximately 65 and 100 kilometres from the local first nation communities of Tsay Keh Dene and Kwadacha (Fort Ware) and approximately 250 kilometres north northeast from the town of Mackenzie. The urban centre of Prince George is located some 450 kilometres south of the property.

The property is centered on UTM coordinates of 388,550mE and 6,360,660mN and located within the NTS map sheet 94F/7 and TRIM map sheets 094F036, 094F037 and 094F046. The discovery outcrop of the Cardiac Creek deposit is situated within Cardiac Creek located at UTM coordinates of 389,074mE, 63600045mN (Minfile #094F031)

The Akie property consists of 45 claims totalling approximately 10641.68 hectares and is included within a much larger package of contiguous claims consisting of 227 claims totalling some 76,152 hectares (Figure 2). The Cardiac Creek deposit resides on claims 324823 and 324825. The claims comprising the Akie property can be found in Table 1. The complete contiguous tenure holdings of Ecstall and Canada Zinc can be found in Appendix 1.

3.0 Accessibility, Infrastructure, Climate & Physiography

3.1 Accessibility

The Akie exploration camp and property is directly accessible via an extensive network of forestry service roads originating in the vicinity of Mackenzie. The camp, at the south western edge of the property, is situated at the 24.5 kilometre mark on the Akie Mainline FSR. Newly constructed road in 2008 has extended the Akie Mainline to the 41.5 kilometre mark into the south central area of the property. Seasonal trails extend out from the 41.5 kilometre mark and provide direct access to Cardiac Creek with the trail located just below the Cardiac Creek showing. The Tsay Keh Dene gravel airstrip provides access by fixed wing aircraft and during the winter months the camp and property can be accessed using chartered helicopter services based either in Mackenzie or Prince George.

Tenure #	Claim Name	Owner (%)	Expiry Date	Area (Ha)
240791	AKIE 1	107445 (100%)	2021/dec/08	75.00
240792	AKIE 2	107445 (100%)	2021/dec/08	150.00
240793	AKIE 3	107445 (100%)	2021/dec/08	75.00
324822	AKIE 4	107445 (100%)	2021/dec/08	100.00
324823	AKIE 5	107445 (100%)	2021/dec/08	400.00
324824	AKIE 6	107445 (100%)	2021/dec/08	150.00
324825	AKIE 7	107445 (100%)	2021/dec/08	500.00
327931	AKIE 8	107445 (100%)	2021/dec/08	150.00
327932	AKIE 9	107445 (100%)	2021/dec/08	300.00
327933	AKIE 10	107445 (100%)	2021/dec/08	100.00
329534	AKIE 11	107445 (100%)	2021/dec/08	400.00
329535	AKIE 12	107445 (100%)	2021/dec/08	500.00
329536	AKIE 13	107445 (100%)	2021/dec/08	500.00
329537	AKIE 14	107445 (100%)	2021/dec/08	375.00
329538	AKIE 15	107445 (100%)	2021/dec/08	150.00
329539	AKIE 16	107445 (100%)	2021/dec/08	200.00
330626	AKIE 17	107445 (100%)	2021/dec/08	400.00
549885	AKIE 20	107445 (100%)	2021/dec/08	87.25
333352	AKIE 21	107445 (100%)	2021/dec/08	450.00
333353	AKIE 22	107445 (100%)	2021/dec/08	225.00
552382	AKIE 23	107445 (100%)	2021/dec/08	17.44
333356	AKIE 25	107445 (100%)	2021/dec/08	500.00
338283	AKIE 18	107445 (100%)	2021/dec/08	400.00
338284	AKIE 19	107445 (100%)	2021/dec/08	300.00
517839	CURE	107445 (100%)	2021/dec/08	34.88
520476	AKIE 30	107445 (100%)	2021/dec/08	436.14
523916	AKIE FR.	107445 (100%)	2021/dec/08	87.18
523920	AKIE FR 2	107445 (100%)	2021/dec/08	17.44
526549	AKIE AX 1	107445 (100%)	2021/dec/08	436.57
526550	AKIE AX 2	107445 (100%)	2021/dec/08	436.75
526551	AKIE AX 3	107445 (100%)	2021/dec/08	436.98
529015	AKIE 31	107445 (100%)	2021/dec/08	366.10
529025	AKIE 31A	107445 (100%)	2021/dec/08	17.44
529026	AKIE 31B	107445 (100%)	2021/dec/08	17.43
546692	AKIE 41	107445 (100%)	2021/dec/08	436.54
546693	AKIE 40	107445 (100%)	2021/dec/08	348.69
549880		107445 (100%)	2021/dec/08	366.47
549884		107445 (100%)	2021/dec/08	52.33
549887	IN	202429 (100%)	2021/dec/08	17.46
549888	AK	202429 (100%)	2021/dec/08	17.45
553647		202429 (100%)	2021/dec/08	226.76
553649		202429 (100%)	2021/dec/08	122.21
553654	1.1	202429 (100%)	2021/dec/08	52.35
555813	HSH	107445 (100%)	2021/dec/08	192.36
557781	ROME	107445 (100%)	2021/dec/08	17.47

Table 1: Akie Block Claims and Status

3.2 Infrastructure

Roads: The entire region is covered with an extensive network of all weather forestry service roads originating in the vicinity of Mackenzie. The Akie Mainline FSR provides direct access into the central area of the property.

Air: There are several gravel airstrips located along the shores of the Williston Lake reservoir and Finley River basin, the closest being located at the village of Tsay Keh Dene some 65 kilometres south west of the property. Regularly scheduled commuter flights provided by Northern Thunderbird Air service the communities of Tsay Keh Dene and Kwadacha

Electricity: The hydroelectric W.A.C Bennet dam located on the Peace Reach of the Williston Lake reservoir supplies power to the nearby Kemess Cu-Au mine via the Kennedy substation located near Mackenzie, BC.

Water: There are barge services that operate out of Mackenzie on the Williston Lake reservoir providing intermittent services to the local first nation’s communities and the forestry industry.

Rail: Mackenzie provides the closest access to railways.

3.3 Climate

The region has a variable climate with temperatures ranging from 15°C to 30°C in the summer and -10° to -30°C in winter. Precipitation can be variable from year to year with moderate rainfall in summer with temporary snow accumulations at higher elevations and moderate snow accumulations in the winter months.

3.4 Physiography

The Akie property is characterised by northwest-southeast oriented ridgelines bounded by the east west running Akie River valley to the south east with elevations ranging from 850 metres within the valley to 2200m in elevation at the peaks. Ridges and mountain tops above the tree line are either devoid of vegetation or covered by alpine meadows. The remainder of the property is thickly forested and dominated by species such as lodgepole pine and black spruce that prefer the mountain slopes and alder, willows and birch bordering the creeks and rivers.

Abundant unnamed mountain streams and creeks feed into the larger Silver Creek which runs parallel to the ridgelines, divides the property and ultimately drains into the Akie River.

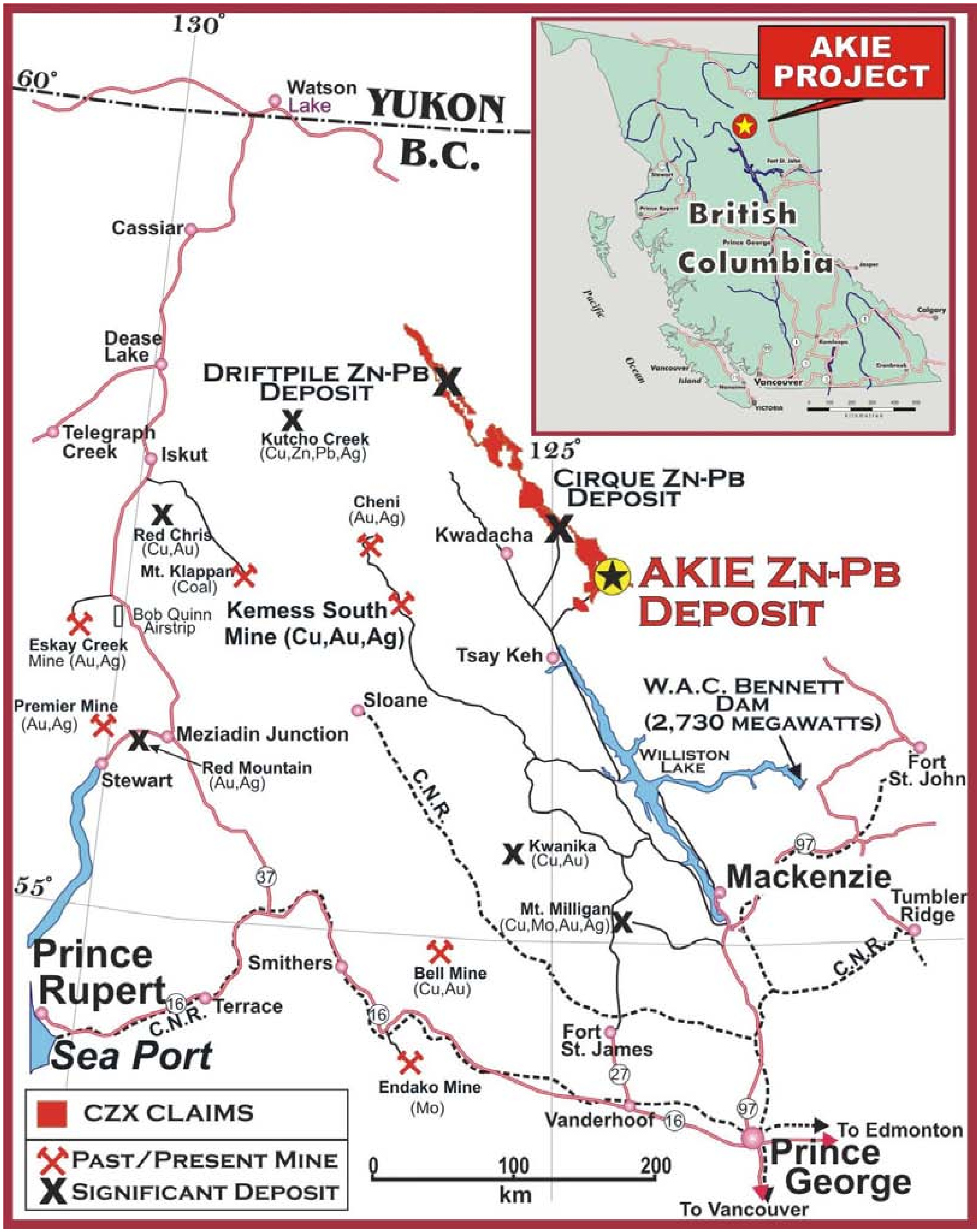


Figure 1: Akie Property Location Map and Claim Map

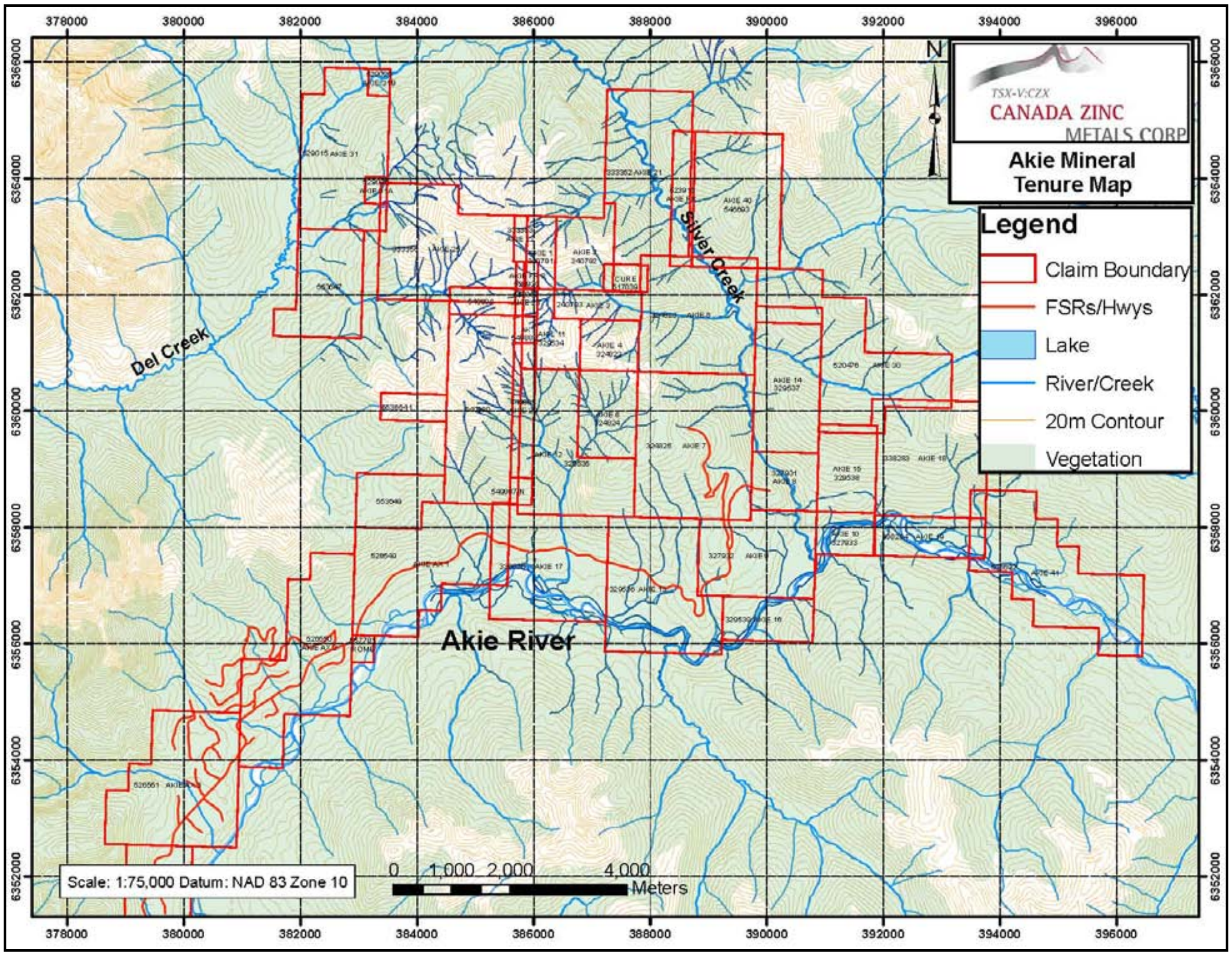


Figure 2: Akie Property Claim Map

4.0 Exploration History

Exploration on the Akie property has been intermittent since the late 1970’s marked by short periods of intensive activity. To date, up to and including 2010, there have been 83 drill holes drilled into the Akie property totalling some 39,411.14 metres. The following, lists in chronological order the sequence of industry exploration.

1978 Riocanex staked the area based on anomalous lead values in regional stream sediment samples. The claims were staked as the Dog claims, the predecessor to the Akie claims.

1979 - 1981 Riocanex conducted an extensive soil sampling program defining a series of Pb, Zn, Ag and Ba anomalies. This work was complimented with VLF surveys.

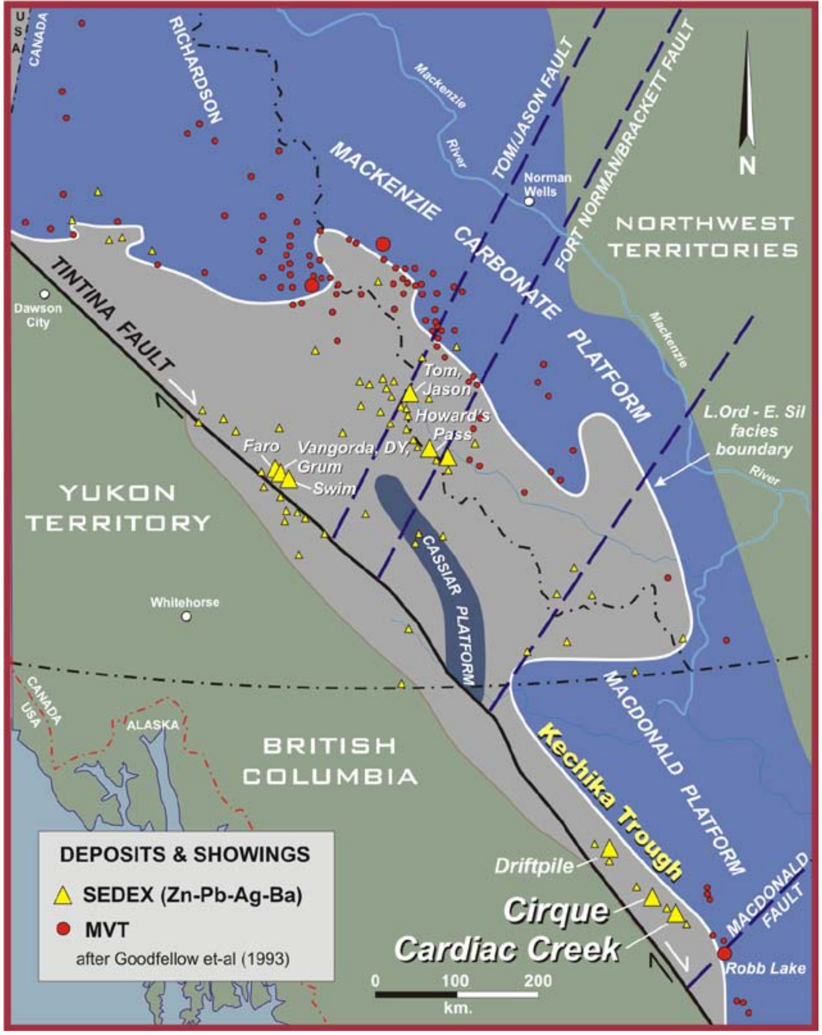
1985 Riocanex allowed the Dog claims to lapse.

1989 Ecstall Mining Corp. staked the Akie claims 1 through 3.

1992 Ecstall Mining Corp. optioned the property to Inmet Mining Corp. (formerly Metall Mining Inc.)

1992 - 1994	Inmet Mining Corp. conducted an extensive soil sampling program, preliminary geological mapping and VLF/resistivity and magnetometer surveys which resulted in the identification of numerous Pb, Zn, Ag and Ba anomalies. The claims were expanded to include claims Akie 4 through to 17.
1994	Inmet Mining Corp. continued its soil sampling and prospecting program resulting in the discovery of the gossanous outcropping within Cardiac Creek. A subsequent drill program identified the mineralised horizon now known as the Cardiac Creek deposit (12 drill holes totalling 3753.20 metres).
1995	Inmet Mining Corp. continued to define the Cardiac Creek deposit with additional drilling (7 drill holes totalling 5314 metres).
1996	Inmet Mining Corp. continued to define the Cardiac Creek deposit with additional drilling. This work produced a historical non-compliant resource (12Mt @ 8.6% Zn, 1.5% Pb, 17.1g/t Ag) (MacIntyre, 2005). Property scale exploratory drilling of identified soil anomalies intersected mineralisation located in Bear Valley, some 2.5 kilometres northwest of the deposit (10 drill holes totalling 4483.10 metres).
2005	Ecstall Mining Corp. optioned the property to Mantle Resources Inc.
2005	Mantle Resources Inc. commissioned Don MacIntyre to complete a 43-101 compliant report on the Akie property and initiated a drilling program testing the core of the defined historical resource within the Cardiac Creek deposit. Results established the presence of a higher grade core within the historical resource area (4 drill holes totalling 1998.90 metres).
2006	Mantle Resources Inc. continued to define the high grade core of the Cardiac Creek deposit with additional drilling (11 drill holes totalling 4480.37 metres).
2007	Mantle Resources Inc. expanded upon the high grade core of the Cardiac Creek deposit with additional drilling (12 drill holes totalling 6526.26 metres). Detailed mapping and sampling were conducted across the property. Environmental baseline studies were initiated on the property.
2008	Mantle Resource Inc. completed a takeover of Ecstall Mining Corp. acquiring a 100% ownership in the Akie property and changed its name to Canada Zinc Metals Corp. A 43-101 compliant resource figure was calculated for the Cardiac Creek deposit establishing a resource of 23.6Mt @ 7.6% Zn, 1.5% Pb, 13g/t Ag (MacIntyre & Sim 2008). Drilling continued in order to expand the Cardiac Creek deposit. Exploratory drilling in Bear Valley encountered additional mineralisation (14 drill holes totalling 6226.15 metres). Mapping continued with a focus on Bear Valley.
2009	Prospecting discovered the GPS bedded barite showing hosted in black shales, similar to those of the Gunsteel shale, located along the north western edges of the Akie property and directly along strike from the Cirque deposit to the north.

Figure 3 Depositional Setting



5.0 Geology

5.1 Regional Geology

The regional geology present in the vicinity of the Akie property has been described in detail by Don MacIntyre in a 43-101 report entitled *Geological Report on the Akie Property* prepared for Mantle Resources (now Canada Zinc Metals) in 2005. For a comprehensive review of the geology of the Akie River district refer to the 1998 BC Ministry of Energy and Mines Bulletin 103 entitled *Geology, Geochemistry and Mineral Deposits of the Akie River Area, Northeast British Columbia* by Don G. MacIntyre. The following represents a summary of the information contained within these reports.

The Akie property is situated within the Rocky Mountain fold and thrust belt of north eastern British Columbia and hosted in the central portion of the Kechika Trough. The trough is interpreted to be the south eastern extension of the expansive sedimentary Selwyn Basin bounded by shallow water sedimentary rocks characteristic of the Cassiar (west) and MacDonald platforms (east) (MacIntyre, 1998) situated along the ancestral continental margin of North America and host to clastic and carbonate rocks ranging in age from the late Cambrian to late Triassic (MacIntyre, 2005) (Figure 3).

A generalised stratigraphic column can be seen in Figure 4 depicting the key geological units. These units are summarised below. The regional geology and legend can be seen in Appendix 2.

Kechika Group

The oldest rocks exposed in the central portion of the trough are those attributed to the Kechika Group, a collection of calcareous argillites and argillites of late Cambrian to Early Ordovician age (MacIntyre 1998). In the vicinity of the property the Kechika Group rocks are characteristically identified as variably calcareous siltstones to argillites containing boudinaged limestone interbeds and a “wavy” primary cleavage (Ferri *et al* 1999, Demerse and Hopkins 2008).

Road River Group (Ordovician to latest Middle Devonian)

The rocks of the Road River Group unconformably overlies those of the Kechika Group and represent a collection of fine grained sedimentary rocks, carbonates and minor volcanic of Lower Ordovician to Late Silurian age (MacIntyre 1998).

There are three distinct geological units present in Lower Road River Group: the Lower Ordovician black graptolitic shales and mudstones (MacIntyre 1998); the Late Ordovician Ospika volcanics characterised by discontinuous horizons of diorite sills, mafic to andesitic flows, ankeritic volcanic tuffs and quartz crystal lapilli tuffs intercalated with the fine grained shales and siltstones (MacIntyre 1998, MacIntyre 2005, Demerse and Hopkins 2008); and the late Silurian tan weathering dolomitic to variably calcareous well bedded dark grey siltstones and silty shales commonly known as the Silurian siltstone. (MacIntyre 1998).

The thick build-ups of micritic to fossiliferous carbonate rocks of the Akie, Kwadacha and Pesika Creek reefs characterise the rocks of the upper Road River group which disconformably overlie the Silurian Siltstone and are of Early to Late Middle Devonian age (MacIntyre 1998). The reefs are flanked by a rusty weathered collection of black chert, shales, siltstones and limestone debris flows known as the Paul River formation (Pigage 1986).

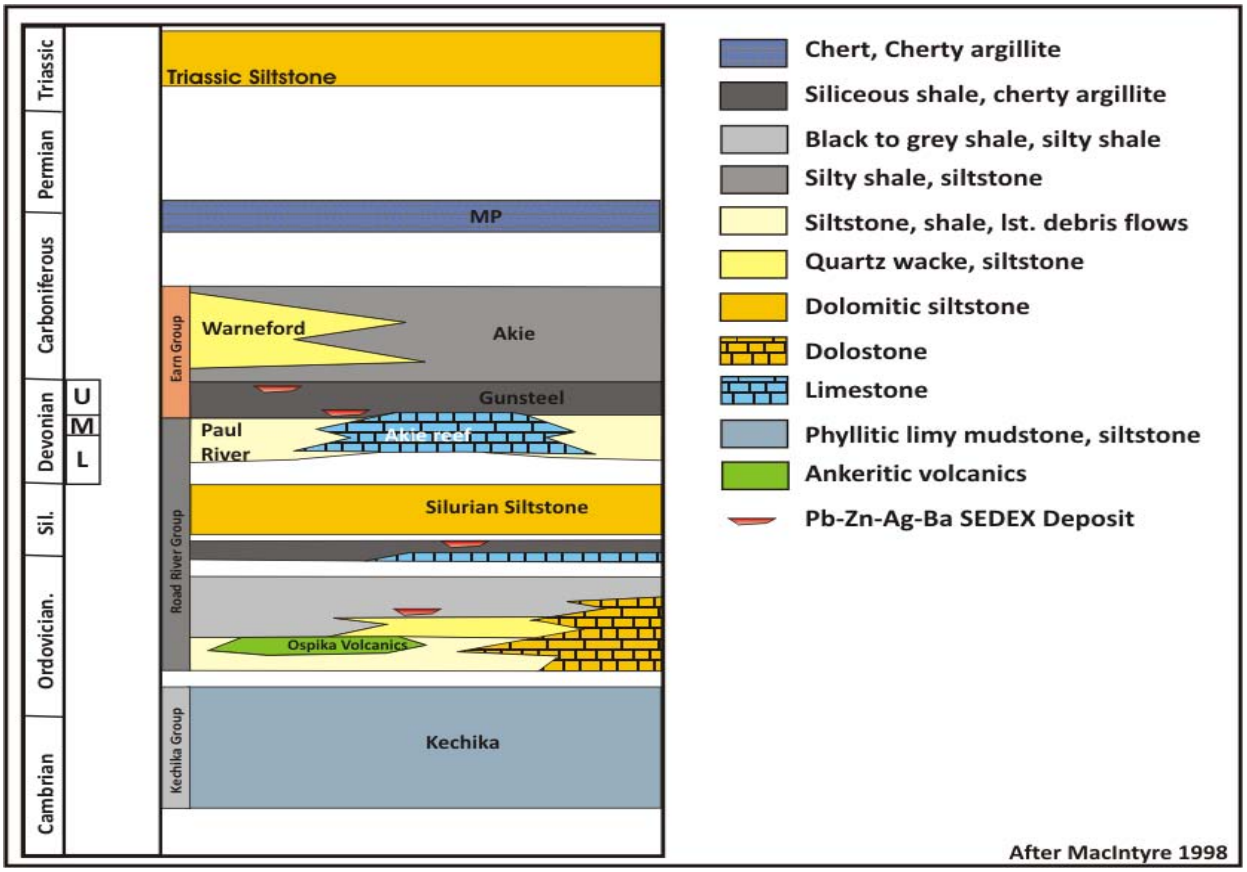


Figure 4: Kechika Trough Generalised Stratigraphic Section (after MacIntyre 1998)

Earn Group (middle Devonian to Mississippian)

Rocks of the Earn group conformably overlie those of the carbonate reefs as well as the Silurian siltstone and are characterised by carbonaceous shales, cherty argillites, phylittic shales and coarse quartzose turbidites of Middle Devonian to Mississippian age (MacIntyre 1998). The Earn Group has been divided into three distinct Formations, the Warneford, the Akie, and the Gunsteel (Pigage 1986, MacIntyre 1998).

The rocks of the Gunsteel Formation are the oldest within the Earn Group of Middle to Late Devonian age. They weather to a distinctive “Gunsteel” blue and are represented by a collection of carbonaceous and siliceous shales, argillites and cherty argillites (MacIntyre 1998). The Gunsteel formation is the primary group of prospective rocks within the Kechika Trough hosting the Cirque, Cardiac Creek, and Driftpile deposits as well as the Fluke, Elf, Pie and Mount Alcock prospects.

The Gunsteel rocks are overlain by those of the Akie Formation characterised by soft, medium to dark gray phylltic shales to silty shales and siltstones which typically weather to a rusty brown, tan or silvery colour (MacIntyre 1998, Demerse and Hopkins 2008).

The youngest group of rocks within the Earn Group, the Warneford Formation, are interpreted to be proximal to medial turbidites characterised by grey weathered chert pebble conglomerates, quartz wacke and siltstones and are intercalated with those of the Akie Formation (MacIntyre 1998).

5.2 Regional Structure

Pigage 1986 and MacIntyre 1998 have described the structural setting of the Kechika trough as being:

> “Typical of the thin-skinned tectonic style of the Rocky Mountain Fold and Thrust Belt with northeast vergent compression causing the detachment of Palaeozoic strata from the rigid crystalline basement, partially stacking and also folding the relatively incompetent plates along a series of imbricate thrust faults.”

Thrust faulting across the Kechika Trough is observed to alter the structural style of folding. To the west imbricate southwest dipping listric thrust faults bound asymmetric northeast verging overturned folds. To the east, northeast dipping thrust faults bound a series of minor synforms and truncated folds. This folding across the trough describes an overall antiform. The thrust faults have been interpreted to be reactivated high–angle growth faults that bound the former depositional trough (MacIntyre 1998).

Work by Pigage (1986) indentified two coaxial phases of deformation at the Cirque deposit. The primary deformation event (D_1) is evident with the presence of northeast vergent tight asymmetric folds with gently dipping southwest limbs and steep to overturned northeast limbs. Shales will typically display a penetrative slaty cleavage that is axial planar to the D_1 folding. The second deformation event (D_2) has folded the S_1 cleavage developing a crenulation cleavage that is axial planar to the late, open to upright northeast verging folds (Pigage 1986).

Throughout the central portion of the Kechika trough east, northeast and north trending high-angle faults, some with a minor strike slip component, have offset the stratigraphy. These have been interpreted to be related to an oblique compressional event, Tertiary in age (MacIntyre 1998).

GROUP	FORMATION	LITHO CODE	DESCRIPTION
Earn	**Warneford**	**2SH, 2RB, 2BX, 2SS**	Poorly understood lithologies of grey to black shales, sandstones, ribbon bedded siltstones.
Earn	**Warneford**	**2SST**	A light to medium grey quartzose siltstone grading to coarse sandstone with layers of black sand. Interbedded within the Gunsteel Shales. Originally interpreted as part of the Gunsteel Formation.
Earn	**Akie**	**3SH**	Medium to dark grey soft, phyllitic mudstone/shale. Can be waxy or soapy to touch.
Earn	**Akie**	**3TS**	Gradational contact between the medium to dark grey soft phyllitic shales and mudstones of the Akie and the black carbonaceous and siliceous shales of the Gunsteel. Weathers to alternating bands of light green to off-white to black.
Earn	**Gunsteel**	**4SH**	Black carbonaceous and graphitic siliceous shales with

			disseminated fine grained pyrite.
Earn	**Gunsteel**	**4SS**	Thinly bedded light grey limy muds or calcareous siltstones interbedded with the black shales of the Gunsteel.
Earn	**Gunsteel**	**4FSH**	Variably sized angular to sub rounded fragments of calcareous siltstone, shale and rare limestone hosted within the black shales of the Gunsteel.
Earn	**Gunsteel**	**4PYSH**	Bands, 5 to 10cm thick, comprised of finely laminated dull brown pyrite, blebby to nodular off-white barite and laminated black mud interbedded with the black shales of the Gunsteel. Usually associated with minor to abundant calcareous, 2 to 5cm diameter concretions.
Earn	**Gunsteel**	**4BSH/4MBSH**	Blebby to nodular off-white barite and/or laminated to bedded off-white granular to sandy looking barite typically interbedded with dull brown fine grained pyrite.
Earn	**Gunsteel**	**4MPSH (Proximal Facies)**	Bands, 10 to 50cm thick, comprised of laminated dull brown very fine grained pyrite, lesser amounts of blebby to nodular off-white barite interbedded with the shales of the Gunsteel.
Earn	**Gunsteel**	**4CC (Cardiac Creek Zone Facies)**	Bands, 20cm to over 1m thick, of laminated very fine grained pyrite, steel grey sphalerite and purple silver galena with minor laminated to bedded off white granular barite interbedded with the shale of the Gunsteel. Angular to sub-rounded laminated calcareous sulphide clasts are present throughout the mineralized zone.
Earn	**Gunsteel**	**4MS**	Semi-massive to massive sulphides, 1 to 6m thick, comprised of bright brassy yellow coarse pyrite, crudely banded to well laminated with stringers of steel grey sphalerite and coarse galena. Carbonate veinlets hosting pyrobitumen and pyrite crosscut the sulphide lens. This unit typically grades into the underlying debris flow.
Road River	**Paul River**	**5SS**	Black siliceous shales hosting abundant light grey thinly bedded debris flow beds, usually graded.
Road River	**Paul River**	**5SH**	Black siliceous shales hosting disrupted beds of pyritic, carbonate speckled chert beds, sub-millimetre, fine grained pyrite laminations and scattered pyritic/carbonate blebs.
Road River	**Paul River**	**5BXLS**	Variably sized angular to subrounded clasts of fossiliferous limestone, calcareous siltstone, shale hosted in a black carbonaceous mudstone. The debris flow can be locally clast supported. Locally the matrix can be replaced by bright brassy yellow coarse grained pyrite and minor steel grey to pink sphalerite and galena.
Road River	**Kwadacha/Akie Reef**	**5BLS, 5LS**	Light grey fossiliferous to micritic limestone.
Road River	**Silurian Siltstone**	**6CSS, 6SS, 6SH, 6LS**	Light to medium grey variably calcareous siltstone, poorly to well laminated, with minor dark grey silty shale, and micritic limestone. The silty shale can be locally bioturbated.

Table 2: Drill Geology

5.3 Property Geology

The geology of the Akie property can be subdivided into east and west segments by Silver Creek. To the west, rocks of the Kechika Group and Road River Group are imbricated and thrust upon a thick panel of Earn Group, Gunsteel Formation shales that host the Cardiac Creek deposit. The Gunsteel shales form an overturned syncline representing the western limb of a large anticline and are underlain by the dolomitic to weakly calcareous siltstones of the Road River Group. The siltstones straddle Silver Creek and represent the core of a large anticline central to the property. East of Silver creek the eastern limb of the anticline gives way to a series of minor synforms and antiforms comprised of Earn Group rocks; Gunsteel and Akie Formation shales and Warneford Formation coarser clastics. The eastern edge of the property is bounded by an east-dipping thrust fault stacking fossiliferous limestones of the Kwadacha Reef and Road River siltstones over the rocks of the Earn Group. In general the geology of the central Akie property has been described as a large anticlinorium bounded by outwardly dipping thrust faults (MacIntyre 1998). Minor thrusting and faulting is observed across the property, each producing a generally unknown degree of displacement. The geology of the Akie property can be seen in Figure 5.

Drilling on the Akie property has focused primarily on the rocks of the Gunsteel Formation and to a lesser degree those of Akie, Warneford and Paul River Formation, the Silurian siltstones and other rocks of the Road River Group. The drill geology is summarised above in Table 2.

6.0 Cardiac Creek Deposit

Discovery of the Cardiac Creek deposit in 1994 (MacIntyre & Sim 2008) is recent in comparison to other known occurrences of Pb, Zn, Ag, Ba mineralisation found within the Kechika Trough, such as the Cirque and Driftpile deposits, and the Mt. Alcock, Pie, Fluke and Elf occurrences, all of which were discovered prior to 1980. The deposit attributes its name to its discovery by prospecting by Paul Baxter and his exploration team along Cardiac Creek. Initial drilling programs conducted by Metall Mining/Inmet Mining from 1992 to 1996 defined a historical non 43-101 compliant resource of 12Mt @ 8.6% Zn, 1.5% Pb, 17.1g/t Ag (MacIntyre, 2005). Recent drilling undertaken by Canada Zinc Metals, formerly Mantle Resources, produced a 43-101 compliant resource figure of 23.6Mt @ 7.60% Zn, 1.50% Pb, and 13.0g/t Ag at a cut-off grade of 5% Zn. For the complete report on the Cardiac Creek deposit resource calculation please refer to the detailed 43-101 report entitled *Technical Report: Geology, Diamond Drilling and Preliminary Resource Estimation, Akie Zinc-Lead-Silver Property, Northeast British Columbia, Canada* by Donald G. MacIntyre and Robert C. Sim and filed on SEDAR.

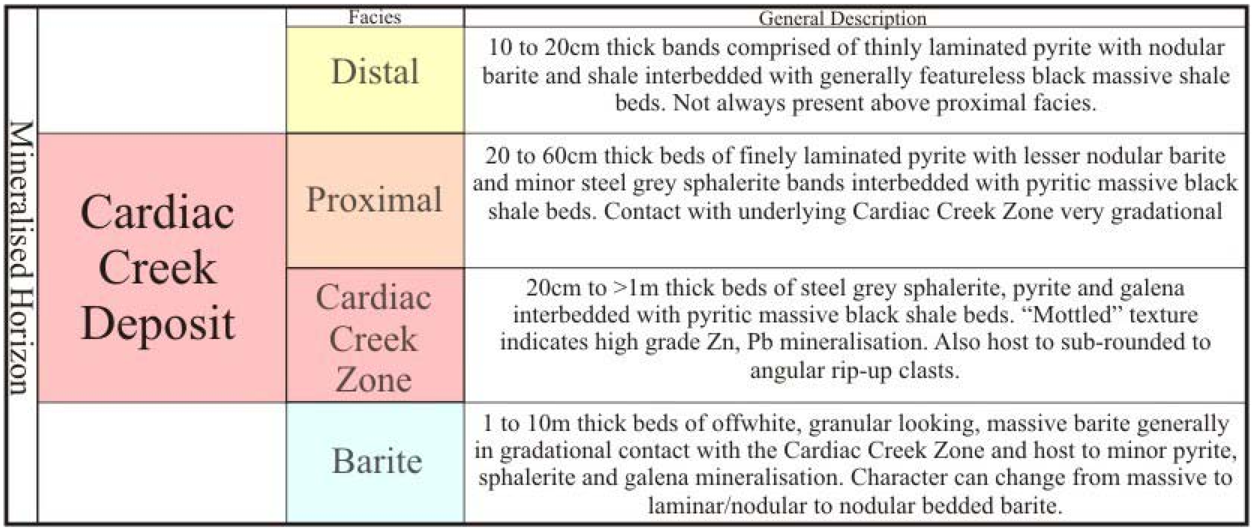
The location of the deposit is central to the Akie property claim block, situated under both the Cardiac and Avalanche Creek beds, which drain into the NW-SE oriented Silver Creek (Figure 6).

6.1 Character

In general, the Cardiac Creek deposit is situated at the base of the Gunsteel Formation in close proximity to the Gunsteel-Road River Group contact and separated by a thin sliver of debris flow associated with the Paul River Formation. The deposit is interpreted to be a SEDEX type body of Pb, Zn, Ag mineralisation and is represented by a “sheet-like” tabular body of interbedded sulphides and shale trending NW-SE, though striking at 130 degrees and dipping at 70 degrees SW, and ranging in thickness from 5 to 50 metres thick. The mineralised horizon can be traced over 6 kilometres from Bear Valley Creek down to the Akie River. The known economic portion of the deposit has an approximate strike length of 1300 metres and extends from surface down to the 800 metre elevation. The sulphide mineralogy of the deposit is relatively simple and is dominated by pyrite, barite (sulphate), sphalerite and galena. Internal petrological reports have identified a rare occurrence of Stannite (Sn oxide) although no systematic petrological study of the mineralogy has taken place. Analytical data collected from sampling of drill holes has identified enrichment in the following suite of elements: Pb, Zn, Ag, Ba, Fe, Cd, Sn, Tl, Hg, S, Pd(?), In and Ga associated with the Cardiac Creek deposit.

6.2 Mineral Facies

The prospective mineralised horizon associated with the Cardiac Creek deposit can be attributed to several distinct mineral facies present within the Gunsteel Formation stratigraphy; Distal; Proximal; Cardiac Creek Zone and Barite facies (Figure 7). A schematic distribution of mineral facies across the deposit can be seen in Figure 8.



		Facies	General Description
Mineralised Horizon		Distal	10 to 20cm thick bands comprised of thinly laminated pyrite with nodular barite and shale interbedded with generally featureless black massive shale beds. Not always present above proximal facies.
	Cardiac Creek Deposit	Proximal	20 to 60cm thick beds of finely laminated pyrite with lesser nodular barite and minor steel grey sphalerite bands interbedded with pyritic massive black shale beds. Contact with underlying Cardiac Creek Zone very gradational
		Cardiac Creek Zone	20cm to >1m thick beds of steel grey sphalerite, pyrite and galena interbedded with pyritic massive black shale beds. “Mottled” texture indicates high grade Zn, Pb mineralisation. Also host to sub-rounded to angular rip-up clasts.
		Barite	1 to 10m thick beds of offwhite, granular looking, massive barite generally in gradational contact with the Cardiac Creek Zone and host to minor pyrite, sphalerite and galena mineralisation. Character can change from massive to laminar/nodular to nodular bedded barite.

Figure 7: Mineral Facies associated with the Cardiac Creek deposit.

Distal Facies

The distal facies is interpreted to represent the distal expression of the deposit both in the immediate HW and along strike. This facies is represented by 10 to 20 centimetre thick bands individually comprised of interbedded, thinly laminated, fine grained, dull brown pyrite, black shale and off-white nodular barite (commonly replaced by carbonate and brassy yellow euhedral pyrite) interbedded with generally featureless black Gunsteel shale (Plate 1). This facies can range in thickness from 10 to 30 metres with an overall sulphide content ranging from 5 to 15% and Zn and Pb grades reaching <0.1 to 0.5%, and <0.1% respectively. This facies is not always present in the immediate HW or along strike to the deposit. Several additional horizons of identical character have been recognised further into the HW and are interpreted to represent separate mineral horizons possibly post-dating the Cardiac Creek mineral horizon.

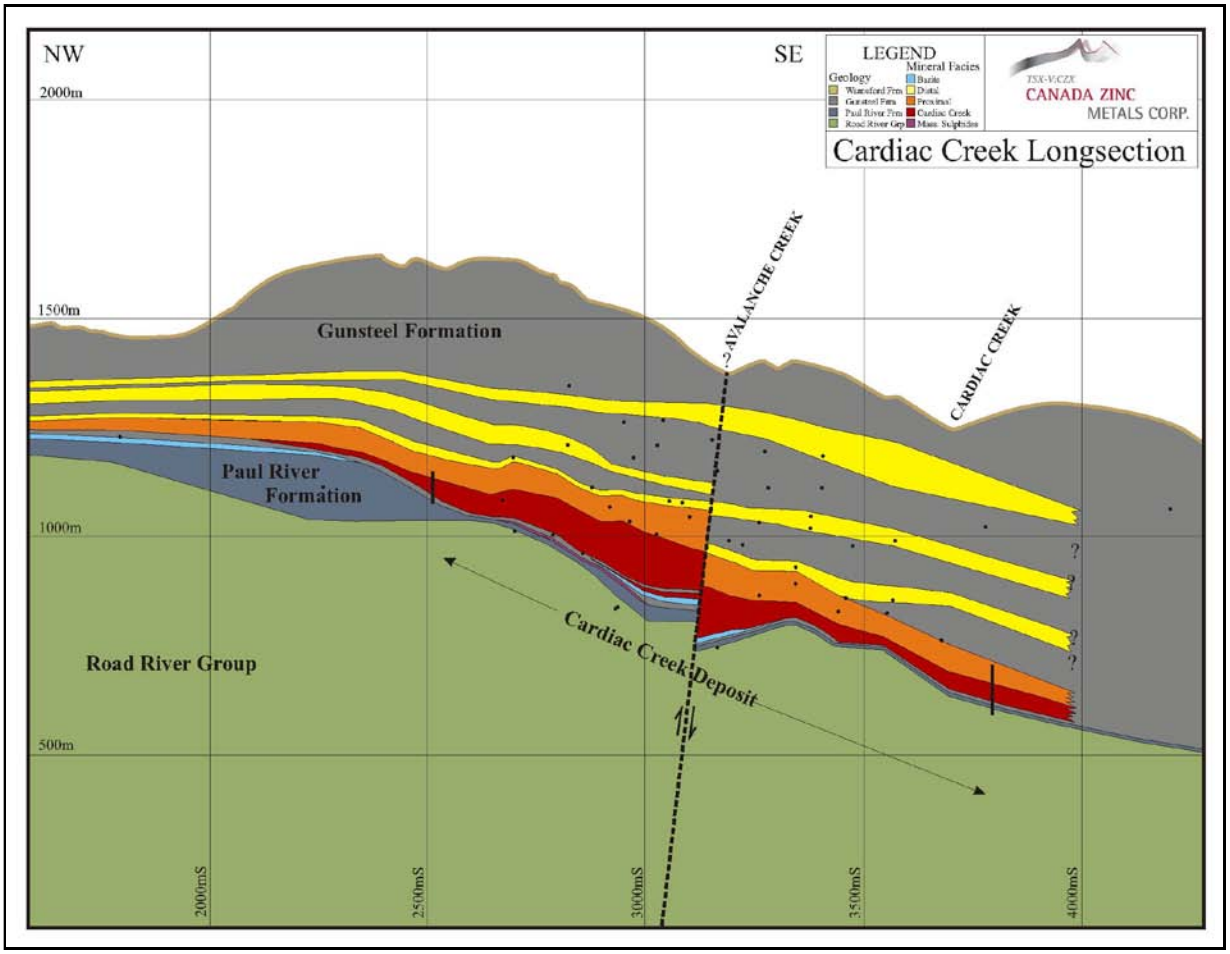


Figure 8: Schematic distribution of mineral facies across the Cardiac Creek deposit.

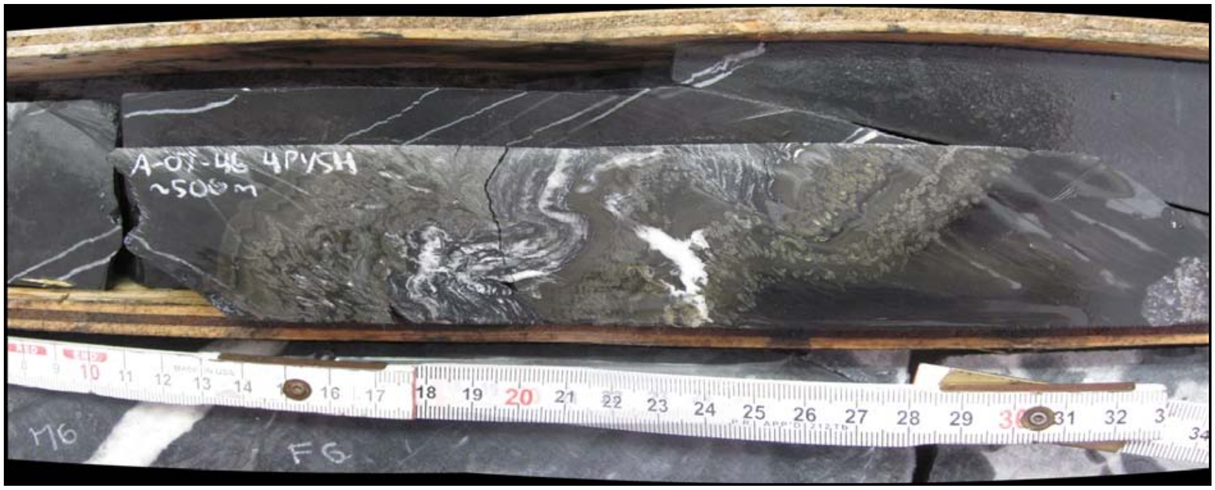


Plate 1: Laminated Py and nodular Ba interbedded with shale representative of Distal Facies mineralisation in A-07-46 @ 506.00m.

Plate 2: Interbedded Py and shale representative of the Proximal Facies in A-07-46 @619.40m.

Proximal Facies

The proximal facies is interpreted to represent the upper portion of the deposit and consists of 20 to 60 centimetre thick, internally laminated, very fine grained, dull brown pyrite beds with very minor amounts of nodular barite (generally sub-millimetre and replaced by carbonate and brassy yellow Py) interbedded with featureless pyritic massive black shale beds (Plate 2). The appearance and concentration of steel grey sphalerite bands increases towards the base of the proximal facie with a very gradational boundary between the proximal and Cardiac Creek zone facies (Plate 3). The determination of this boundary is subjective but in general is marked by the substantial increase in sphalerite banding within the pyrite beds. The facies ranges in thickness from 5 to 30 metres in which the overall sulphide content reaches 30 to 50%. Zinc and Pb grades are on the order of 0.5 to 3% and up to 0.5% respectively.

Plate 3: Bedded Py with minor sphalerite bands within Proximal Facies from A-07-46 @ 618.60m. Laminated Rip-up clast present on the left side of the drill core.

Cardiac Creek Zone Facies

The Cardiac Creek Zone facies represents the lower segment of the deposit and consists of 30 to 200 centimetre thick sulphide beds internally comprised of; laminated very fine grained, dull brown pyrite; very fine grained steel grey sphalerite bands with minor galena; and barite interbedded with generally featureless pyritic black Gunsteel shale beds. The facies ranges in thickness from 5 to 40 metres with sulphide content reaching 50 to 70% and Zn, Pb and Ag grades of 3 to 30%, 1 to 5%, and 5 to 30g/t, respectively. Higher grade Zn and Pb mineralisation is associated with a "mottled" texture hosted within the sphalerite bands (Plate 4). Similar to upper, the lower contact is gradational with the barite facies (Plate 5). Also hosted within the facies are numerous angular to sub-rounded, bedded, light grey white to dark grey clasts interpreted to represent rip-up clasts deposited within the sulphide beds (Plate 3).

Plate 4: High grade sphalerite mineralisation displaying "Mottled" texture in Cardiac Creek Zone facies in A-07-47 @ 375.60.

Plate 5: High grade Sp mineralisation displaying mottled texture interbedded with granular Ba beds in A-10-73B @ 617.40m.

Barite Facies

The deposit is underlain by the barite facies (Figure 9). This facies changes in character across the deposit from thickly bedded (1 to 10 metre) off-white, granular, massive beds of barite interbedded with minor pyrite, sphalerite and or galena (Plate 6), to thinly bedded barite with nodular barite, to strictly nodular barite with little to no sulphide mineralisation.

Plate 6: Massive granular barite bed with minor pyrite (brown) in A-07-50 @574.30m.

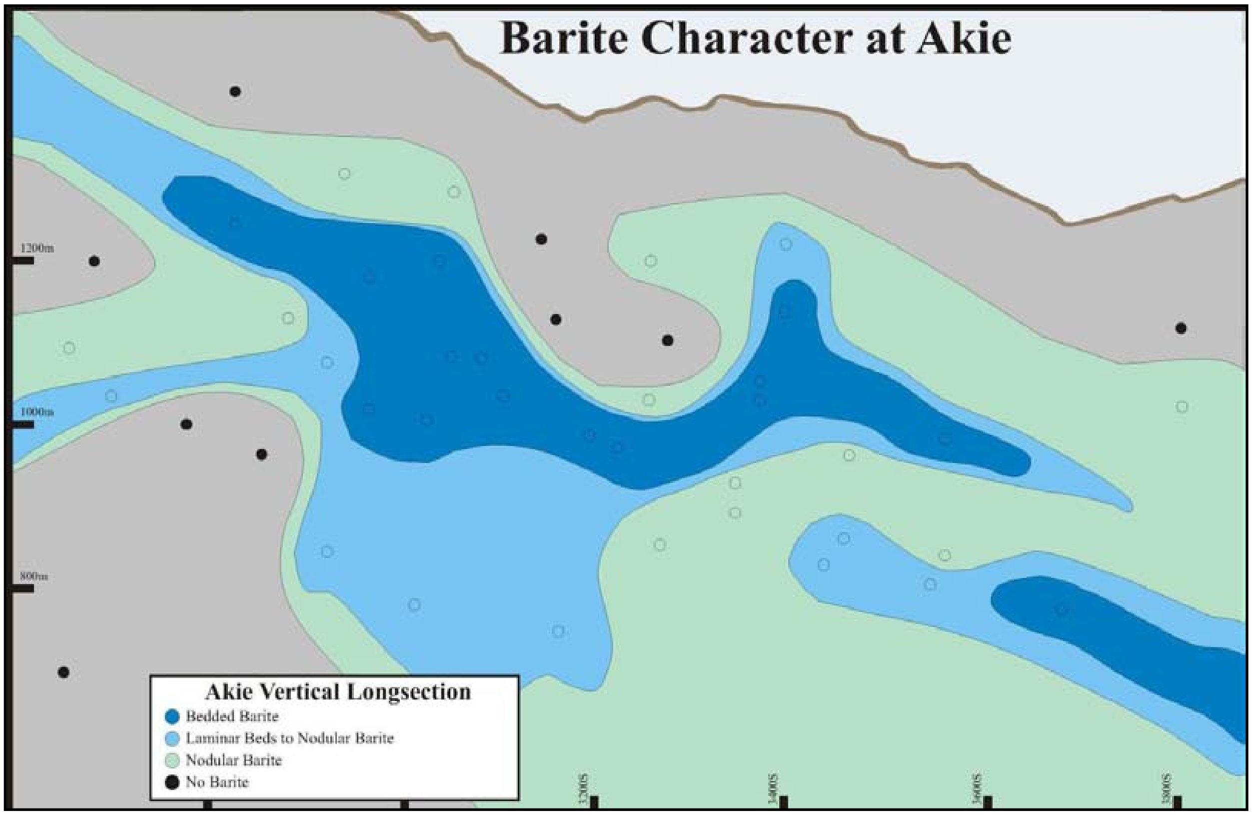


Figure 9: Barite Facies character across the deposit.

6.3 Vent Proximal Characteristics

The Cardiac Creek deposit is underlain by features that are suggestive of its proximity to a possible hydrothermal vent such as thin, crudely layered, semi-massive sulphide lens, sulphide replacement of the Paul River debris flow, and silicification, sulphide stringers and breccias, carbonate veining, barite needles and laths present within the immediate FW rocks of the Road

River Group siltstones (Plates 7 & 8). These features are generally concentrated across the core of the deposit with a rough correlation to the higher grade material (Figure 10).

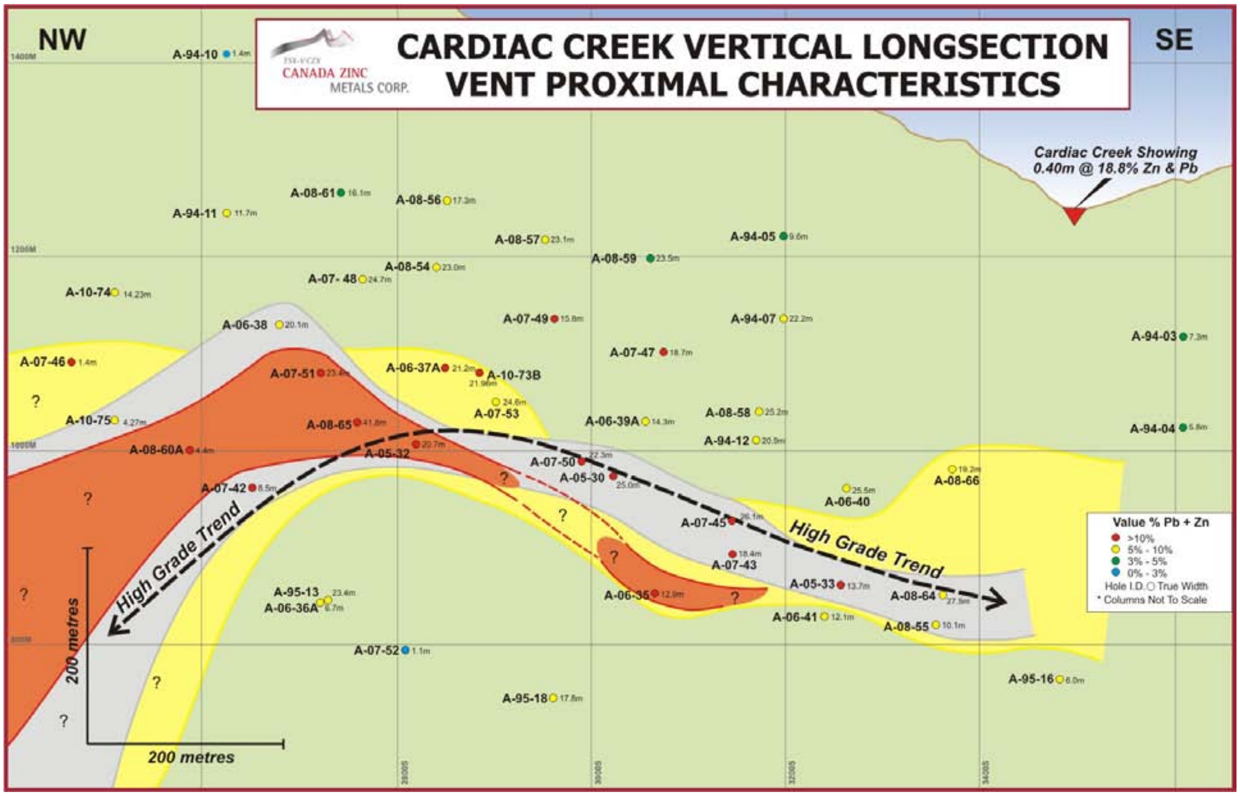


Figure 10: Long section view across the Cardiac Creek deposit depicting vent zone features.

Plate 7: Silicification and carbonate veining containing sphalerite in Road River rocks in A-08-63 @ 484m.

Plate 8: Sphalerite-rich sulphide breccia in Road River rocks in A-08-63 @ 479m.

7.0 Exploration Program

7.1 Introduction

The 2010 exploration program was based out of a trailer camp located at the 24.5km mark of the Akie mainline forestry service road, and is situated in an old Canfor forestry cut block (Plate 9). The camp can accommodate up to a maximum of 50 people. The camp is seasonal and was re-opened in early June. Diamond drilling operations began on the 28th of June and continued until the 15th of October. Exploration activities were completed by the 20th of October; however the camp remained open until the 1st of November to support a brief technical program beginning in late September and with its completion coinciding with the closure of the camp. Exploration personnel for the duration of the program fluctuated from ten to thirty people.

An expediter in Mackenzie provided logistical support for the camp, arranging the shipment of major supplies. Minor supplies were obtained locally from the village of Tsay Keh Dene located at the northern end of the Williston Lake reservoir.

There were a variety of contractors on site providing services to the program. The key contractors are listed below.

- **Coast Mountain Geological Inc.:** Provided administrative, logistical and technical support to the project in the form of geologists, geotechnicians, and a safety officer.
- **Rodren Drilling Ltd.:** Provided drilling services in the form of two modified heli-portable Boyles 37's diamond drills and personnel
- **Guardian Helicopters:** Provided helicopter support to the project.
- **ESS:** Provided catering and management services for the camp.
- **Kwadacha Natural Resources Agency & Ingenika Logging:** Provided local labour, and forestry services.
- **Minconsult Mining & Exploration Services Ltd.:** Provided carpentry and drill platform construction services.
- **Geotech Drilling:** Provided geotechnical drilling services.
- **Blackwater Construction:** Provided trail/road construction services.

Plate 9: Camp Photograph

Claimed expenditures on the Akie property during the 2010 exploration program total $5,126,360.91 spent primarily on drilling operations. The breakdown of these costs can be found in Appendix 3.

7.2 Program Objectives

The 2010 exploration program focused on three main targets on the Akie Property. The North Lead Anomaly, The Northwest Extension (NW Extension) and the Cardiac Creek deposit.

In addition to the exploration a short technical program consisting of trail construction and geotechnical drilling was proposed. Each of these objectives are summarised in their respective sections.

7.3 Field Protocol

The exploration procedures implemented during the course of the 2010 exploration program are outlined below

Drill Hole Numbering and Collar Locations

All of the drill holes were numbered in accordance with the historical scheme with "A" (for the Akie property) dash "10" (the year) dash "67" (the next hole number in sequence). If a particular hole was abandoned and re-collared, the hole number was suffixed with the letter "A". The collar location of each drill hole is marked by the drill hole casing which is left in the ground. A casing cap is then screwed into place with the engraved hole number, azimuth, dip, and depth of hole (Plate 10).

Down hole Surveys

Down hole directional surveys were taken at an average of every 30 metres (approximately 100 feet) using a Reflex EZ-Shot single-shot down-hole survey tool. This survey tool provided point measurements of azimuth and dip of hole with estimated precisions of ± 0.5° and ± 0.2°, respectively. Even allowing for a hypothetical depth to intersection of 550m, the propagated horizontal and vertical uncertainties on a longitudinal projection or cross-section do not exceed 5m and 2m respectively.

Plate 10: Capped Casing

Core Handling & Logging

All drill cores were boxed at the drill site and flown, via helicopter, to the camp for logging. Once received by the geotechnician, the beginning and ending depth of each box is recorded, each box is labeled with aluminum tags and the recovery and RQD are measured and recorded. The geologist logged their observations into the predefined logging template using a laptop computer. Samples were marked out by the geologist using, with a few exceptions, a maximum of 1.5 metre sample length. The geotechnician stapled an aluminum tag with the sample number at the start of a given sample interval. Drill holes were photographed in their entirety by a geotechnician prior to cutting of the samples.

Sampled intervals were cut in half by a core cutter using a diamond rock saw. The remaining core was returned to the core box as a record. The split sample was placed in a doubled-up polypropylene bag and each bag was secured with a zap strap.

The samples were then placed in polypropylene woven rice sacks, five to ten samples to a sack, and kept in secure storage to await transportation to the analytical laboratory in Vancouver. The drill core was stored on-site on constructed core racks and/or cross-piled on wooden pallets.

Sample Security

All samples were stored in a locked storage shed in camp to await transportation. The samples were then shipped backhaul via Gautier Ventures to Esso Fuels in Mackenzie. Under the supervision of the camp expediter, Vicki Podgorenko, the samples were then shipped to Acme Analytical Laboratories in Vancouver via bonded carriers PG Lite and Van Kam Shipping.

QA/QC Methodology

There was a strict QA/QC program in place for the 2010 exploration program. Pulverized blanks and a series of six standards were utilized. The blanks, standards or duplicate samples were inserted in random sequence into the numbered sequence of sampled core at intervals of every 10 samples. Acme Labs also applied their own QA/QC methods by systematically inserting standards, blanks and replicates into sample batches.

Analytical Procedures

All of the 2010 samples were analyzed by Acme Laboratories in Vancouver. Preparation of drill core involves crushing of samples the in their entirety utilizing crusher made of tool steel., The initial crush involves 80% passing a 10 mesh sieve. A split of 250 grams is taken and pulverized to 85% passing a 200 mesh sieve. A number of analytical packages were conducted on the samples.

Assays for the primary metals of interest, Zn, Pb, and Ag were obtained using the Acme's Group 7AX package. This involved a minimum 1 gram aliquot of the homogenized pulp which is digested in hot aqua-regia and analysed for a suite of 34 elements using inductively coupled plasma emission spectrometry (ICP-ES) as well as inductively coupled plasma mass spectrometry (ICP-MS). The detection limits for the key elements of Zn, Pb, and Ag are 5 parts per million (ppm), 0.5 ppm and, 0.5 ppm, respectively. Due to the insoluble nature of Barite whole rock analysis of certain samples was completed using Acme Group 4A package. This involves total fusion of a 0.1 gram split of the pulp using a lithium metaborate flux followed by digestion in dilute nitric acid. Subsequent analysis by inductively coupled plasma emission spectrometry (ICP-ES) returned a suite of 11 major oxides and 9 elements. The key element of interest was barium (Ba) with a detection limit of 5 ppm and an upper limit of 50,000 ppm.

Specific gravity (SG) measurements were made on the pulps of each sample using Acme's Group 812 package. A split of dry pulp is weighed to a class A volumetric flask. The two are weighed on a top-loading balance. The weights are recorded and calculated for specific gravity.

Drilling Conditions

The drilling conditions on the Akie property are less than ideal and can be attributed to several factors.

1. The intensity of the cleavage (plate 11) in the rocks.
2. Poor ground conditions associated with the brittle faulting encountered in the rocks of the Gunsteel Formation (plate 12).
3. Loss of water circulation down-hole due to the highly fractured nature of the rock.

As a result, the rate of drilling can be quite slow. The use of drilling additives such as muds, clays and polymers improves core recovery and the successful completion of drill holes.

Plate 11: Intensity of cleavage, Hole A-06-36A boxes 16-18.

Plate 12: Bad ground associated with brittle faulting, A-08-60A Boxes 13 to 15.

7.4 North Lead Anomaly

The North Lead Anomaly target is located approximately 2.5 kilometres northwest of the Cardiac Creek deposit in Bear Valley, and host to a broad lead soil anomaly. The objective of the 2010 drilling on this target was to test the mineralization and alteration encountered in recent and historical drilling, both along strike and up-dip. A total of 4 drill holes were completed totaling 2584.79 metres. The collar information relating to these drill holes can be seen in Table 3 and a summary of each hole is provided in the following section.

7.4.1 Drill Hole Summary

Provided below is a summary of each drill hole that targeted the North Lead Anomaly. The particulars of each hole can be found in Table 3. Plan view and cross-sections displaying the locations of each drill hole can be found in Appendix 4. A detailed description of each drill hole can be found in the drill logs in Appendix 5.

HOLE ID	GRID S	GRID W	UTM E (m)	UTM N (m)	ELEV (m)	AZIMUTH (°)	DIP (°)	LENGTH (m)
A-10-67*	75	245	386800	6362343	1543	050	-78	553.83
A-10-68*	275	170	386610	6362445	1652	050	-78	808.29
A-10-70*	400	145E	386932	6362552	1656	050	-74	400.00
A-10-76*	475	90	386423	6362550	1729	050	-82	822.67

Table 3: 2010 North Lead Anomaly drill hole details, '*' denotes un-surveyed collar.

A-10-67

Drill hole A-10-67 was the first of four drill holes testing the North Lead Anomaly. The objective of this hole was to test the southeast strike extent of mineralization and alteration encountered in A-96-24, A-08-62, and A-08-63. Due to the general exploratory nature of the drill hole deviation was not crucial to its success.

The geology encountered in drill hole A-10-67 was generally unexpected and markedly different from the adjacent drill holes (24, 62, 63), suggesting the presence of a fault between the two sets of holes. The hole collared into the Gunsteel shales which persisted only to a depth of 185.90 metres. An interval of thinly to thickly bedded pyrite and nodular barite interbedded with the Gunsteel shale was intersected from 127.50 to 141.60 metres and is interpreted to represent the proximal facies of the Cardiac Creek deposit. No obvious sphalerite mineralization was observed within the sulphide beds. The base of the Gunsteel Formation was marked by an interval of thinly laminated pyrite and nodular barite grading to primarily nodular to laminar barite interbedded with the shales from 162.55 to 185.90 metres.

Beyond 185.90 metres, new lithological units of the Paul River Formation were recognized in addition to the previously indentified debris flows and fossiliferous limestone. From 185.90 to 273.78 metres abundant, thinly bedded, light grey, calcareous siltstone turbidite beds are interbedded with black shale, herein referred to as the Paul River silty shales. These silty shales are interbedded with lenses of the debris flow. Underlying the silty shales is the Paul River shale, described as a featureless black shale containing discontinuous, carbonate speckled, pyritic chert beds and host to very fine sub millimeter thick laminations of pyrite. It is present from 290.40 to

465.60 metres. The shale was also interbedded with lenses of debris flow. The base of the Paul River formation was marked by a 23 metre section of debris flow from 465.60 to 488.60 metres. The hole ended in calcareous siltstones of the Road River Group at a depth of 553.83 metres.

A-10-68

Drill hole A-10-68's objective was to test the northwest strike extent of mineralization and alteration encountered in A-96-24, A-08-62, and A-08-63. Due to the general exploratory nature of the drill hole deviation was not crucial to its success.

Once again the geology encountered in hole A-10-68 was generally unexpected and also markedly different from the adjacent drill holes (24, 62, 63) but very similar to A-10-67. This difference suggests the presence of a fault between this and the adjacent holes. The hole collared into black shales and mudstones hosting sub-angular to rounded, angular, lithic clasts for the initial 55.50 metres. This unit is interpreted to represent the Warneford Formation though it is poorly represented in the 2010 drill holes. The Gunsteel shale and its sub-lithological units were present from 55.50 to 656.63 metres. A very large interval comprised of thinly to thickly bedded pyrite, nodular barite and minor sphalerite interbedded with shales, interpreted to represent the proximal facies of the Cardiac Creek deposit, was present from 488.35 to 614.38 metres. The base of the Gunsteel Formation is marked by a thick interval of nodular barite from 629.57 to 656.63 metres. The Gunsteel Formation was underlain by silty shales to shales interbedded with debris flow lenses of the Paul River Formation from 656.63 to the end of hole at 808.29 metres.

A-10-70

Drill hole A-10-70 was designed to test the up-dip extent of the mineralization and alteration encountered in A-96-24, A-08-62, and A-08-63. Once again deviation of the drill hole was not an issue.

The hole collared into the Gunsteel shales extending to a depth of 151.46 metres before grading into siltstone and sandstone of the Warneford Formation. The Gunsteel shale underlies the coarse clastics and a small interval of nodular barite and pyrite was present at the base of the Gunsteel Dormation from 339.07 to 351.00 metres. The hole moved through a thin interval of debris flow and ended in the rocks of the Road River group at a depth of 400.00 metres.

A-10-76

Drill hole A-10-76 was the final hole of the 2010 exploration program and last hole to be drilled at the North Lead Anomaly. The objective was to test the northwest strike extent of the large interval of proximal facies pyrite mineralization encountered in A-10-68. Deviation was not an issue.

The geology of A-10-76 was similar to that of A-10-68. The hole collared into 255.22 metres of the poorly understood lithologies of the Warneford Formation underlain by the Gunsteel Formation shales, extending down to a depth of 768.65 metres. A large interval of interbedded pyrite, nodular barite and shale was intersected between 614.78 and 744.75 metres that are interpreted to represent the proximal facies. The hole shifted into the rocks of the Paul River Formation at a depth of 768.65, passing through the silty shales, lenses of debris flow and shales. The hole was terminated at a depth of 822.67 metres.

7.5 NW Extension

The NW Extension target is situated along strike from the Cardiac Creek deposit to the northwest, extending from the northwestern edge of the deposit to Bear Valley (North Lead Anomaly). The drilling on this target was designed to test the 1000 to 1200 metre elevation where the bulk of the deposit mineralization occurs. A total of 3 drill holes were planned on approximate 400 metre centers however 4 drill holes were completed totaling 1464 metres. The collar information relating to these drill holes can be seen in Table 4 and a summary of each hole is provided in the following section.

7.5.1 Drill Hole Summary

Provided below is a summary of each hole targeting the NW Extension. The particulars of each hole can be found in Table 4. Plan view and cross-sections displaying the locations of each drill hole can be found in Appendix 4. A detailed description of each drill hole can be found in the drill logs in Appendix 5.

HOLE ID	GRID S	GRID W	UTM E (m)	UTM N (m)	ELEV (m)	AZIMUTH (°)	DIP (°)	LENGTH (m)
A-10-69*	1425	50	387441	6361641	1475	050	-76	236.00
A-10-69A*	1425	50	387441	6361641	1475	050	-82	335.00
A-10-71*	1825	130	387637	6361283	1542	050	-76	443.00
A-10-72*	1025	110	387138	6361909	1510	050	-72	450.00

Table 4: 2010 NW Extension drill hole details, '*' denotes un-surveyed collar.

A-10-69

Drill hole A-10-69 was the first of four drill holes that tested the NW Extension. The intended target was the 1000 to 1200 metre elevation along the stratigraphic horizon where the Cardiac Creek deposit occurs. Deviation was not a factor, however, poor ground due to a brittle faulting forced the hole to be abandoned at a depth of 236 metres.

The hole collared into Gunsteel shales that were continuous throughout. At a depth of 207.05 metres an 18.47 metre thick interval of proximal facies mineralization consisting of thickly bedded pyrite interbedded with shale was intersected. Minor sphalerite mineralization was observed within this interval. The pyrite, sphalerite and galena-rich mineralization associated with the Cardiac Creek zone was not recognized. The hole was terminated in a brittle fault at a depth of 236.00 metres but appeared to be still within the proximal facies mineralization.

A-10-69A

Drill hole A-10-69A was collared at the same location as A-10-69. Due to the abandonment of the A-10-69 within proximal facies mineralization, the objective for drill hole A-10-69A was to push past this fault and continue to test the mineralization. The initial dip of the drill hole was steepened to -82 degrees. Deviation was not a factor and the intended target was achieved. The brittle faulting intersected in A-10-69 was successfully navigated.

The geology intersected within A-10-69A was essentially identical to that of A-10-69. The proximal facies mineralization was intersected from 223.10 to 234.19 metres. The development of this mineralization, despite the holes’ proximity to A-10-69, was less than expected with thinner pyrite beds, an increasing amount of nodular barite and no observed sphalerite mineralization. It was discovered that the fault represented the lower contact of the proximal facies mineralization. Below the fault, a small interval of shale and nodular to laminar barite was present, prior to the hole shifting into the underlying rocks of the Road River group where it was terminated at a depth of 335 metres.

A-10-71

Drill hole A-10-71 was situated closest to the deposit and continued to test the 1000 to 1200 metre elevation along the prospective stratigraphic horizon where the deposit occurs. Deviation was not a factor, however in general the prospective horizon was higher than expected in the stratigraphy.

The hole collared into the Gunsteel shale, the dominant lithology. Throughout the hole there were several minor horizons of nodular barite, to thinly laminated pyrite and nodular barite interbedded with the Gunsteel shale. An interval of thinly laminated to thickly bedded pyrite mineralization occurs at the base of the Gunsteel shales, from 325.14 to 340.60 metres, is interpreted to be the along-strike equivalent of the Cardiac Creek deposit. The mineralization was closely associated and intermixed with the Paul River debris flow from 340.60 to 349 metres. The hole was terminated in the siltstones of the Road River group at a depth of 443 metres.

A-10-72

The last drill hole targeting the NW Extension, A-10-72, continued to test the 1000 to 1200 metre elevation. Deviation was not a factor however once again the prospective horizon was much higher than expected.

The hole collared into the Gunsteel shales which persisted to a depth of 200 metres. Weakly developed mineralisation represented by; thinly laminated pyrite with nodular barite; and nodular to laminated barite interbedded with thinly bedded pyrite is present from 179.75 to 200 metres and was interpreted to be the along-strike equivalent of the Cardiac Creek deposit. The shales, silty shales and debris flows of the Paul River Formation are present from 200 metres to 456.86 metres. A thin 1.17 metre thick debris flow with a pyritic matrix containing sphalerite filled stringers/fractures was present from 299.40 to 300.57 metres and hosted within Paul River shales (Plate 13). This mineralisation represents a new prospective horizon within the Paul River Formation. The hole was terminated at a depth of 533 metres in sequences of shales, siltstones and limestone thought to be of the Road River Group.

7.6 Cardiac Creek Deposit

Diamond drilling on the Cardiac Creek deposit focused on the northwestern edge and central areas of the deposit in an attempt to provide additional information to help define those key areas. A total of 3 drill holes were completed totaling 2075.72 metres of drilling. The collar information relating to these drill holes can be seen in Table 3 and a summary of each hole is provided in the following section.

7.6.1 Drill Hole Summary

Provided below is a summary of each drill hole that targeted the Cardiac Creek deposit. The particulars of each hole can be found in Table 5. Plan view and cross-sections displaying the locations of each drill hole can be found in Appendix 4. A detailed description of each drill hole can be found in the drill logs in Appendix 5.

HOLE ID	GRID S	GRID W	UTM E (m)	UTM N (m)	ELEV (m)	AZIMUTH (°)	DIP (°)	LENGTH (m)
A-10-73*	3150	295	388365	6360159	1566	055	-74	71
A-10-73A*	3150	295	388365	6360159	1566	055	-78	32.95
A-10-73B*	3150	295	388365	6360159	1566	055	-72	652.30
A-10-74*	2725	190	388172	6360545	1700	060	-76	645.27
A-10-75*	2725	190	388172	6360545	1700	060	-82	778.15

Table 5: 2010 Cardiac Creek deposit drill hole details. '*' denotes un-surveyed collar.

A-10-73B

Drill hole A-10-73B was the first of three holes targeting the Cardiac Creek deposit. The intended target, central to the deposit, was approximately 100 metres down-dip from the A-05-32 and A-05-30 pierce points and was designed to fill in an open area of the deposit. Ground conditions associated with the thrust fault, that marks the hangingwall contact between Road River group and Gunsteel formation rocks as well as driller error forced the abandonment of A-10-73 and A-10-73A. The drill hole experienced extreme flattening and did not achieve its intended target. The resultant pierce point is located in the vicinity of A-06-37A and A-07-53.

The hole collared into the Silurian siltstones of the Road River Group before encountering the HW thrust from 41 to 65 metres. Underlying the thrust fault was a 40 metre section of the soft Akie shales before a gradational transition into the Gunsteel shales. The Cardiac Creek deposit was intercepted at a depth of 578.70 metres as the hole shifted into the interbedded shales and pyrite indicative of the Proximal facies. A transition into approximately 27 metres of the Cardiac Creek zone occurred at a depth of 597.11 metres. From 618.59 to 629.79 metres the mineralisation of the Cardiac Creek zone was interbedded with massively bedded barite mineralisation. A thin interval of the Paul River Formation debris flow was present underlying the deposit at 630.03 to 630.84 metres, before the hole terminated in the rocks of the Road River Group at a final depth of 652.28 metres

A-10-74

Drill hole A-10-74 targeted the up-dip north western extent of the Cardiac Creek deposit. The intended target was located approximately 100 metres up-dip from the A-07-46 pierce point. Deviation was not a significant factor and the intended target was achieved.

The hole collared into transitional shales marking the boundary between the soft shales of the Akie Formation and Gunsteel shales which persisted to a depth of 73.55 metres. The shales of the Gunsteel Formation continued from 73.55 to 605.59 metres. The hole intercepted the Proximal facies of the Cardiac Creek deposit at a depth of 549.23 metres continued for 12.35 metres and grading into a 17.36 metre thick interval of the Cardiac Creek zone. The zone was underlain by two intervals of proximal facies interbedded pyrite and shales, 8.42 and 4.32 metres in thickness. A thin 2.28 metre thick interval of the Paul River Formation debris flow was intersected at a depth of 605.59 metres and was underlain by rocks of the Road River Group where the hole was terminated at a depth of 645.27 metres

A-10-75

Drill hole A-10-75 was the final hole that targeted the Cardiac Creek deposit. The intended target tested the north western extent of the deposit and was located approximately 100 to 150 metres down-dip of A-07-46. The hole experienced some flattening producing a pierce point approximately 25 metres above the target and 75 metres down-dip from A-07-46, directly along strike from the A-08-60A pierce point.

The geology was similar to that of A-10-74 with the hole collaring into a 65 metre interval of Akie Formation soft shale grading into the Gunsteel shales at a depth of 73.07 metres. A large section of Proximal facies mineralisation was encountered at a depth of 631.70 metres and interbedded with several thicker intervals of Gunsteel shale. Thin intervals of Cardiac Creek zone were present at 689.76 to 691.36 metres and 700.12 to 709.98 metres. Nodular to laminated beds of barite underlie the deposit from 709.98 to 724.89 metres. The hole graded into a thick interval of debris flow characteristic of the Paul River Formation where the hole was terminated at a depth of 778.15 metres.

7.7 Drill Hole Results

A summary of the analytical results can be seen below in Table 6. The certificates of analysis can be seen in Appendix 6.

HOLE ID	FROM (m)	TO (m)	LENGTH (m)	ZONE	Zn (%)	Pb (%)	Ag (g/t)	Zn+Pb (%)
A-10-67	129.00	141.05	12.05	NLZ	0.23	0.02	2.81	0.25
and	162.00	182.00	20.00		0.15	0.01	2.09	0.16
A-10-68	488.39	614.62	126.23	NLZ	Zn values range from <1000ppm to 2.09%			
incl	551.92	553.94	2.02		1.47	0.04	5.39	1.51
A-10-69	212.00	224.44	12.44	CCZ	0.81	0.07	2.68	0.88
A-10-69A	221.90	235.16	13.26	CCZ	0.17	0.01	3.06	0.18
A-10-70	350.20	351.00	0.80	NLZ	1.23	0.22	1.80	1.45

A-10-71	323.80	345.70	21.90	CCZ	0.16	0.02	3.10	0.18
A-10-72	161.00	190.42	29.42	CCZ	0.23	0.01	2.24	0.24
and	299.40	300.57	1.17	NICK	2.69	0.60 (Ni)	4.36	N/A
A-10-73B	597.11	619.90	22.79	CCZ	8.34	1.69	16.03	10.03
incl	606.12	618.65	12.53		10.30	2.12	18.72	12.42
A-10-74	559.14	576.60	17.46	CCZ	5.70	0.89	8.52	6.59
incl	568.59	576.60	8.01		6.67	1.10	9.56	7.77
incl	570.17	576.60	6.43		7.15	1.16	10.28	8.31
A-10-75	666.66	691.36	24.70	HW	2.10	0.24	4.19	2.34
and	700.28	706.93	6.65	CCZ	5.89	1.10	10.78	6.99
incl	700.28	703.32	3.04		8.08	1.50	15.42	9.58
A-10-76	614.78	744.75	129.97	NLZ	Zn values range from <1000ppm to 0.45%			

Table 6: Summary of drill results.

North Lead Anomaly

The 4 drill holes testing the North Lead Anomaly returned variable results. Drill hole A-10-67 intersected a 14.10 metre interval of proximal style mineralisation situated at the same stratigraphic horizon as the Cardiac Creek deposit returned results consistently anomalous in Zn. Drill hole A-10-70 returned disappointing results, intersecting a thick interval of nodular to laminar barite mineralisation with minor pyrite mineralisation, that returned insignificant results with the exception of a very short interval of elevated Zn values.

Drill holes A-10-68 and A-10-76 both intersected very large intervals (126.03 and 129.97 metres) of interbedded pyrite, nodular and shale, interpreted to represent the proximal facies mineralisation. Sampling across this board horizon returned consistently anomalous Zn and Pb values (Table 6) and a short interval (2.02 metres) in hole A-10-68 returned Zn values in excess of 1%.

NW Extension

Drill holes A-10-69 and A-10-69A both intersected mineralisation interpreted to represent the proximal facies of the Cardiac Creek deposit. Results from A-10-69A returned consistently anomalous Zn values in excess of 1000 ppm however, sphalerite was observed in A-10-69 and the results reflected this with Zn values consistently greater than 2000ppm reaching 1.90%. The Zn values were also associated with anomalous Pb and Tl values. Drill hole A-10-71 intersected minor pyrite and nodular mineralisation along the Gunsteel, Paul River debris flow contact which returned anomalous Zn values.

The last drill hole which tested the NW Extension intersected minor pyrite and nodular to laminated barite along the Gunsteel, Paul River contact returning minor anomalous Zn values. However, a 1.17 metre thick interval of mineralised debris flow was discovered within the shales of the Paul River Formation (Plate 13). This interval returned significantly elevated results in Zn and Ni (Table 6) and highly anomalous values across a diverse suite of elements including Mo, Cu, Pb, Ag, Co, As, U, Cd, Sb, Bi, V, P, Hg, Tl, Se, Re, Au and Pd.

Plate 13: Nick style mineralisation present in Paul River shales in A-10-72.

Cardiac Creek Deposit

The 2 drill holes testing the north western edge of the deposit, A-10-74 and A-10-75 both intersected the Cardiac Creek horizon and returned moderate grade results. They also contained smaller higher grade intervals (Table 6). Both of these drill holes have marginally extended the known limits of the deposit which remains open to the northwest. Drill hole A-10-73B intersected the central area of the deposit with a pierce point in proximity to drill holes A-06-37A and A-10-53 returning high grade results (Table 6). These results continued to demonstrate the continuity of the higher grade mineralisation across the central core of the deposit. Alteration features observed in the FW of older drill holes was not present in the 2010 drilling on the Cardiac Creek deposit. The pierce point locations of the 2010 drill holes can be seen in Figure 11.

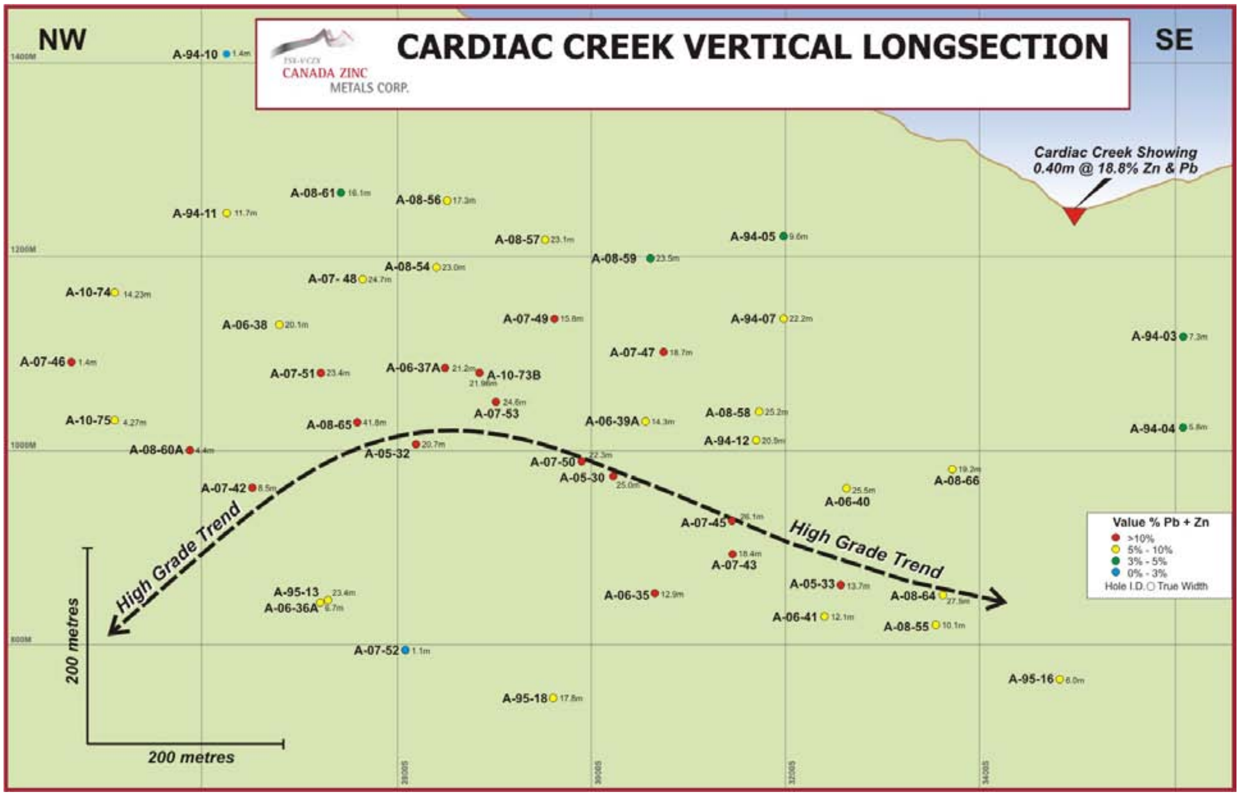


Figure 11: Long section across the Cardiac Creek Deposit

8.0 Technical Program

From late September to the first of November a technical program involving technical drilling and trail construction was undertaken by Geotech Drilling and Blackwater Construction respectively, both based in Prince George, British Columbia. This work involved the drilling of 4 holes totalling 55.90 metres to be used to obtain geotechnical and hydro-geological data. All of the drill holes collared into Gunsteel shales to very shallow depths. The holes were logged for geotechnical parameters and select samples were taken for geotechnical purposes and ARD/ML analysis. The collar information of these drill holes can be seen in Table 7 and located in Figure 12. The drill logs of these holes are found in Appendix 7.

HOLE ID	Proposed ID	UTM E (m)	UTM N (m)	ELEV (m)	AZIMUTH (°)	DIP (°)	LENGTH (m)
A-10-77*	DH10-06	389899	635691	1068	0	-90	6.70
A-10-78*	DH10-07	389892	635591	1057	0	-90	38.70
A-10-79*	DH10-08	389929	6358529	1049	0	-90	5.20
A-10-80*	DH10-09	389846	6358538	1051	0	-90	5.30

Table 7: 2010 Technical Drill hole Details. '*' denotes un-surveyed collar.

The construction program involved the building of trail from the end of the existing lower trail (~at 1.50 km) to Cardiac Creek (~at 3+50 km). A total of 1.0 kilometre of trail was constructed to the 2+50km mark where unexpected ground conditions and inclement weather forced a halt to activities (Figure 12). It is expected that trail construction will continue in 2011 to the intended distance.

Plate 14: Paul River silty shales from A-10-72 @ 247.20 metres.

Plate 15: Paul River shales from A-10-72 @ 254.50 metres.

9.0 Discussion

Results from the 2010 exploration program have enhanced the understanding of the mineralisation and geology of the Cardiac Creek deposit, and the NW Extension and North Lead Anomaly targets.

Drilling on the Cardiac Creek deposit focussed on the north western edge and central core of the deposit. Drilling into the central core (A-10-73B) demonstrated the continuity of the high grade mineralisation. Along the north western edges of the deposit drill holes A-10-74 and A-10-75 returned thicker sections of the proximal facies mineralisation with thinner and weakly developed of the Cardiac Creek zone facies. The results suggest that the deposit remains open to the NW but grade may continue to diminish up-dip (Figure 11). Potential for high-grade material along the projected high-grade trend along-strike from A-08-60A and A-07-42 remains high.

The North Lead Anomaly produced several unexpected developments. The geology encountered in holes A-10-67, 68, and 76 was markedly different to that of the 2008 and 1996 drilling suggesting that faulting separates these two sets of drill holes (Figure 13). New lithologies associated with the Paul River debris flows and fossiliferous limestones were recognised. This included a silty (turbidite/debris flows) shale and shale (Plates 14 & 15) which prompting a geological reinterpretation across the deposit. These units were recognised in the deeper down-dip drill holes of the deposit. It appears that a wedge of Paul River sediments thickens down-dip and to the NW towards the NW Extension and North Lead Anomaly targets. The current understanding of the deposit is that it occurs at the base of the Gunsteel shales overlying the calcareous siltstones of the Road River Group. These two units are separated by a thin sliver of Paul River debris flows. It appears that the deposit is situated at an inflection point between the fossiliferous limestone present up-dip and thicker deposition of Paul River shales and silty shales down-dip. This transition possibly indicates the presence of an unrecognised paleo-growth fault. In addition to the geological units, the mineralisation encountered in drill holes A-10-68 and A-10-76 was unanticipated. Each hole contained thick (126.03 and 129.97 metre) sections of thickly bedded pyrite, nodular barite and weakly developed sphalerite bands interbedded with shale. This mineralisation also contained several rip-up clasts. This represents a thickening of mineralisation towards the NW away from the known mineralisation in the 2008 and 1996 drilling (Figure 13). Both intervals are interpreted to represent proximal facies style of mineralisation.

The NW Extension target yielded several more unexpected developments. Drill hole A-10-69 intersected proximal facies mineralisation with weakly developed sphalerite banding. This indicates the potential for additional economic mineralisation some 800 metres along strike from known limits of the deposit. The geology encountered in A-10-72 is identical to that of A-10-67 with a large section of Paul River debris flows, silty shales and shales suggesting the presence of a fault structure separating A-10-72 from A-10-69. This fault is likely situated along the linear Bear Creek (Figure 14). Also, discovered within the Paul River shales was a 1.17 metre interval of sulphide saturated debris flow (Plate 13) enriched in a diverse suite of elements (see "Drill Results" above).

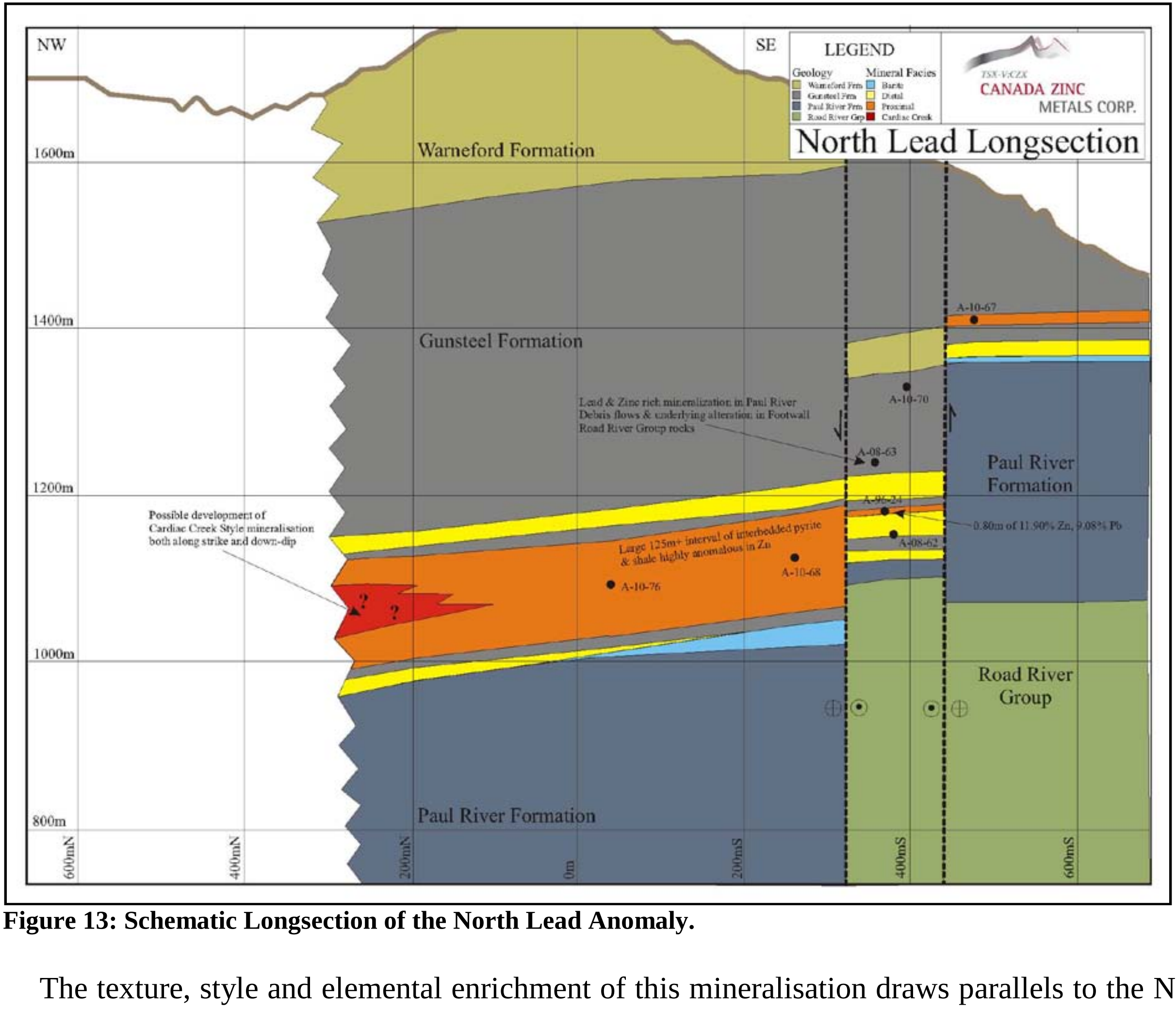


Figure 13: Schematic Longsection of the North Lead Anomaly.

The texture, style and elemental enrichment of this mineralisation draws parallels to the Nick deposit in the Yukon and Chinese Ni-Mo deposits (Tianeshan, Xintuguo, Tuansabao, Jinshuwoin, and Zunyi) in the Dayong-Cili district of China (Lefebure & Coveney 1995). In addition, the width of mineralisation intersected in A-10-72 is much greater than the known horizon thickness associated with the Nick and Chinese deposits at 0 to 30 centimetres thick. It should be noted that no mineralisation was observed in the adjacent drill hole A-10-67 suggesting that this horizon could be discrete and discontinuous. The Ni associated with this mineralisation may explain scattered Ni anomalies in stream sediment and soil samples from the Pie property located northwest of the Akie property. This mineralisation enhances the prospectivity of the Paul River Formation and represents a new exploration target in the district.

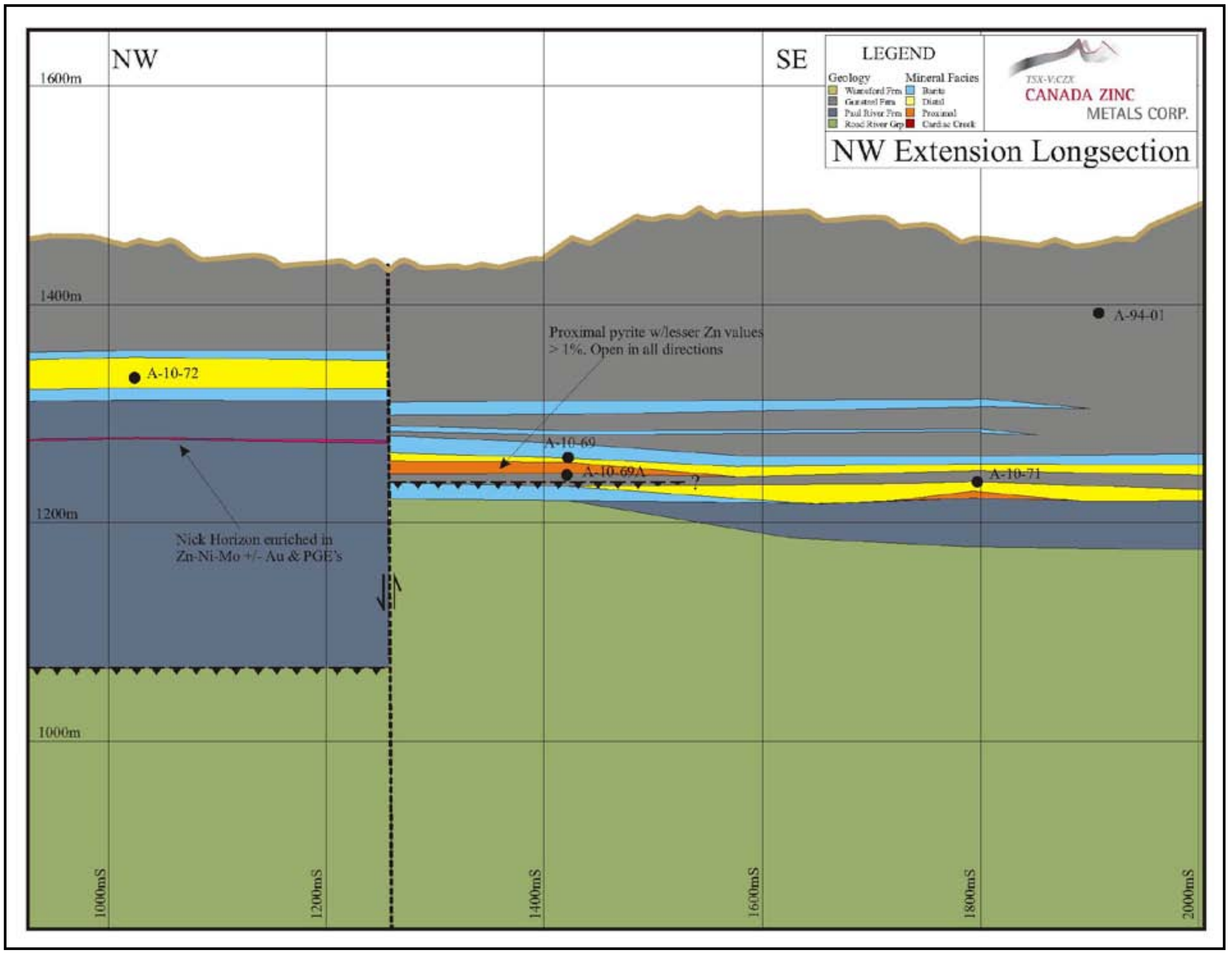


Figure 14: Schematic Longsection of the NW Extension.

9.0 Conclusions & Recommendations

The 2010 Akie exploration program was successful in achieving its goals.

1. The drilling on the Cardiac Creek deposit has demonstrated that the deposit remains open along-strike and down-dip.
2. Drilling on the NW Extension target has encountered proximal facies mineralisation and Nick style mineralisation within the Paul River Formation sediments.
3. Drilling at the north Lead Anomaly target has encountered increasingly thick sections of proximal facies mineralisation to the NW of existing drilling.

The mineralisation intersected at the North Lead Anomaly and NW Extension, while not economic at this time, remains highly prospective and suggests the presence of Cardiac Creek style mineralisation at both targets.

Based upon the exploration conducted on the Akie property in 2010, the following activities are recommended for follow-up exploration programs.

1. Future drilling should continue to test the Cardiac Creek deposit, both along-strike to the NW and SE as well as down-dip.
2. Future drilling at the North Lead Anomaly should test the down-dip and NW strike-extent of the mineralisation encountered in A-10-68 and A-10-76.
3. Future drilling at the NW Extension should continue to test the mineralisation encountered in A-10-69, and the Nick style horizon encountered in A-10-72.
4. A re-evaluation of soil, silt and rock sample data sets should be conducted assessing the potential for additional Nick style mineralisation on the Akie and the other Kechika Trough properties.

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11.0 Statement of Qualifications

I, Nicholas L. Johnson, do hereby state:

1. That I am a resident of Ontario, with an address of 579 Union St. W., Kingston, Ontario, K7M-2H5.
2. That I am a graduate of Queens University (B. Sc. Hons in Geology, 2001);
3. That I have been continuously employed in geology since May 2002 since graduating from Queens;
4. That I am currently under the employ of Canada Zinc Metals Corp. a British Columbia corporation with a business address of 1304-925 West Georgia Street, Vancouver, B.C., V6C-3L2.
5. I personally carried out or supervised the work described in this report and I am the principle author of the report entitled "Summary Report on the 2010 Diamond Drilling Program, Akie Project, Akie Property, Akie Claim Block".

Dated in Vancouver, B.C., on the 25th of May, 2011.

Nicholas L. Johnson, B.Sc. (Hon.)

IN POCKET

FIGURE 5

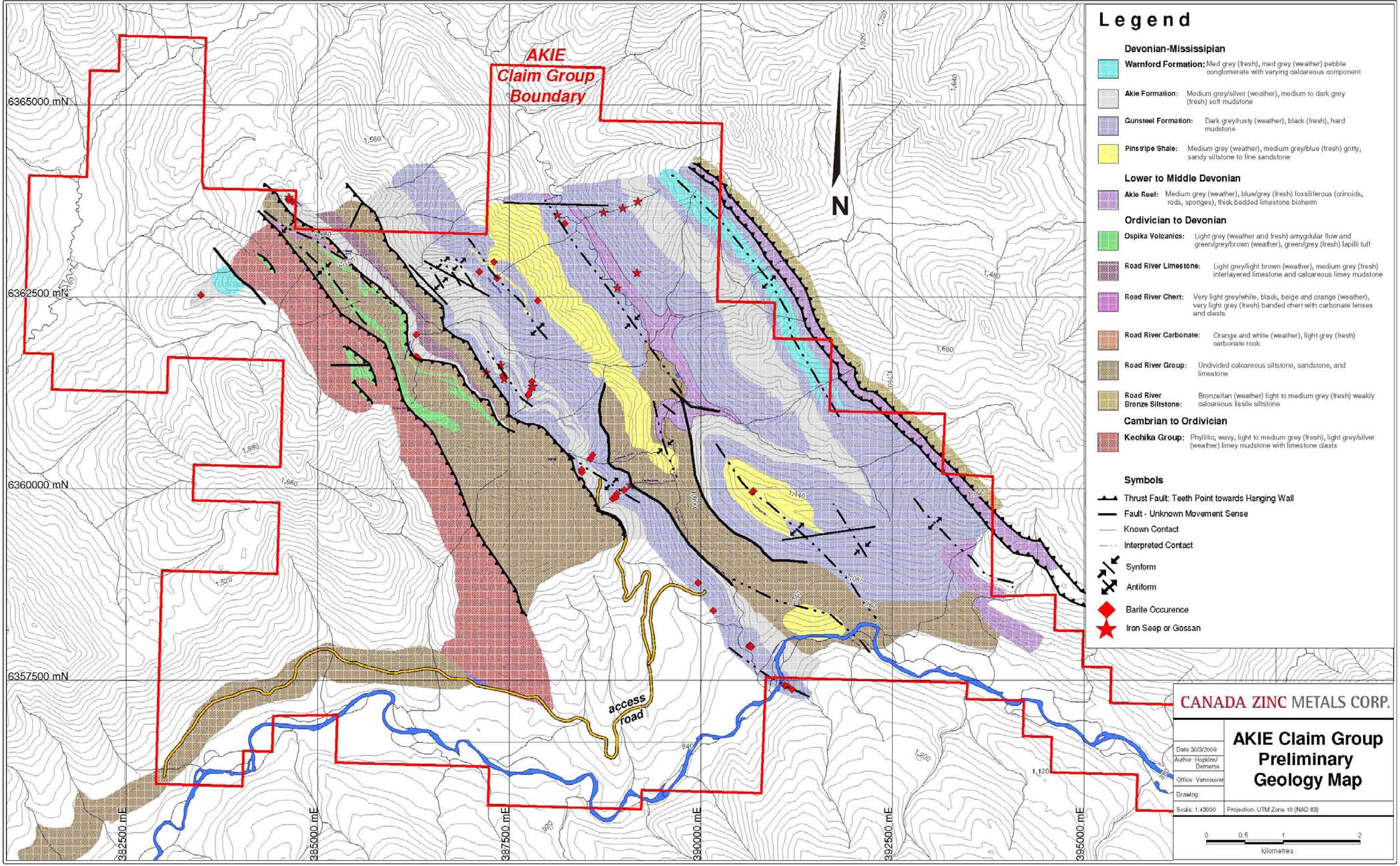
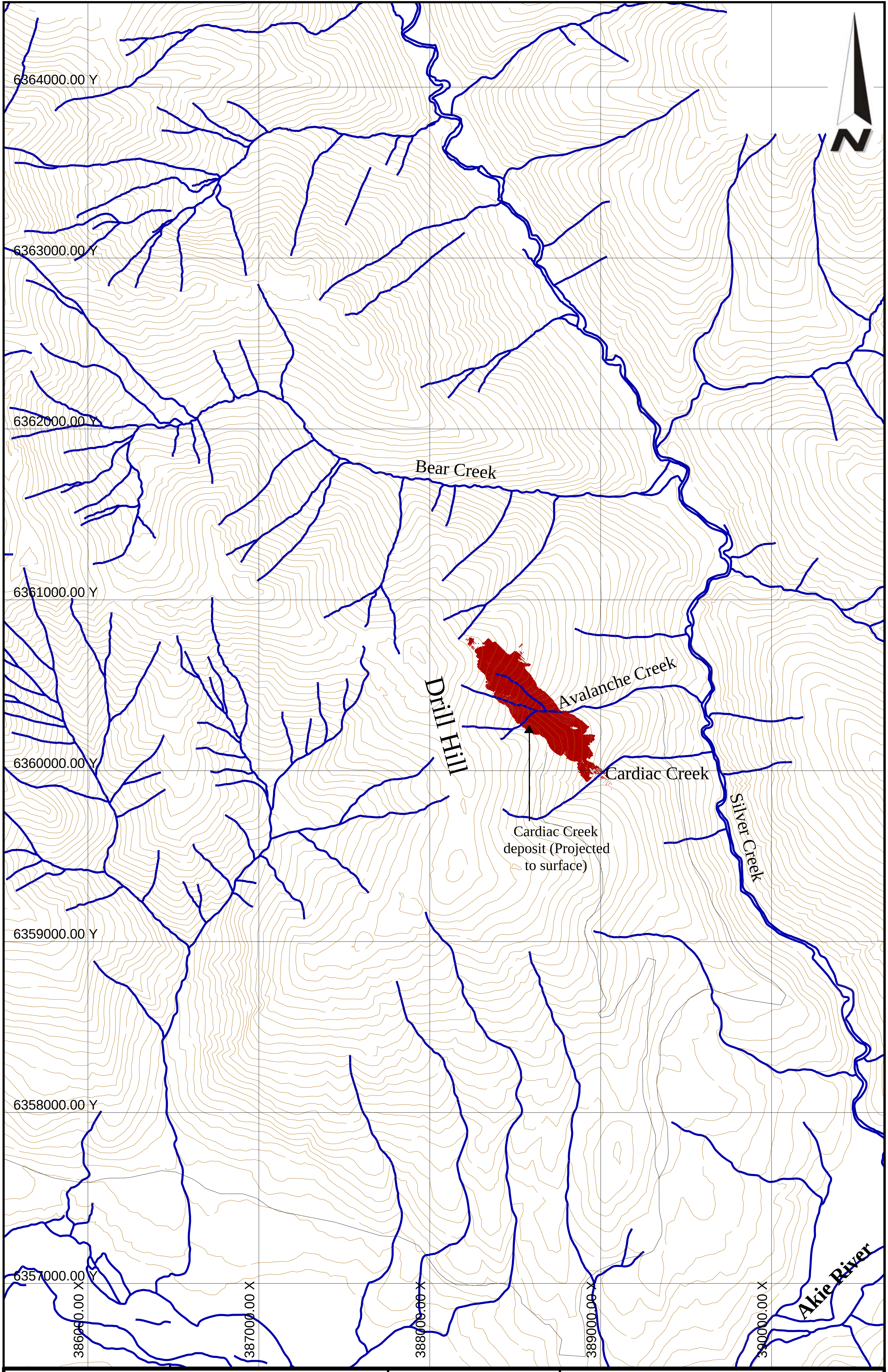

AKIE Claim Group Boundary
6365000 mN
6362500 mN
6360000 mN
6357500 mN
382500 mE
385000 mE
387500 mE
390000 mE
392500 mE
395000 mE
N
access road
Legend
Devonian-Mississipian
Warnford Formation: Med grey (fresh), med grey (weather) pebble conglomerate with varying calcareous component
Akie Formation: Medium grey/silver (weather), medium to dark grey (fresh) soft mudstone
Gunsteel Formation: Dark grey/rusty (weather), black (fresh), hard mudstone
Pinstripe Shale: Medium grey (weather), medium grey/blue (fresh) gritty, sandy siltstone to fine sandstone
Lower to Middle Devonian
Akie Reef: Medium grey (weather), blue/grey (fresh) fossiliferous (crinoids, rods, sponges), thick bedded limestone bioherm
Ordivician to Devonian
Ospika Volcanics: Light grey (weather and fresh) amygdular flow and green/grey/brown (weather), green/grey (fresh) lapilli tuff
Road River Limestone: Light grey/light brown (weather), medium grey (fresh) interlayered limestone and calcareous limey mudstone
Road River Chert: Very light grey/white, black, beige and orange (weather), very light grey (fresh) banded chert with carbonate lenses and clasts
Road River Carbonate: Orange and white (weather), light grey (fresh) carbonate rock
Road River Group: Undivided calcareous siltstone, sandstone, and limestone
Road River Bronze Siltstone: Bronze/tan (weather) light to medium grey (fresh) weakly calcareous fissile siltstone
Cambrian to Ordivician
Kechika Group: Phyllitic, wavy, light to medium grey (fresh), light grey/silver (weather) limey mudstone with limestone clasts
Symbols
Thrust Fault: Teeth Point towards Hanging Wall
Fault - Unknown Movement Sense
Known Contact
Interpreted Contact
Synform
Antiform
Barite Occurence
Iron Seep or Gossan
CANADA ZINC METALS CORP.
AKIE Claim Group Preliminary Geology Map
Date:30/3/2009
Author: Hopkins/ Demerse
Office: Vancouver
Drawing:
Scale: 1:43000
Projection: UTM Zone 10 (NAD 83)
0
0.5
1
2
kilometres

FIGURE 6



TSX-V:CZX
CANADA ZINC METALS CORP.

Units: Metres Date: 3 May 2011 By: Nick Johnson

Cardiac Creek Location Map

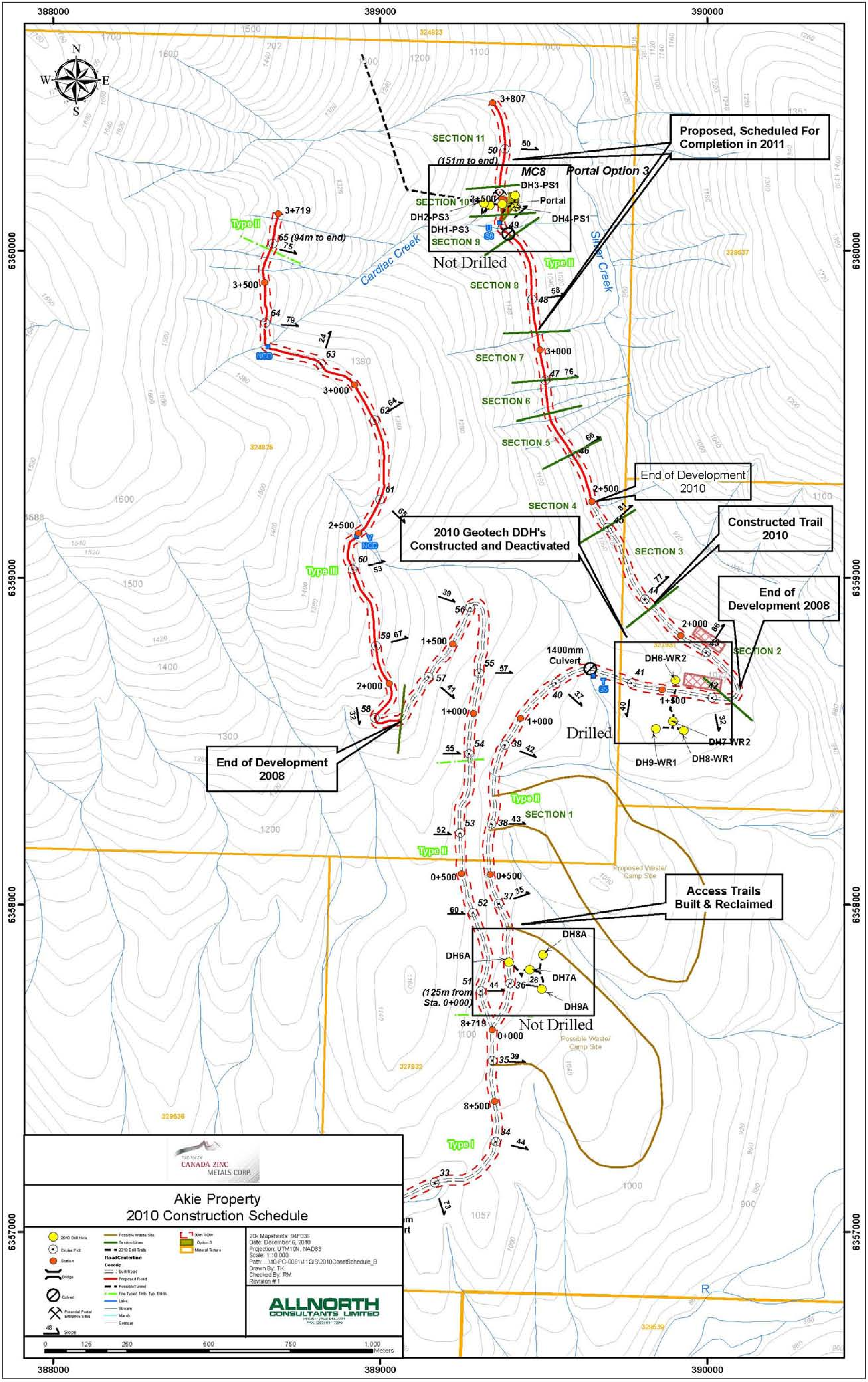
Scale 1:25,000

UTM: NAD83 Zone 10

LEGEND

Contours 20m
River, stream, creek
Trail, Road

FIGURE 12



Proposed, Scheduled For Completion in 2011
MC8
Portal Option 3
DH3-PS1
DH2-PS3
DH1-PS3
DH4-PS1
Portal
3+500
3+807
3+719
3+000
2+500
2+000
1+500
1+000
0+500
0+000
8+719
8+500
SECTION 1
SECTION 2
SECTION 3
SECTION 4
SECTION 5
SECTION 6
SECTION 7
SECTION 8
SECTION 9
SECTION 10
SECTION 11
(151m to end)
65 (94m to end)
Not Drilled
Drilled
Cardiac Creek
Silver Creek
Type II
Type III
Type I
NCD
End of Development 2010
Constructed Trail 2010
End of Development 2008
2010 Geotech DDH's Constructed and Deactivated
1400mm Culvert
DH6-WR2
DH7-WR2
DH8-WR1
DH9-WR1
Access Trails Built & Reclaimed
DH6A
DH7A
DH8A
DH9A
(125m from Sta. 0+000)
Proposed Waste/Camp Site
Possible Waste/Camp Site
324823
324826
328537
327931
327932
329536
329539
388000
389000
390000
6360000
6359000
6358000
6357000
CANADA ZINC METALS CORP.
Akie Property
2010 Construction Schedule
2010 Drill Hole
Cruise Plot
Station
Bridge
Culvert
Potential Portal Entrance Sites
Slope
Possible Waste Site
Section Lines
2010 Drill Trails
Road Centerline
Descrip
Built Road
Proposed Road
Possible Tunnel
Pre-Typed Trmb. Typ. Bnds.
Lake
Stream
Marsh
Contour
30m ROW
Option 3
Mineral Tenure
20k Mapsheets: 94F036
Date: December 6, 2010
Projection: UTM10N, NAD83
Scale: 1:10 000
Path: ...\10-PC-0081\11GIS\2010ConstSchedule_B
Drawn By: TK
Checked By: RM
Revision # 1
ALLNORTH CONSULTANTS LIMITED
0
125
250
500
750
1,000
Meters

APPENDIX #1 Canada Zinc Metals Claim List

Tenure Number	Claim Name	Owner	Status	Area (ha)
240791	AKIE 1	107445 (100%)	2021/dec/08	75.00
240792	AKIE 2	107445 (100%)	2021/dec/08	150.00
240793	AKIE 3	107445 (100%)	2021/dec/08	75.00
240794	NOEL 1	107445 (100%)	2021/dec/08	50.00
240796	NOEL 3	107445 (100%)	2021/dec/08	25.00
240798	YUEN 1	107445 (100%)	2021/dec/08	100.00
240799	YUEN 2	107445 (100%)	2021/dec/08	100.00
240800	YUEN 3	107445 (100%)	2021/dec/08	25.00
240801	YUEN 4	107445 (100%)	2021/dec/08	200.00
309112	YN 3	107445 (100%)	2021/dec/08	500.00
324822	AKIE 4	107445 (100%)	2021/dec/08	100.00
324823	AKIE 5	107445 (100%)	2021/dec/08	400.00
324824	AKIE 6	107445 (100%)	2021/dec/08	150.00
324825	AKIE 7	107445 (100%)	2021/dec/08	500.00
327931	AKIE 8	107445 (100%)	2021/dec/08	150.00
327932	AKIE 9	107445 (100%)	2021/dec/08	300.00
327933	AKIE 10	107445 (100%)	2021/dec/08	100.00
329534	AKIE 11	107445 (100%)	2021/dec/08	400.00
329535	AKIE 12	107445 (100%)	2021/dec/08	500.00
329536	AKIE 13	107445 (100%)	2021/dec/08	500.00
329537	AKIE 14	107445 (100%)	2021/dec/08	375.00
329538	AKIE 15	107445 (100%)	2021/dec/08	150.00
329539	AKIE 16	107445 (100%)	2021/dec/08	200.00
330626	AKIE 17	107445 (100%)	2021/dec/08	400.00
333352	AKIE 21	107445 (100%)	2021/dec/08	450.00
333353	AKIE 22	107445 (100%)	2021/dec/08	225.00
333356	AKIE 25	107445 (100%)	2021/dec/08	500.00
338283	AKIE 18	107445 (100%)	2021/dec/08	400.00
338284	AKIE 19	107445 (100%)	2021/dec/08	300.00
517839	CURE	107445 (100%)	2021/dec/08	34.88
518982	BRAID 25	107445 (100%)	2021/dec/08	102.15
519801	YUEN 5	107445 (100%)	2021/dec/08	243.02
519805	YUEN 6	107445 (100%)	2021/dec/08	104.14
520242	YUEN 7	107445 (100%)	2021/dec/08	34.73
520243	YUEN 8	107445 (100%)	2021/dec/08	17.36
520374	PIE 1	107445 (100%)	2021/dec/08	365.77
520375	PIE 2	107445 (100%)	2021/dec/08	417.83
520376	PIE 3	107445 (100%)	2021/dec/08	417.66
520377	PIE 4	107445 (100%)	2021/dec/08	417.47
520378	PIE 5	107445 (100%)	2021/dec/08	417.50
520379	PIE 6	107445 (100%)	2021/dec/08	417.45
520380	PIE 7	107445 (100%)	2021/dec/08	417.72
520381	PIE 8	107445 (100%)	2021/dec/08	417.96
520382	PIE 9	107445 (100%)	2021/dec/08	365.89
520383	PIE 10	107445 (100%)	2021/dec/08	104.48

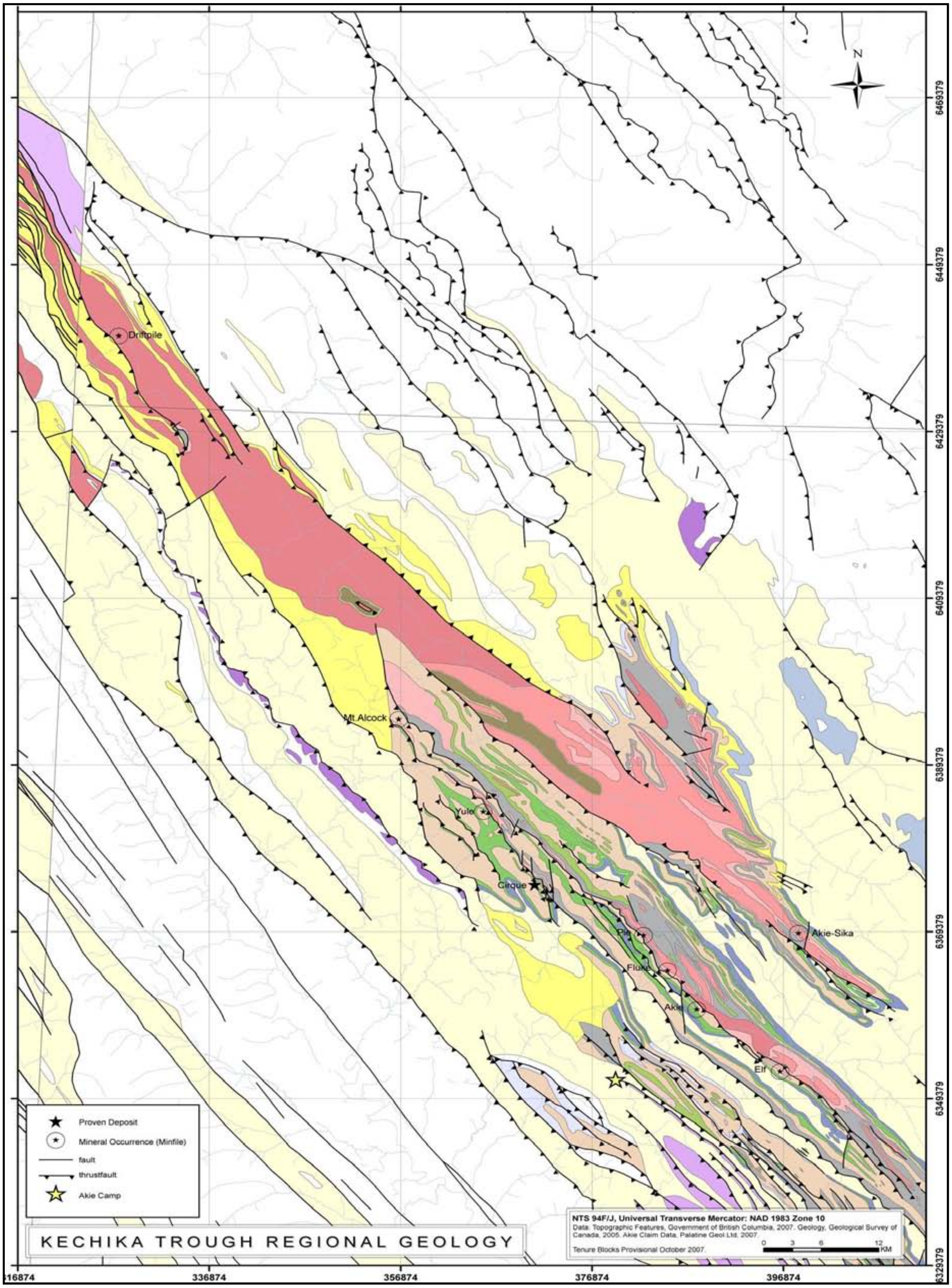
520384	PIE 5A	107445 (100%)	2021/dec/08	17.40
520385	PIE 11	107445 (100%)	2021/dec/08	139.15
520386	PIE 12	107445 (100%)	2021/dec/08	52.27
520460	PIE 13	107445 (100%)	2021/dec/08	139.23
520472	YUEN 7	107445 (100%)	2021/dec/08	416.35
520476	AKIE 30	107445 (100%)	2021/dec/08	436.14
520477	PIE 14	107445 (100%)	2021/dec/08	69.58
522673	PIE 15	107445 (100%)	2021/dec/08	435.34
522682	PIE 16	107445 (100%)	2021/dec/08	434.96
523913	YUEN 15	107445 (100%)	2021/dec/08	433.81
523915	YUEN 16	107445 (100%)	2021/dec/08	208.36
523916	AKIE FR.	107445 (100%)	2021/dec/08	87.18
523920	AKIE FR 2	107445 (100%)	2021/dec/08	17.44
523923	PIE 34	107445 (100%)	2021/dec/08	400.93
524478	RIFT 1	107445 (100%)	2021/dec/08	427.10
524479	THRO 1	107445 (100%)	2021/dec/08	272.48
524480	THRO 2	107445 (100%)	2021/dec/08	289.51
524481	THRO 3	107445 (100%)	2021/dec/08	323.42
524482	THRO 4	107445 (100%)	2021/dec/08	17.03
524484	THRO 5	107445 (100%)	2021/dec/08	426.02
524485	THRO 6	107445 (100%)	2021/dec/08	102.14
524486	THRO 7	107445 (100%)	2021/dec/08	170.35
524589	DRFITPILE 5	107445 (100%)	2021/dec/08	411.64
524591	DRIFTPILE 4	107445 (100%)	2021/dec/08	257.40
524592	DRIFTPILE 6	107445 (100%)	2021/dec/08	205.75
524593	DRIFTPILE 7	107445 (100%)	2021/dec/08	428.15
524596	DRIFTPILE 8	107445 (100%)	2021/dec/08	428.29
524599	DRIFTPILE 9	107445 (100%)	2021/dec/08	428.03
524600	DRIFTPILE 10	107445 (100%)	2021/dec/08	427.86
524618	DRIFTPILE FRACTION 1	107445 (100%)	2021/dec/08	51.37
525680	PIE 40	107445 (100%)	2021/dec/08	434.61
525681	PIE 41	107445 (100%)	2021/dec/08	434.65
525682	PIE 42	107445 (100%)	2021/dec/08	434.68
525758	PIE 101	107445 (100%)	2021/dec/08	418.77
525759	PIE 102	107445 (100%)	2021/dec/08	348.82
525922	YUEN 20	107445 (100%)	2021/dec/08	416.72
525923	YUEN 21	107445 (100%)	2021/dec/08	434.34
525924	YUEN 23 FR	107445 (100%)	2021/dec/08	17.37
525957	THRO 50	107445 (100%)	2021/dec/08	426.78
526549	AKIE AX 1	107445 (100%)	2021/dec/08	436.57
526550	AKIE AX 2	107445 (100%)	2021/dec/08	436.75
526551	AKIE AX 3	107445 (100%)	2021/dec/08	436.98
526597	BRAID 200	107445 (100%)	2021/dec/08	272.98
526598	BRAID 201	107445 (100%)	2021/dec/08	204.64
526599	DRIFTPILE 200	107445 (100%)	2021/dec/08	411.26
526601	YULE 150	107445 (100%)	2021/dec/08	433.84

526809	PIE WEST 1	107445 (100%)	2021/dec/08	435.25
526810	PIE WEST 2	107445 (100%)	2021/dec/08	278.73
526811	PIE 300	107445 (100%)	2021/dec/08	382.50
526821	WEISS 1	107445 (100%)	2021/dec/08	431.18
526823	WEISS 2	107445 (100%)	2021/dec/08	431.13
526824	WEISS 3	107445 (100%)	2021/dec/08	430.90
526827	WEISS 4	107445 (100%)	2021/dec/08	430.64
526831	WEISS 5	107445 (100%)	2021/dec/08	431.33
527001	WEISS 6	107445 (100%)	2021/dec/08	430.43
527002	WEISS 7	107445 (100%)	2021/dec/08	430.92
527003	WEISS 8	107445 (100%)	2021/dec/08	430.10
527004	WEISS 9	107445 (100%)	2021/dec/08	429.85
527005	WEISS 10	107445 (100%)	2021/dec/08	430.35
527006	WEISS 11	107445 (100%)	2021/dec/08	430.60
527008	WEISS 12	107445 (100%)	2021/dec/08	430.35
527010	WEISS 13	107445 (100%)	2021/dec/08	429.98
527013	WEISS 14	107445 (100%)	2021/dec/08	430.18
527015	WEISS 15	107445 (100%)	2021/dec/08	430.38
527016	WEISS 16	107445 (100%)	2021/dec/08	430.41
527017	WEISS 17	107445 (100%)	2021/dec/08	430.66
527048	WEISS 18	107445 (100%)	2021/dec/08	103.26
527352	DRIFTPILE 20	107445 (100%)	2021/dec/08	427.58
527354	DRIFTPILE 21	107445 (100%)	2021/dec/08	428.21
527356	DRIFTPILE 22	107445 (100%)	2021/dec/08	257.12
529008	PIE WEST 3	107445 (100%)	2021/dec/08	435.71
529015	AKIE 31	107445 (100%)	2021/dec/08	366.10
529018	PIE 35	107445 (100%)	2021/dec/08	174.40
529019	PIE WEST 4	107445 (100%)	2021/dec/08	435.12
529023	PIE WEST 6	107445 (100%)	2021/dec/08	435.55
529025	AKIE 31A	107445 (100%)	2021/dec/08	17.44
529026	AKIE 31B	107445 (100%)	2021/dec/08	17.43
529126	PIE WEST 7	107445 (100%)	2021/dec/08	435.48
529166	PIE WEST 8	107445 (100%)	2021/dec/08	139.28
534339	KWAD 1	202429 (100%)	2021/dec/08	311.30
536295	SAINT 1	202429 (100%)	2021/dec/08	410.37
536296	SAINT 2	202429 (100%)	2021/dec/08	410.37
536298	SAINT 3	202429 (100%)	2021/dec/08	410.37
536300	SAINT 4	202429 (100%)	2021/dec/08	205.05
540939	WHAT A RIFT	202429 (100%)	2021/dec/08	119.62
543021	SASSY	202429 (100%)	2021/dec/08	103.85
543022	SASSY 2	202429 (100%)	2021/dec/08	415.44
543024	SASSY 3	202429 (100%)	2021/dec/08	415.59
543025	SASSY 4	202429 (100%)	2021/dec/08	415.70
543026	SASSY 5	202429 (100%)	2021/dec/08	415.05
543027	SASSY 6	202429 (100%)	2021/dec/08	414.76
543028	SASSY 7	202429 (100%)	2021/dec/08	414.97
543029	SASSY 8	202429 (100%)	2021/dec/08	259.30

543030	SASSY 9	202429 (100%)	2021/dec/08	138.38
543031	SASSY 10	202429 (100%)	2021/dec/08	103.89
543032	SASSY 11	202429 (100%)	2021/dec/08	155.90
543033	SASSY 12	202429 (100%)	2021/dec/08	225.21
544505	RICKS SPIRIT OF MTO	202429 (100%)	2021/dec/08	17.13
546692	AKIE 41	107445 (100%)	2021/dec/08	436.54
546693	AKIE 40	107445 (100%)	2021/dec/08	348.69
548395	DRIFTPILE 1	202429 (100%)	2021/dec/08	428.81
548396	DRIFTPILE 2	202429 (100%)	2021/dec/08	411.47
548398	THRO9	202429 (100%)	2021/dec/08	426.29
548400	DRIFTPILE 3	202429 (100%)	2021/dec/08	428.42
548403		202429 (100%)	2021/dec/08	426.89
548407	THRO10	202429 (100%)	2021/dec/08	426.42
548410	THRO8	202429 (100%)	2021/dec/08	426.36
548411		202429 (100%)	2021/dec/08	51.32
548413	THRO12	202429 (100%)	2021/dec/08	272.45
548417	THRO13	202429 (100%)	2021/dec/08	153.33
548421		202429 (100%)	2021/dec/08	306.30
548422	THRO15	202429 (100%)	2021/dec/08	187.70
548425	SPLIT	202429 (100%)	2021/dec/08	51.32
548426	WEDGE	202429 (100%)	2021/dec/08	119.75
548742	X	202429 (100%)	2021/dec/08	238.88
548784		202429 (100%)	2021/dec/08	394.91
548786		202429 (100%)	2021/dec/08	102.99
548951	SPA	202429 (100%)	2021/dec/08	618.09
549123	APPLE SCRUFFS	202429 (100%)	2021/dec/08	411.88
549138	FOX	202429 (100%)	2021/dec/08	411.71
549143	TROT	202429 (100%)	2021/dec/08	257.21
549148		202429 (100%)	2021/dec/08	343.24
549774	GATA	202429 (100%)	2021/dec/08	206.13
549818	COUSIN SAINT	202429 (100%)	2021/dec/08	136.64
549880		107445 (100%)	2021/dec/08	366.47
549884		107445 (100%)	2021/dec/08	52.33
549885	AKIE 20	107445 (100%)	2021/dec/08	87.25
549887	IN	202429 (100%)	2021/dec/08	17.46
549888	AK	202429 (100%)	2021/dec/08	17.45
549930	CIRQUE EAST	202429 (100%)	2021/dec/08	1268.07
549984	PILE	202429 (100%)	2021/dec/08	34.22
550008	WINDY	202429 (100%)	2021/dec/08	378.06
550009	SLIVER	202429 (100%)	2021/dec/08	120.23
550011	BALOO	202429 (100%)	2021/dec/08	429.37
550013	DONTSY	202429 (100%)	2021/dec/08	429.65
552297	SILVER LINK	202429 (100%)	2021/dec/08	433.11
552382	AKIE 23	107445 (100%)	2021/dec/08	17.44
552394	DACHA 1	202429 (100%)	2021/dec/08	432.68
552395	DACHA 2	202429 (100%)	2021/dec/08	640.31

552396	DACHA 3	202429 (100%)	2021/dec/08	346.07
552397	DACHA 4	202429 (100%)	2021/dec/08	415.69
552398	DACHA 5	202429 (100%)	2021/dec/08	795.56
552776	CRUEL SHOES	202429 (100%)	2021/dec/08	428.70
552777	MARITA	202429 (100%)	2021/dec/08	342.50
552780	SIMON	202429 (100%)	2021/dec/08	427.30
552781	PETER	202429 (100%)	2021/dec/08	358.89
553071	POLESTAR	202429 (100%)	2021/dec/08	363.93
553072	MORNINGSTAR	202429 (100%)	2021/dec/08	312.16
553073	CWM	202429 (100%)	2021/dec/08	277.77
553074	COIRE	202429 (100%)	2021/dec/08	382.21
553647		202429 (100%)	2021/dec/08	226.76
553649		202429 (100%)	2021/dec/08	122.21
553653		202429 (100%)	2021/dec/08	139.33
553654	1.1	202429 (100%)	2021/dec/08	52.35
555432	KWAD	202429 (100%)	2021/dec/08	3845.08
555434	SILVER FOX	202429 (100%)	2021/dec/08	309.69
555436	SILVER JUBILEE	202429 (100%)	2021/dec/08	309.92
555439	WEISS 19	202429 (100%)	2021/dec/08	429.73
555440	HG	202429 (100%)	2021/dec/08	362.36
555441	JP4	202429 (100%)	2021/dec/08	430.78
555443	QUICKSILVER	202429 (100%)	2021/dec/08	431.72
555445	JP1	202429 (100%)	2021/dec/08	431.47
555447	JP2	202429 (100%)	2021/dec/08	396.90
555449	JP5	202429 (100%)	2021/dec/08	431.20
555450	JP3	202429 (100%)	2021/dec/08	431.17
555452	LAKETREE 1	202429 (100%)	2021/dec/08	430.87
555453	LAKETREE 2	202429 (100%)	2021/dec/08	396.23
555454	LAKETREE 4	202429 (100%)	2021/dec/08	430.56
555455	LAKETREE 3	202429 (100%)	2021/dec/08	430.56
555456	LAKETREE 5	202429 (100%)	2021/dec/08	430.34
555463	LAKETREE 6	202429 (100%)	2021/dec/08	344.15
555464	LAKETREE 7	202429 (100%)	2021/dec/08	430.04
555465	LAKETREE 8	202429 (100%)	2021/dec/08	412.66
555810	KWADAC	202429 (100%)	2021/dec/08	1955.97
555813	HSH	107445 (100%)	2021/dec/08	192.36
557778	BLUE SKY 3	202429 (100%)	2021/dec/08	392.37
557779	BLUE SKY 2	202429 (100%)	2021/dec/08	392.31
557780	BLUE SKY 1	202429 (100%)	2021/dec/08	375.17
557781	ROME	107445 (100%)	2021/dec/08	17.47

APPENDIX #2 Regional Geology



KECHIKA TROUGH REGIONAL GEOLOGY

NTS 94F/J, Universal Transverse Mercator: NAD 1983 Zone 10
Data: Topographic Features, Government of British Columbia, 2007. Geology, Geological Survey of Canada, 2005. Akie Claim Data, Palatine Geol Ltd, 2007.

Tenure Blocks Provisional October 2007.

KECHIKA TROUGH GEOLOGY MAP LEGEND

TRIASSIC

■	Ts	dolomitic siltstone, minor limestone, dolostone.

CARBONIFEROUS to PERMIAN

■	Mp	pale grey to greenish grey chert.

UPPER DEVONIAN to MISSISSIPPIAN

■	DMe	argillite, slate, shale, locally carbonaceous and pyritic; chert arenite and pebble conglomerate, polymictic conglomerate; limestone
■	DMa	AKIE FORMATION: brown weathering silty shale; minor siltstone.
■	Dg	GUNSTEEL FORMATION: blue grey weathering chert, cherty mudstone, argillite, shale; nodular and bedded barite +/- sulphides; minor pelagic limestone.
□	Db	black, siliceous shale, minor sandstone and pebble conglomerate, barite.

LOWER to MIDDLE DEVONIAN

■	Dl	medium to thick-bedded micritic and bioclastic limestone reefs and carbonate buildups; minor shaly argillite and chert; limestone, dark grey, argillaceous.

UPPER SILURIAN to MIDDLE DEVONIAN

■	Dc	mainly limestone in western part of 94F; basal quartzities, shale and limestone debris flows in eastern part of 94F.

ORDOVICIAN to DEVONIAN

■	OSDr	undivided, shale, black, graptolitic, mainly Ordovician; siltstone, tan, ploty, mainly Silurian; sandstone, calcareous shale.

UPPER SILURIAN to MIDDLE DEVONIAN

■	DRs	rusty-weathering black silty shale, limy siltstone; lower section includes interbedded limestone debris flows, crinoidal siltstone, calcarenite, graptolitic black shale, quartzose conglomerate and wacke near carbonate platform and reefs; basal chert.

SILURIAN

■	Sr	brown to buff weathering dolomitic siltstone; platy, flaser-bedded; minor quartz wacke, limestone olistostromes; includes basal unit of dolostone, mudstone, black chert and argillite.

ORDOVICIAN

■	OR	undivided shale, limestone, siltstone, limestone debris flows.

MIDDLE to UPPER ORDOVICIAN

■	ORs	black graptolitic shale, minor black chert, siltstone.
■	ORv	orange weathering arkeritic tuffs, altered flows and sills.
■	ORq	mainly quartz wacke turbidiles with minor interbeds of graptolitic black shale.

LOWER to UPPER ORDOVICIAN

■	ORc	platy, laminated buff to cream weathering, limy siltstone, mudstone, limestone and debris flows near base.
■	OSk	SKOKI FORMATION: medium to thin-bedded dolostone, limestone, limy mudstone, crinoidal.

CAMBRIAN - ORDOVICIAN

■	COk	nodular, wavy-banded phyllitic siltstone, limestone, shale, minor green tuff.

CAMBRIAN

■	mCc	medium to thick-bedded limestone patch reefs, minor quartz wacke.
■	Cp	quartzite, orang-weathering dolostones, minor siltstone, shale; may locally include Lynx Formation equivalents.

APPENDIX #3 Cost Statement

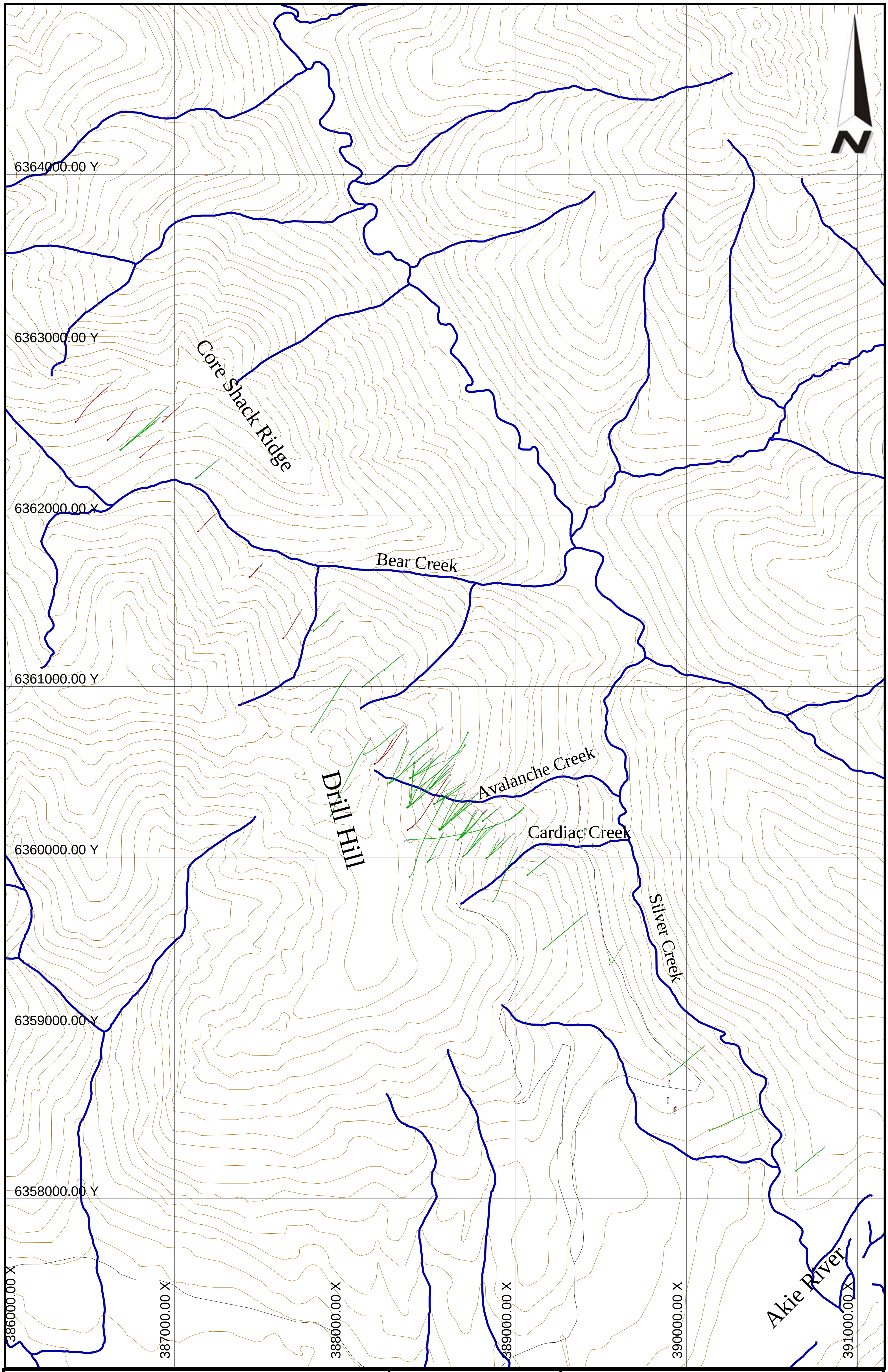
DETAILS

Canada Zinc Metals	PERSONNEL	Who	Dates	Type	Units	Month/Day	Unit Rate	Total	% DRILLING	% GEOTECH	$ DRILLING	$ GEOTECH
		Nicholas Johnson		Project Geologist	1	4.5	$5,000.00	$22,500.00	100.0%	0.0%	$22,500.00	$0.00
CONTRACTOR	CATEGORY							Total	% DRILLING	% GEOTECH	$ DRILLING	$ GEOTECH
A-1 Rentals	FREIGHT							$3,080.00	100.0%	0.0%	$3,080.00	$0.00
ACME Analytical Labs	ANALYSIS			Type	Units		Unit Rate	Total				
				Assays	1077		$47.38	$51,027.97	100.0%	0.0%	$51,027.97	$0.00
				Whole Rock	18		$47.38	$852.84	100.0%	0.0%	$852.84	$0.00
Axton Industries	CORE STORAGE							Total				
								$23,688.00	100.0%	0.0%	$23,688.00	$0.00
Coast Mountain Geological	MOB/DEMOB			Type				Total				
				Airfare				$31,356.16	100.0%	0.0%	$31,356.16	$0.00
				Accommodation (Hotels, Motels etc)				$3,148.97	100.0%	0.0%	$3,148.97	$0.00
				Expenses (Meals, etc.)				$4,052.16	100.0%	0.0%	$4,052.16	$0.00
	FREIGHT							$24,694.06	100.0%	0.0%	$24,694.06	$0.00
	FUEL			Type	Units	Month/Day	Unit Rate					
				Diesel, Gasoline				$112,541.75	84.1%	15.9%	$94,647.61	$17,894.14
				Tank Rentals	4	4mo	$562.50	$9,000.00	84.1%	15.9%	$7,569.00	$1,431.00
	COMMUNICATIONS			Type	Units	Month/Day	Unit Rate	Total				
				Useage (Internet, Phone)				$9,048.78	93.3%	6.7%	$8,442.51	$606.27
				Radio Repeater	1	4.5mo	$400.00	$1,800.00	93.3%	6.7%	$1,679.40	$120.60
				Sat Systems	4	4.5mo	$150.00	$2,700.00	93.3%	6.7%	$2,519.10	$180.90
				Radios	9	140d	$4.00	$5,040.00	93.3%	6.7%	$4,702.32	$337.68
	EXPEDITING							$4,650.45	93.3%	6.7%	$4,338.87	$311.58
	MATERIALS	(Camp Supplies, Equipment, Parts, Lumber, etc.)						$27,323.28	100.0%	0.0%	$27,323.28	$0.00
	EQUIPMENT			Type	Units	Month/Day	Unit Rate	Total				
				Rock Saw	2	4.5mo	$350.00	$3,150.00	100.0%	0.0%	$3,150.00	$0.00
				Chain Saw	1	4.5mo	$200.00	$900.00	100.0%	0.0%	$900.00	$0.00
				First Aid Gear	1	140d	$50.00	$7,000.00	93.3%	6.7%	$6,531.00	$469.00
				Fire Equipment	1	134d	$25.00	$3,350.00	93.3%	6.7%	$3,125.55	$224.45
				Tent	1	134d	$15.00	$2,010.00	100.0%	0.0%	$2,010.00	$0.00
				Personnel Field Gear	1	548d	$15.00	$8,220.00	100.0%	0.0%	$8,220.00	$0.00
	TRANSPORTATION			Type	Units	Month/Day	Unit Rate	Total				
				Truck	1	147d	$150.00	$22,050.00	93.3%	6.7%	$20,572.65	$1,477.35
				ETV Truck	1	144d	$175.00	$25,200.00	93.3%	6.7%	$23,511.60	$1,688.40
				Fuel/Expenses				$845.42	93.3%	6.7%	$788.78	$56.64
	PADBUILDING							$80,114.14	100.0%	0.0%	$80,114.14	$0.00
	OTHER							$31,799.64	93.3%	6.7%	$29,669.06	$2,130.58
	SOFTWARE							$11,178.00	100.0%	0.0%	$11,178.00	$0.00
	PERSONNEL	Who	Dates	Type	Units	Month/Day	Unit Rate	Total				
		Peter Dadson	18 July - 6 Aug 2010 26 Aug - 27 Sept 2010	Senior Geologist		49d	$750.00	$36,750.00	100.0%	0.0%	$36,750.00	$0.00
		Bernie Dewonck	27-30 July 2010	Senior Geologist		4d	$750.00	$3,000.00	100.0%	0.0%	$3,000.00	$0.00
		Dave Draeseki	22 June - 20 July 2010 3-30 Aug 2010 22 Sept - 31 Oct 2010	Geologist		97d	$600.00	$58,200.00	89.7%	10.3%	$52,205.40	$5,994.60
		Cam Norton	13 July - 12 Aug 2010 9-22 Sept 2010	Geologist		45d	$600.00	$27,000.00	100.0%	0.0%	$27,000.00	$0.00
		Munro Pickering	22-25 June 2010 26-30 July 2010	Safety Officer		8.5d	$550.00	$4,675.00	100.0%	0.0%	$4,675.00	$0.00
		Anthony Moore	14 June - 23 July 2010 5-31 Aug 2010 9 Sept - 5 Oct 2010	First Aid Attendant		94d	$450.00	$42,300.00	100.0%	0.0%	$42,300.00	$0.00
		Bev Trombley	22 July - 6 Aug 2010 30 Aug - 10 Sept 2010 4-30 Oct 2010	First Aid Attendant		53d	$450.00	$23,850.00	81.1%	18.9%	$19,342.35	$4,507.65
		Simon Parada	14 June - 12 July 2010 21 July - 18 Aug 2010 8 Sept - 7 Oct 2010	Geotechnician		88d	$425.00	$37,400.00	100.0%	0.0%	$37,400.00	$0.00
		Dave Edge	11-23 July 2010	Geotechnician		13d	$425.00	$5,525.00	100.0%	0.0%	$5,525.00	$0.00
		Lucas Parada	18-28 July 2010	Geotechnician		11d	$425.00	$4,675.00	100.0%	0.0%	$4,675.00	$0.00
		Matt Turner	17-23 June 2010	Geotechnician		7d	$425.00	$2,975.00	100.0%	0.0%	$2,975.00	$0.00
		Scott Dowler	22 June - 19 July 2010 29 July - 26 Aug 2010	Junior Geotechnician		57d	$350.00	$19,950.00	100.0%	0.0%	$19,950.00	$0.00

CONTRACTOR	CATEGORY							Total	% DRILLING	% GEOTECH	$ DRILLING	$ GEOTECH
ESS				Type	Units	Month/Day	Unit Rate	Total				
	CAMP RENTAL			Trailers & Equipment		4.5mo	$30,000.00	$136,000.00	93.3%	6.7%	$126,888.00	$9,112.00
	FREIGHT							$23,548.33	93.3%	6.7%	$21,970.59	$1,577.74
	MEALS			Casual Meals	43		$19.50	$838.50	72.1%	27.9%	$604.56	$233.94
	ACCOMMODATIONS		Daily Room Rates	0 to 10 People		120d	$188.20	$22,584.00	50.0%	50.0%	$11,292.00	$11,292.00
		Variable based on # of people in camp		11 to 20 People		820d	$130.17	$106,739.40	85.1%	14.9%	$90,835.23	$15,904.17
				21 to 30 People		1772d	$111.73	$197,985.56	100.0%	0.0%	$197,985.56	$0.00
				31 to 40 People		0d	$95.46	$0.00	0.0%	0.0%	$0.00	$0.00
				41 to 50 People		0d	$79.90	$0.00	0.0%	0.0%	$0.00	$0.00
	OTHER							$3,080.00	50.0%	50.0%	$1,540.00	$1,540.00
Ingenika Logging Ltd.	PERSONNEL	Who	Dates	Type	Units	Month/Day	Unit Rate	Total				
		Henry Isaac	15-24 July 2010 8-12 Aug 2010 29 Aug - 1 Sept 2010 9-24 Oct 2010	Core Cutter	1	33.5d	$236.25	$7,914.38	100.0%	0.0%	$7,914.38	$0.00
		Jared McCook	17-24 July 2010 29 Aug - 1 Sept 2010	Core Cutter	1	12d	$236.25	$2,835.00	100.0%	0.0%	$2,835.00	$0.00
		Rico Isaac	18-28 Aug 2010	Labourer	1	9d	$236.25	$2,126.25	100.0%	0.0%	$2,126.25	$0.00
Kwadacha Natural Resource Agency Ltd.								Total				
	FREIGHT							$2,002.00	100.0%	0.0%	$2,002.00	$0.00
	MATERIALS	(Lumber)						$7,221.00	100.0%	0.0%	$7,221.00	$0.00
	PERSONNEL	Who	Dates	Type	Units	Month/Day	Unit Rate	Total				
		Ricky Lilly	28 June - 26 July 2010 8 Aug - 6 Sept 2010 14-23 Sept 2010 3-13 Oct 2010	Labourer	1	77d	$236.25	$18,191.25	100.0%	0.0%	$18,191.25	$0.00
		Trevor Trapp	28 June - 26 July 2010 5-20 Aug 2010	Labourer	1	42.5d	$236.25	$10,040.63	100.0%	0.0%	$10,040.63	$0.00
		Niel Pierre	28 June - 8 July 2010 10-26 July 2010 8-19 Aug 2010	Labourer	1	38d	$236.25	$8,977.50	100.0%	0.0%	$8,977.50	$0.00
		Duane Seymour	1-17 July 2010	Labourer	1	16d	$236.25	$3,780.00	100.0%	0.0%	$3,780.00	$0.00
		Ryan Seymour	16-30 July 2010 18 Aug - 11 Sept	Labourer	1	38d	$236.25	$8,977.50	100.0%	0.0%	$8,977.50	$0.00
		Lyle Izony	30-31 July 2010	Labourer	1	1.5d	$236.25	$354.38	100.0%	0.0%	$354.38	$0.00
		Troy Massettoe	26-30 July 2010	Labourer	1	4d	$236.25	$945.00	100.0%	0.0%	$945.00	$0.00
		Richie Massettoe	3-9 Aug 2010	Labourer	1	6d	$236.25	$2,126.25	100.0%	0.0%	$2,126.25	$0.00
		Sheldon Seymou	3-9 Aug 2010 18-27 Aug 2010	Labourer	1	15d	$236.25	$3,543.75	100.0%	0.0%	$3,543.75	$0.00
		Grant Poole	26 July - 6 Aug 2010	Labourer	1	10d	$236.25	$2,362.50	100.0%	0.0%	$2,362.50	$0.00
		Matt Izony	25 July - 6 Aug 2010	Labourer	1	11d	$236.25	$2,598.75	100.0%	0.0%	$2,598.75	$0.00
		Orlando Egnell	30 July - 19 Aug 2010 24 Aug - 9 Sept 2010 1-5 Oct 2010	Labourer	1	40.5d	$236.25	$9,568.13	100.0%	0.0%	$9,568.13	$0.00
		Ronald McCook	30 Aug - 9 Sept 2010 11-23 Sept 2010	Labourer	1	23d	$236.25	$5,433.75	100.0%	0.0%	$5,433.75	$0.00
		Niel Tomah	7-13 Sept 2010	Labourer	1	6.5d	$236.25	$1,535.63	100.0%	0.0%	$1,535.63	$0.00
		Leroy Dennis	14-24 Sept 2010	Labourer	1	10d	$236.25	$2,362.50	100.0%	0.0%	$2,362.50	$0.00
		Kelsey Piwniuk	9-24 Sept 2010	Labourer	1	16d	$236.25	$3,780.00	100.0%	0.0%	$3,780.00	$0.00
		Brandon Poole	16 Sept - 3 Oct 2010	Labourer	1	21d	$236.25	$4,961.25	100.0%	0.0%	$4,961.25	$0.00
		Arnold McCook	13-23 Oct 2010	Faller	1	10d	$546.75	$5,467.50	0.0%	100.0%	$0.00	$5,467.50
		Tony Egnell	13-21 Oct 2010	Faller	1	10d	$546.75	$5,467.50	0.0%	100.0%	$0.00	$5,467.50
Rodren Drilling Ltd.												
	MOB/DEMOB			Type	Units	Hours	Unit Rate	Total				
				Travel Man Hours		836hrs	$80.00	$66,880.00	100.0%	0.0%	$66,880.00	$0.00
				Airfare				$51,943.01	100.0%	0.0%	$51,943.01	$0.00
				Bus Fare				$423.35	100.0%	0.0%	$423.35	$0.00
				Accommodations				$4,338.29	100.0%	0.0%	$4,338.29	$0.00
				Expenses (Meals, Fuel, etc)				$3,258.57	100.0%	0.0%	$3,258.57	$0.00
	FREIGHT							$151,981.84	100.0%	0.0%	$151,981.84	$0.00
	MATERIALS	(Silt Fencing, Drilling Additives, Consumables, etc)						$153,438.33	100.0%	0.0%	$153,438.33	$0.00
	EQUIPMENT			Type	Units	Month/Hours	Unit Rate	Total				
				Reflex EZ-Shot	2	2.75mo	$1,931.16	$10,685.62	100.0%	0.0%	$10,685.62	$0.00
				Tractor	1	3mo	$4,250.00	$12,466.66	100.0%	0.0%	$12,466.66	$0.00
				Polydrill System	2			$1,613.33	100.0%	0.0%	$1,613.33	$0.00
	LABOUR	(Moving, Standbye, Waterlines, Delays, etc)			1	2,282.5hrs	$80.00	$182,600.00	100.0%	0.0%	$182,600.00	$0.00
	DRILL & CREW	(Drilling, Overburden, Surveying, Hole Conditioning, Reaming, etc			2	3,522.5hrs	$375.00	$1,320,937.50	100.0%	0.0%	$1,320,937.50	$0.00
	DRILLING			Overburden	114.1m		$40.00	$4,564.00	100.0%	0.0%	$4,564.00	$0.00
				Coring	6238.6m		$60.00	$374,316.00	100.0%	0.0%	$374,316.00	$0.00
				Reaming	443m		$40.00	$17,720.00	100.0%	0.0%	$17,720.00	$0.00

CONTRACTOR	CATEGORY					Total	% DRILLING	% GEOTECH	$ DRILLING	$ GEOTECH
Superior Propane	FUEL					$15,368.62	93.3%	6.7%	$14,338.92	$1,029.70
Interior Helicopters Ltd	HELICOPTER	Type	Units	Hours/Litres	Unit Rate	Total				
		MD 600N	1	57.1hrs	$1,375.00	$78,512.50	100.0%	0.0%	$78,512.50	$0.00
		A-Star B3	1	545.6hrs	$1,592.00	$868,595.20	99.0%	1.0%	$859,996.11	$8,685.95
	FUEL			114,957L	$1.35	$155,191.95	99.0%	1.0%	$153,640.03	$1,551.92
Blackwater Construction	MOB/DEMOB					Total				
						$31,517.60	0.0%	100.0%	$0.00	$31,517.60
	CONSTRUCTION	Trail Construction				$163,637.40	0.0%	100.0%	$0.00	$163,637.40
Geotech Drilling		Type	Units	Shifts/Hours	Unit Rate	Total				
	MOB/DEMOB					$5,600.00	0.0%	100.0%	$0.00	$5,600.00
	MATERIALS					$2,322.97	0.0%	100.0%	$0.00	$2,322.97
	EQUIPMENT	Track Mount RTV	1	8sh	$395.00	$3,160.00	0.0%	100.0%	$0.00	$3,160.00
		Grout Pump	1	8sh	$149.00	$1,192.00	0.0%	100.0%	$0.00	$1,192.00
		RTV Rental	1	8sh	$249.00	$1,992.00	0.0%	100.0%	$0.00	$1,992.00
		Water Works (pumps, bladders, hose		8sh	$199.00	$1,592.00	0.0%	100.0%	$0.00	$1,592.00
		Packer Equipment		8sh	$249.00	$1,992.00	0.0%	100.0%	$0.00	$1,992.00
	LABOUR			57.6hrs	$65.00	$3,744.50	0.0%	100.0%	$0.00	$3,744.50
	DRILL & CREW	(Drilling, Overburden, Setup, Packer Testing, etc)		69.5hrs	$275.00	$19,112.50	0.0%	100.0%	$0.00	$19,112.50
	DRILLING	Overburden	26.5ft		$12.75	$337.88	0.0%	100.0%	$0.00	$337.88
		Coring	165.5ft		$19.75	$3,268.63	0.0%	100.0%	$0.00	$3,268.63
								TOTAL	**$4,787,598.18**	**$338,762.73**

APPENDIX #4 Drill Hole Plan Map
&
Geological Cross Sections



TSX-V:CZX
CANADA ZINC METALS CORP.

Units: Metres Date: 3 May 2011 By: Nick Johnson

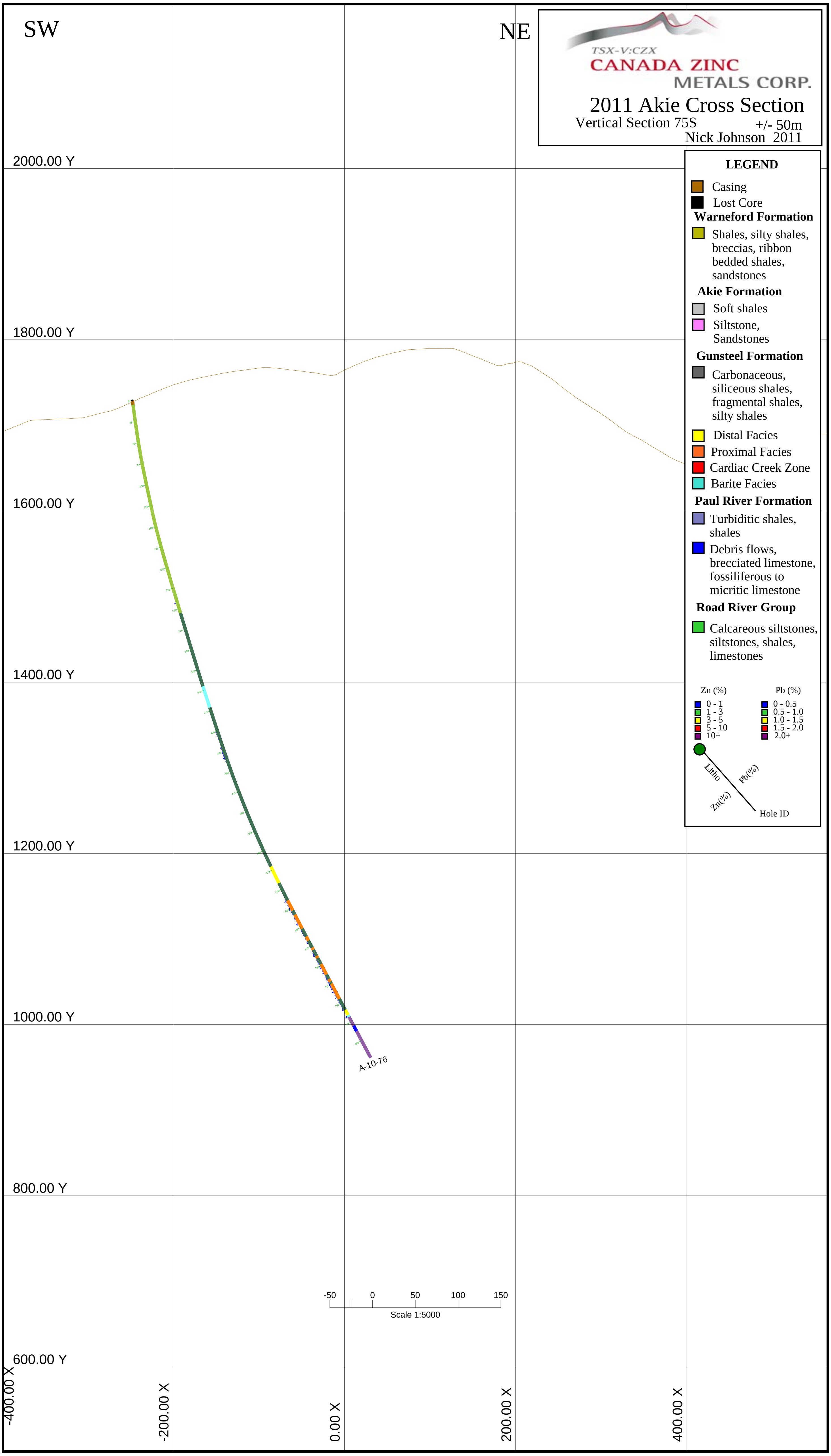
2010 DDH PLAN VIEW

Scale 1:25,000

UTM: NAD83 Zone 10

LEGEND

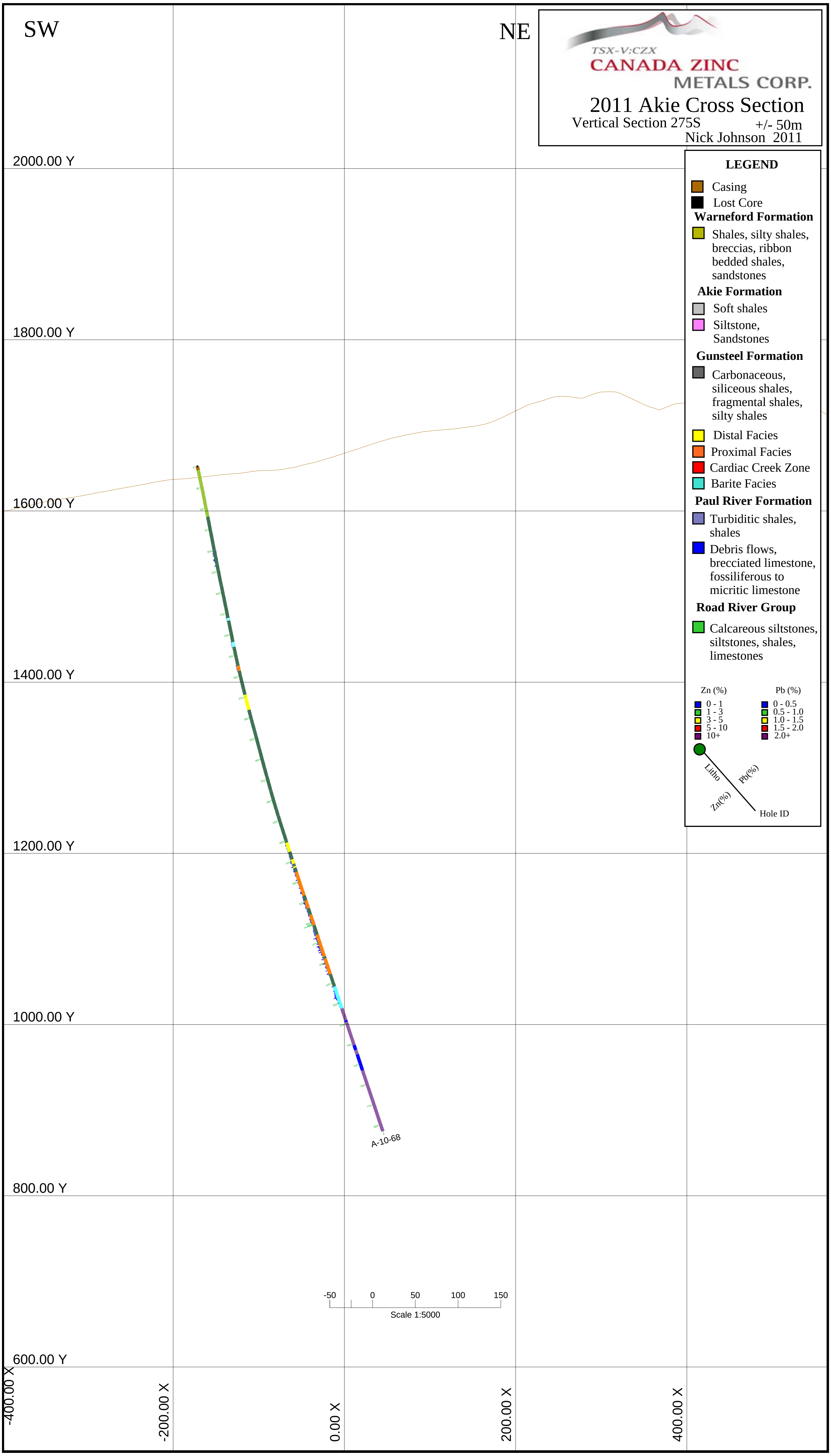
🟩	Pre 2010 DDH's		Contours 20m
🟥	2010 DDH		River, stream, creek
			Trail, Road



TSX-V:CZX
CANADA ZINC
METALS CORP.

2011 Akie Cross Section

Vertical Section 75S
+/- 50m
Nick Johnson 2011



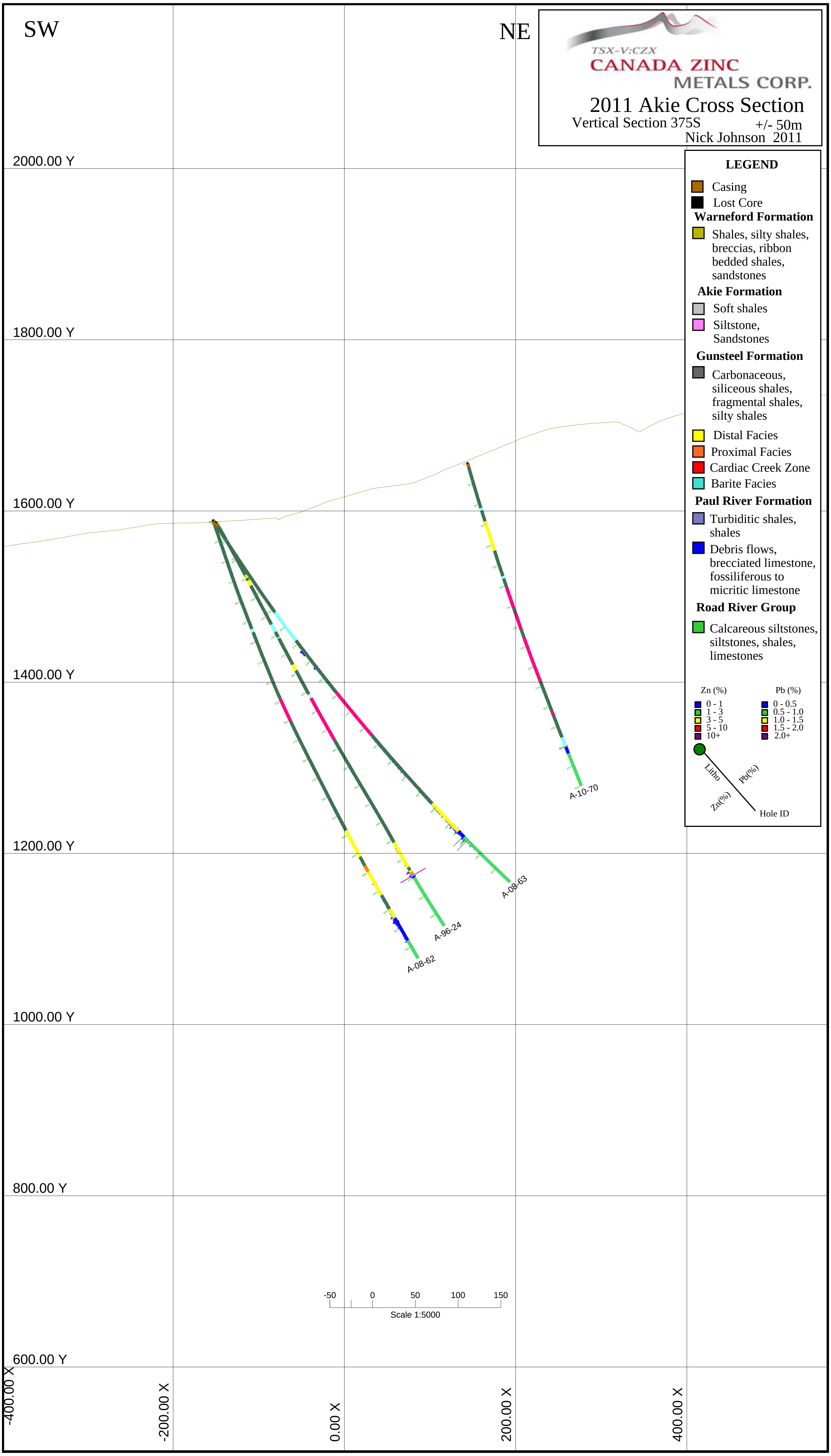
TSX-V:CZX

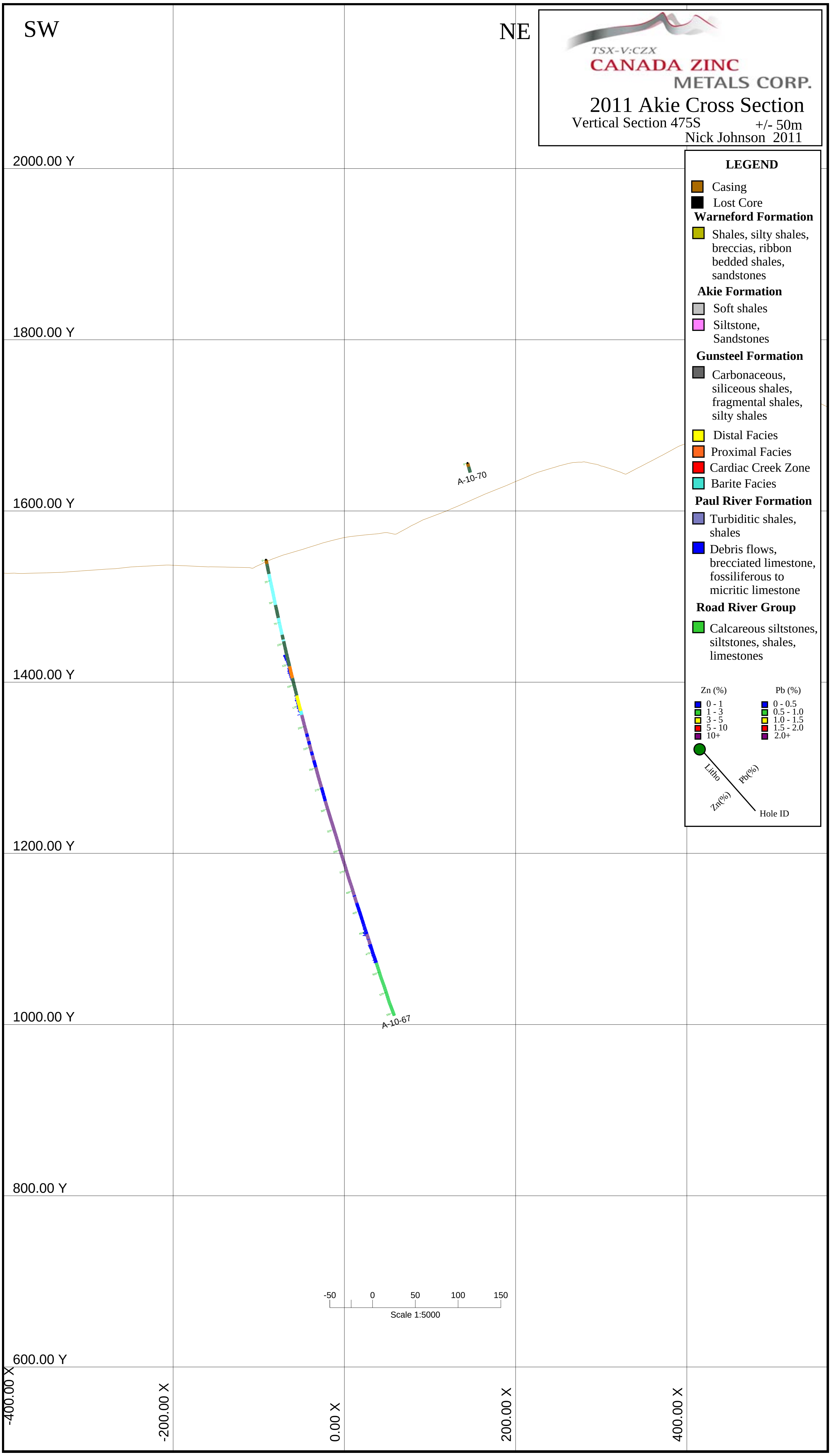
CANADA ZINC METALS CORP.

2011 Akie Cross Section

Vertical Section 275S +/- 50m

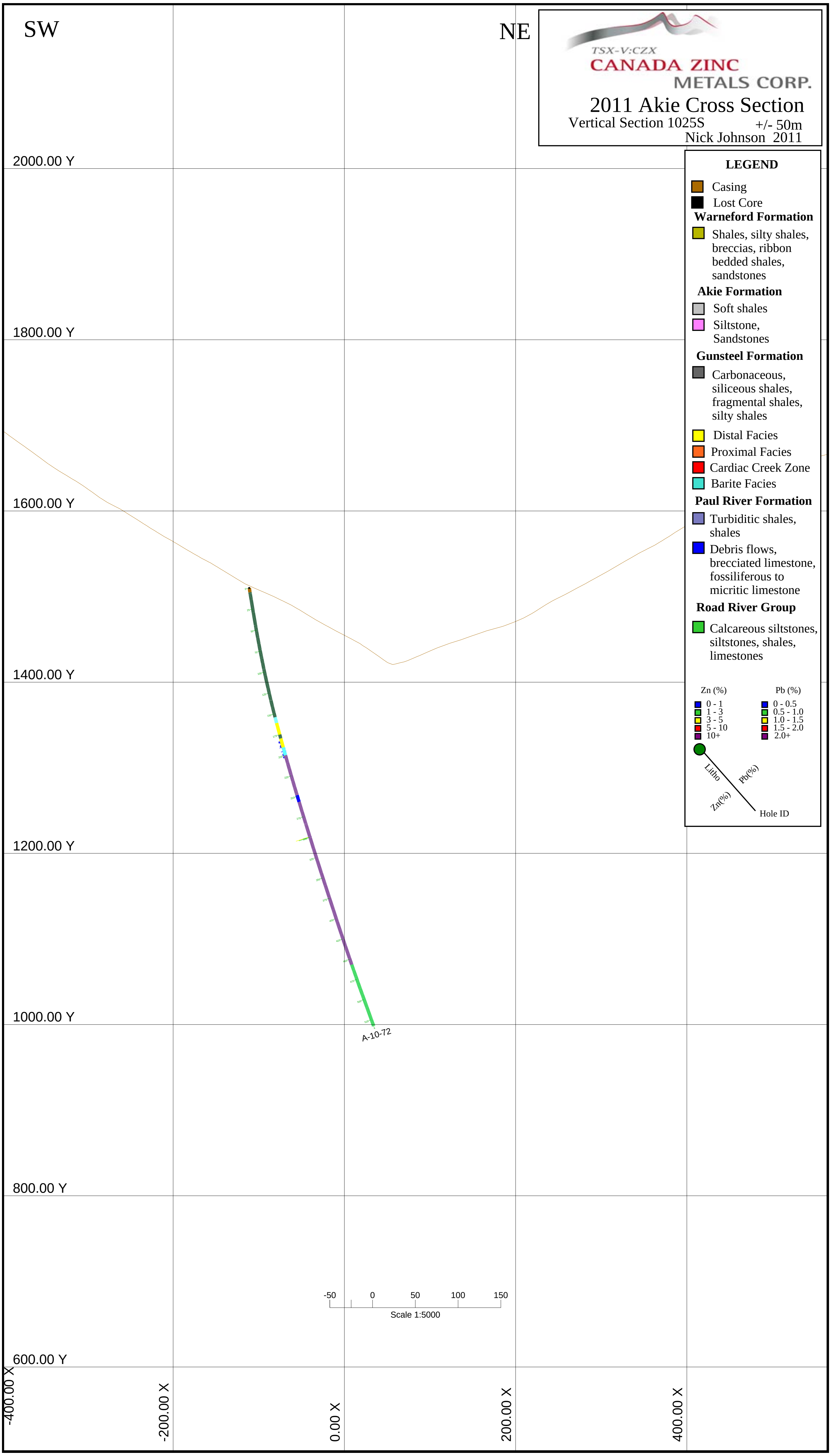
Nick Johnson 2011


SW
NE
TSX-V:CZX
CANADA ZINC
METALS CORP.
2011 Akie Cross Section
Vertical Section 375S
+/- 50m
Nick Johnson 2011
LEGEND
Casing
Lost Core
Warneford Formation
Shales, silty shales, breccias, ribbon bedded shales, sandstones
Akie Formation
Soft shales
Siltstone, Sandstones
Gunsteel Formation
Carbonaceous, siliceous shales, fragmental shales, silty shales
Distal Facies
Proximal Facies
Cardiac Creek Zone
Barite Facies
Paul River Formation
Turbiditic shales, shales
Debris flows, brecciated limestone, fossiliferous to micritic limestone
Road River Group
Calcareous siltstones, siltstones, shales, limestones
Zn (%)
0 - 1
1 - 3
3 - 5
5 - 10
10+
Pb (%)
0 - 0.5
0.5 - 1.0
1.0 - 1.5
1.5 - 2.0
2.0+
Litho
Pb(%)
Zn(%)
Hole ID
2000.00 Y
1800.00 Y
1600.00 Y
1400.00 Y
1200.00 Y
1000.00 Y
800.00 Y
600.00 Y
-400.00 X
-200.00 X
0.00 X
200.00 X
400.00 X
A-10-70
A-08-63
A-96-24
A-08-62
-50
0
50
100
150
Scale 1:5000


TSX-V:CZX
CANADA ZINC METALS CORP.

2011 Akie Cross Section

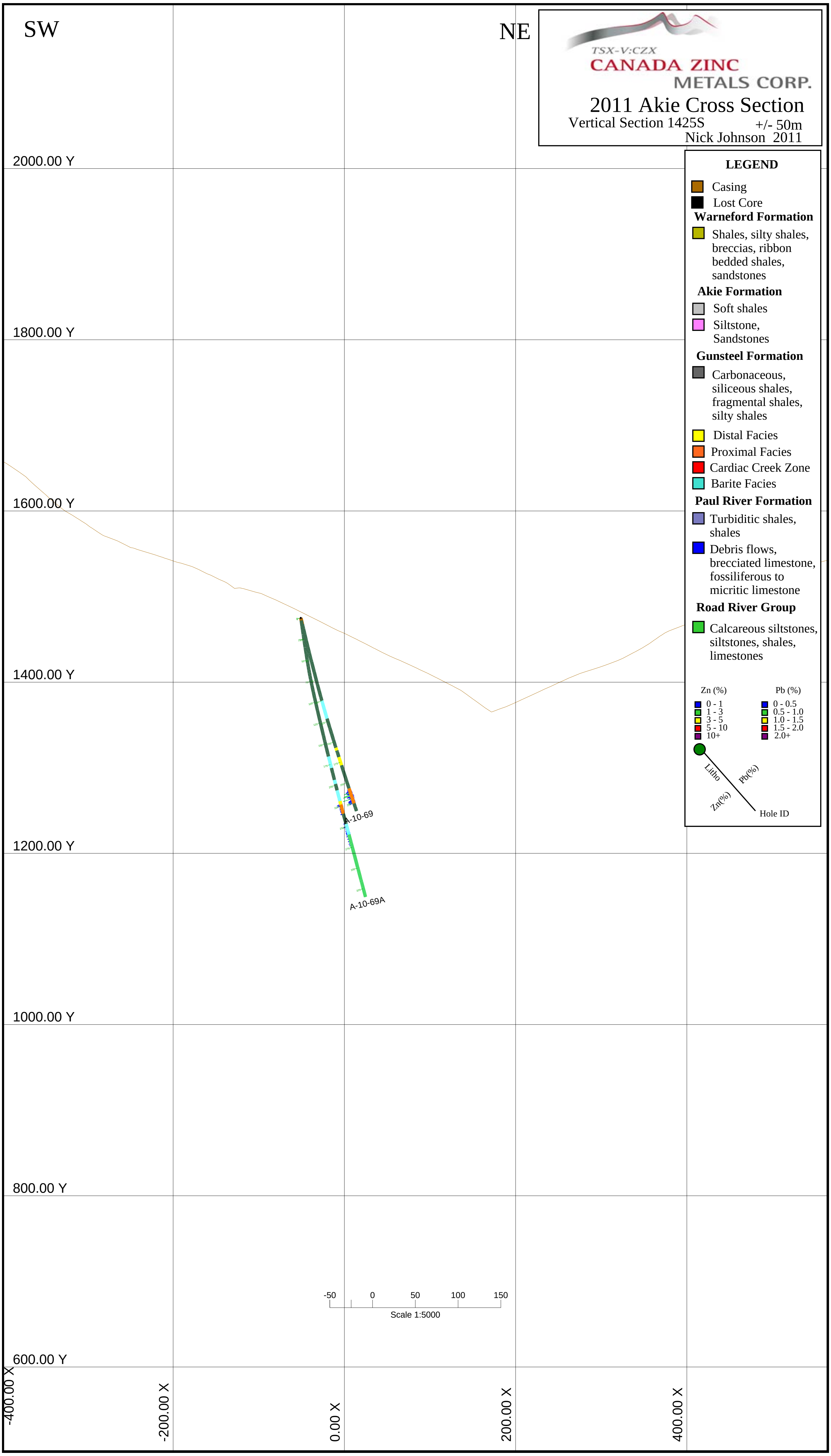
Vertical Section 475S +/- 50m
Nick Johnson 2011



TSX-V:CZX
CANADA ZINC
METALS CORP.

2011 Akie Cross Section

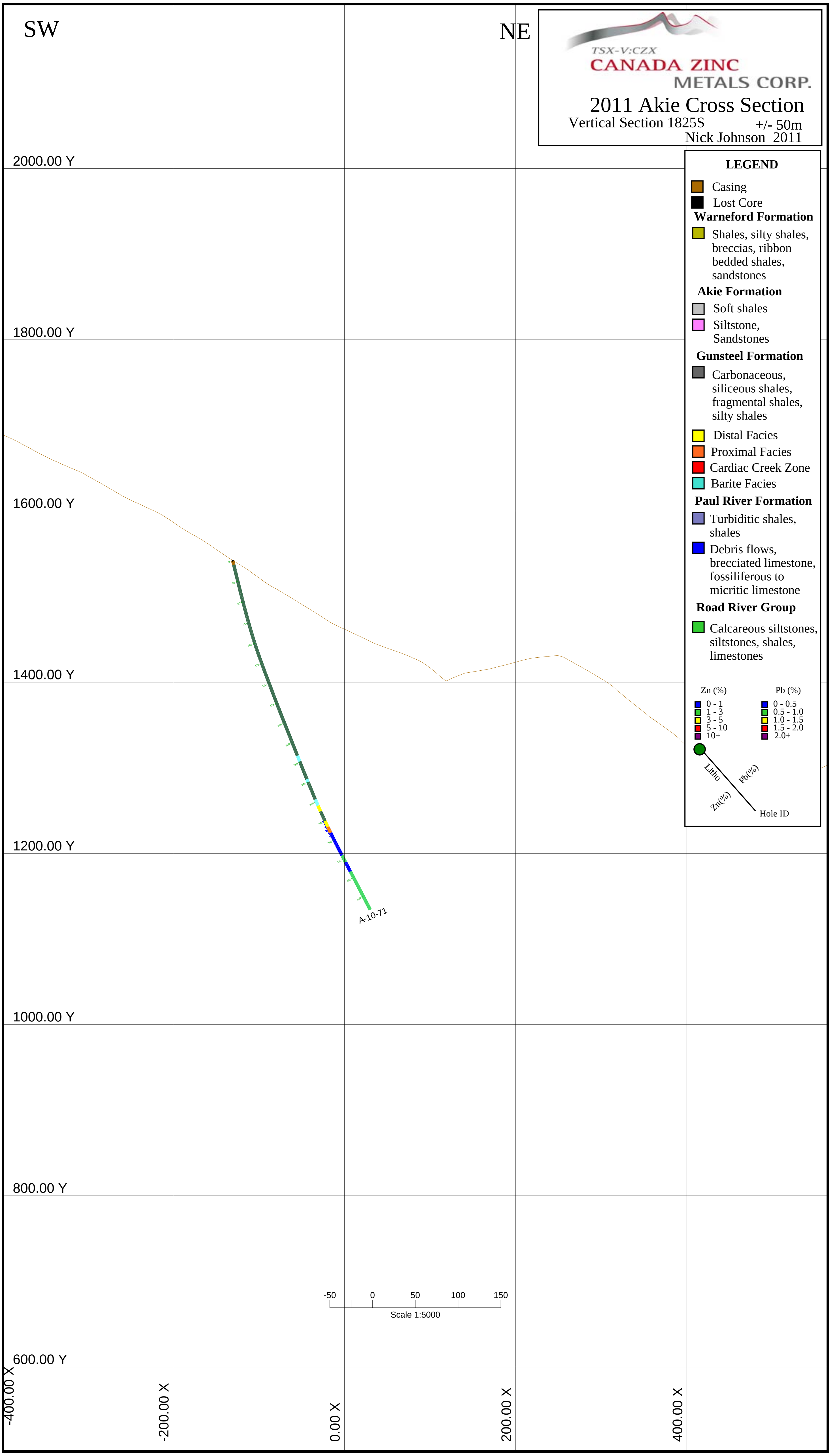
Vertical Section 1025S +/- 50m
Nick Johnson 2011



TSX-V:CZX
CANADA ZINC METALS CORP.

2011 Akie Cross Section

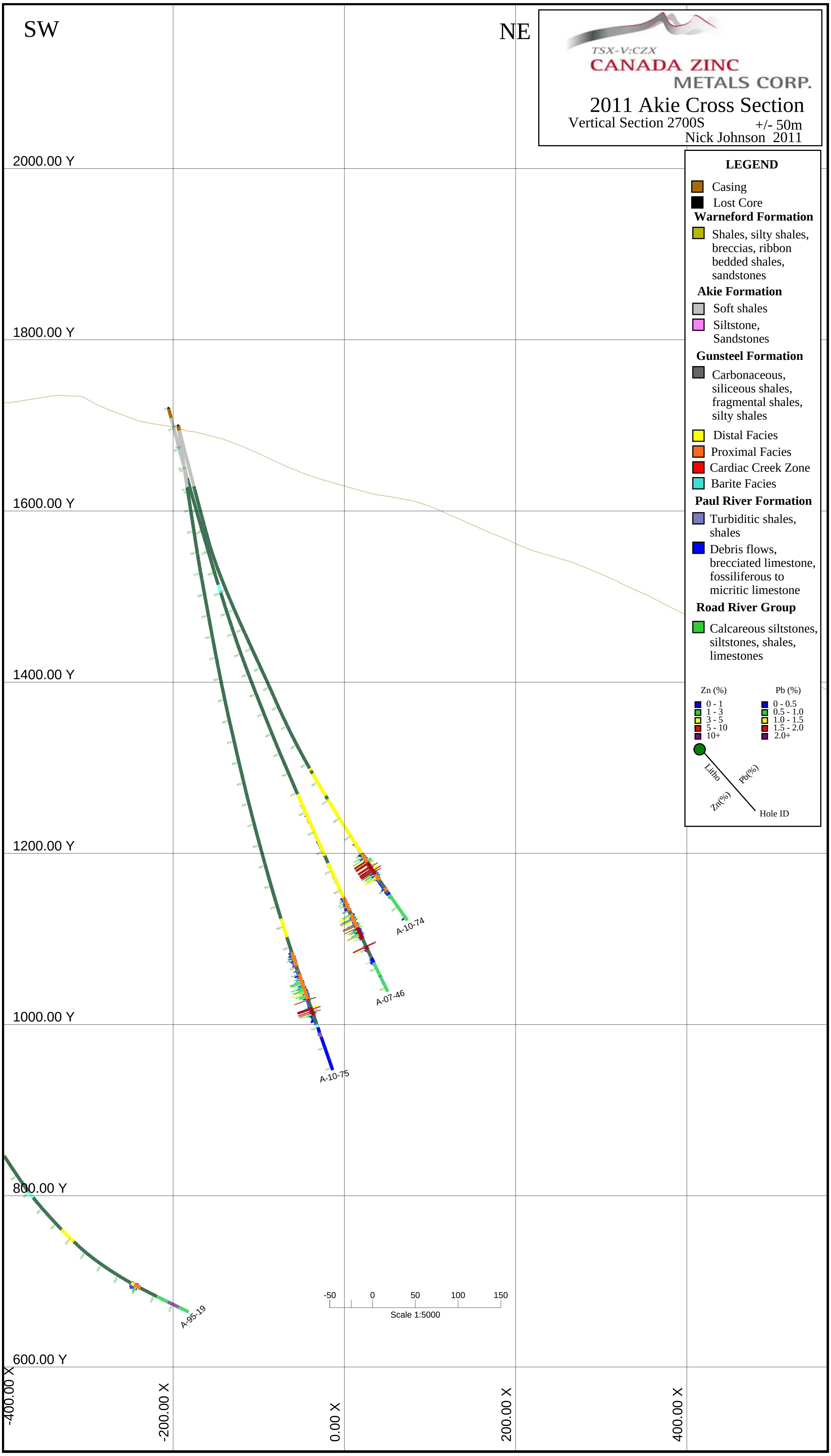
Vertical Section 1425S +/- 50m
Nick Johnson 2011



TSX-V:CZX
CANADA ZINC
METALS CORP.

2011 Akie Cross Section

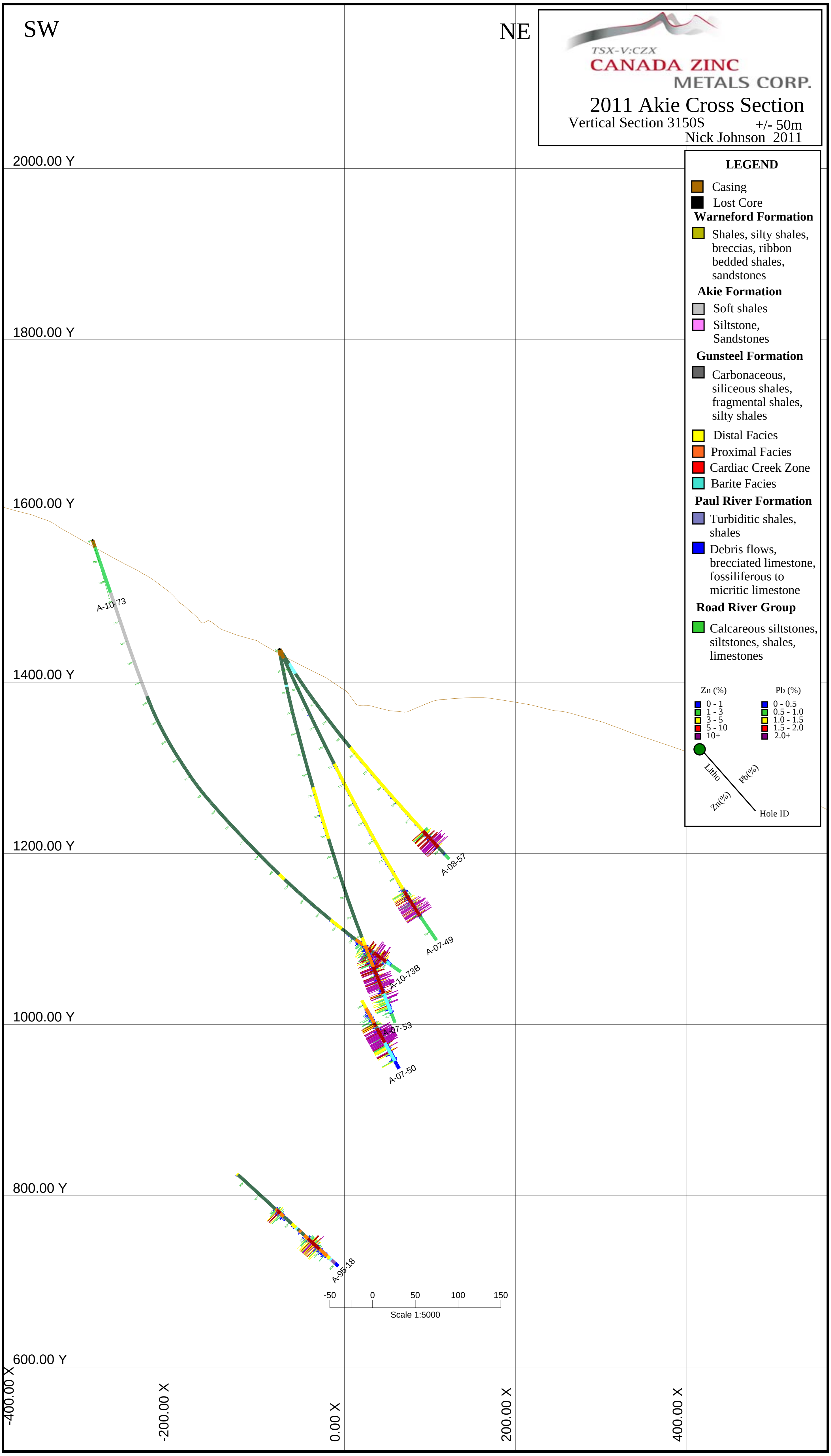
Vertical Section 1825S +/- 50m
Nick Johnson 2011



TSX-V:CZX
CANADA ZINC
METALS CORP.

2011 Akie Cross Section

Vertical Section 2700S +/- 50m
Nick Johnson 2011



TSX-V:CZX
CANADA ZINC METALS CORP.

2011 Akie Cross Section

Vertical Section 3150S +/- 50m

Nick Johnson 2011

APPENDIX #5 Exploration Drill Logs

COAST MOUTAIN GEOLOGICAL LTD.
DRILL HOLE COVER SHEET

PROPERTY: Akie Property
DRILL HOLE #: A-10-67
LOGGED BY: Nick Johnson, Scott Dowler
COVER SHEET DATE: 18 July 2010

DDH COLLAR LOCATION

PROPOSED
DATUM: NAD 83 Zone 10

LOCAL GRID
NORTH:
EAST:
ELEVATION:

UTM CO-ORDS
NORTHING: 6362343
EASTING: 386800
ELEVATION: 1543

SURVEYED

LOCAL GRID
NORTH:
EAST:
ELEVATION:

UTM CO-ORDS
NORTHING:
EASTING:
ELEVATION:

DDH COLLAR ORIENTATION

PROPOSED
AZIMUTH: 50
DIP: -78

SURVEYED
AZIMUTH:
DIP:

DDH LENGTH

PROPOSED
LENGTH: 575

ACTUAL
LENGTH: 553.83

DOWN HOLE SURVEY

SURVEY TYPE: REFLEX EZ-SHOT

DISTANCE	AZIMUTH	DIP	ACPTED	COMMENTS
0	50	-78	Yes	
14	54.38	-78.8	Yes	
44	54.18	-78.8	Yes	
74	50.88	-78.1	Yes	
104	50.78	-77.4	Yes	
134	47.18	-76.9	Yes	
164	45.08	-76.2	Yes	
194	44.98	-75.8	Yes	
224	46.28	-75.6	Yes	
254	47.48	-75	Yes	
284	47.58	-74.7	Yes	
344	49.08	-74.4	Yes	
374	49.98	-73.8	**Yes**	
404	50.58	-73.5	Yes	
441	47.08	-73.2	Yes	
471	44.98	-73.5	Yes	
502	44.68	-73.3	Yes	
532	47.78	-73.4	Yes	

DRILLING INFORMATION

CONTRACTOR: Rodren Drilling
CORE DIAMETER: HQ, NQ
DATE STARTED: 28 June 2010
DATE COMPLETED: 7 July 2010
CAPPED: YES
CASING: YES
UNITS: METRIC: X IMPERIAL X

HOLE OBJECTIVE: Test the down dip extension of the mineralisation encountered in holes 24, 62, 63

HOLE SUMMARY: Note: Magnetic Declination for 2010 is 20.78 degree East
Note: Box 4 was dropped and puzzled together, not totally correct
Note: Missing 1m of core from 407m to 410.57m when reducing to NQ rods.
Note: HQ rods are in metric, NQ rods in imperial

The drill hole collared into the Gunsteel shale which extended to a depth of 185.90m. The prospective Cardiac Creek Horizon was intercepted between 181.25 - 185.90m characterised by massive beds of laminated Py and nodular to bedded Ba. The Gunsteel shale is underlain by black shales interbedded with distinct silty beds and debris flows.
A small section of laminated Py was encountered within the debris flows at a depth of 447.44 - 450 before the hole terminated in rocks of the Road River group at a depth of 553.83.

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-67	0	5	5	Casing/Overburden	Casing/Overburden	CS		CS
A-10-67	5	17	12	Black siliceous mudstone//shale Gunsteel?	Black to dark blue?, very hard, siliceous mudstone/shale. The top of the hole is badly broken up with limonitic FeO staining on fracture planes/cleavage surfaces. There are a few scattered carbonate veinlets present and pyritic limy/silty beds. The mudstone is predominantely featureless.	4SH		GSF
A-10-67	17	54	37	Black siliceous shale hosting abundant folded nodular Ba beds.	Black to dark blue, very hard, siliceous mudstone/shale hosting abundant bands, generally 5 to 10+cm thick consisting of grey blue mm's wide nodular Ba, very minor very fine grained, dull brown pyrite laminations interbedded with the host shales. Also present in this section are: scattered medium grey calcareous limy mud beds, generally a few cm's thick, which appear to be boudinaged and hosting abundant extensional carbonate veinelts oriented at 150 deg to the CA; scattered large medium grey calcareous, spherical to ovoid concretions hosting abundant carbonate fractures. There are also sub cm sized pyritised concretions as well; thin, typically cm thick brown to brassy yellow discontinuous pyritic lenses; and scattered fine sub mm carbonate fracture to cm sized Qtz, carb veinlets oriented predominantly parallel to 90 deg to the CA.	4BSH		GSF
				continued	There are also abundant cm thick medium grey calcareous limy mud beds present throughout the section interbedde with the shales and nodudular Ba bands. The uphole contact is marked by a brittle fault.			
A-10-67	54	69.5	15.5	Black siliceous shale hosting minor nodular Ba bands	Same as above however there appears to be a decrease in abundance of the nodular Ba, minor Py bands.	4SH	4BSH	GSF
A-10-67	69.5	89.53	20.03	Black siliceous shale hosting abundant folded nodular Ba beds.	Same as the interval from 17 to 54m with a return of abundant nodular Ba bands. The lower contact appears to be disrupted by brittle faulting and a Qtz, carb, vein zone.	4BSH		GSF
A-10-67	89.53	95.34	5.81	black featureless siliceous shale/mudstone	Black, very hard siliceous mudstone/shale. This section is generally featureless in terms of bedding and is host to a qtz, carb vein zone and faulting.	4SH		GSF
A-10-67	95.34	97.4	2.06	Black siliceous shale hosting nodular Ba beds and minor laminated Py	Black siliceous very hard mudstone/shale hosting minor amounts of nodular Ba bands, upto 5cm wide with interbedded medium grey to offwhite nodular Ba beds, very fine grained, dull brown Py laminations (very very faint, wet core to observe) and shale. These nodular Ba bands are weakly developed in this short section. There also some scattered Qtz, carb veining present oriented roughly paralllel to the bedding/cleavage. The host shales also have scattered pyritic, light to medium grey calcareous/limy mud beds generally a cm or so thick.	4BSH		GSF
A-10-67	97.4	127.5	30.1	Black siliceous shale with scattered limy mud beds, and very faint Py laminations	Black, siliceous and carbonaceous shale/mudstone with: Scattered, generally cm wide light to medium grey pyritic limy mud beds; scattered up to 5cm wide, light grey silty beds interbedded with the shale. There does not appear to be any visible grading present in the silty beds; rare, large medium grey, calcareous concretions with disseminated Py and fine carbonate fractures and very rounded but do not appear to indicate a spherical or ovoid shape as per usual. These large concretions may have been deformed and squashed; Scattered mm's wide Qtz, carb veinlets throughout the interval with minor brassy yellow Py oriented generally at 40 to 50 deg to the CA. However, a silty bed at 108.70 appears t display Tops uphole. Also present in the interval are very weak bands of sub mm sized grey to off white nodular Ba bands and very faint, very fine grained, dull brown Py laminations. Also scattered throughtout the interval are mm's thin, black to dark blue very hard, possible chert beds. these beds also display fine carbonate fractures oriented perpendicular to the bedding orientation.	4SH		GSF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-67	127.5	141.6	14.1	Massive Py beds interbedded black siliceous shale	Black, siliceous and carbonaceous shale/mudstone, very hard interbedded with regularly spaced upto 15cm wide dull brown massive Py beds, internally laminated, contain sub mm sized Ba nodules that appear to be replaced by white carbonate and bright brassy yellow Py. The sulphides and shales host dark grey calcareous concretions, generally 1-5cm in diameter. A larger 5 to 10 cm concretion displays radialy carbonate filled fractures, though to possibly be shrinkage fractures. Along the down hole contact of a few sulphide beds (@132.60, @135.10m) the Py appears to have a very slight grey colour tone, possibly indicating an increase in Sp concentration. Along the upper contact there is a vein zone with abundant Qtz, Carb veins and veinlets oriented predominantly parallel to the bedding. There are also abundant fine carbonate filled fractures with brassy Py and brown red Sp. Rare light grey calcareous sil beds present as well.	4MPSH		GSF
A-10-67	141.6	162.55	20.95	Gunsteel Shale, black siliceous shale/mudstone	Black, siliceous and carbonaceous shale mudstone with fine grained brassy yellow disseminated Py throughout. This interval is featureless. At 152.5- end of unit are minor cm-mm scale white cal-qtz veins predominantly oriented at 30-35 to CA spaced at regular 15-20cm intervals.	4SH		GSF
A-10-67	162.55	181.25	18.7	Gunsteel Shale, black siliceous shale/mudstone with Py Lams and Nodular barite	Black, siliceous carbonaceous mudstone inter-bedded with regularly spaced <30cm sections of dull brown faint-moderate exhalative laminated py inter-bedded with dull white moderately calcareous nodular barite beds. Contains regularly spaced white cal-qtz veins cross-cutting bedding at 150 to CA. Dead shale from 172.3-175.4 at 174m rounded to oval <4cm concretions are apparent decreasing in size downhole. Two grey-dark grey limy 20cm siltstone beds at bottom of unit with <1% coarse grained py replacement.	4PYSH		GSF
A-10-67	181.25	185.9	4.65	Nodular barite with Globular Concretions?	This interval is characterised by abundant white to grey, ovoid to bedded nodular Ba bands, generally 1 5 cm thick interbedded with: very fine grained brassy yelllow to dull brown Py laminations; dark grey, very hard chert beds upto a cm in thickness, black siliceous, carbonaceous shale with disseminated brassy yellow pyrite; generally 5cm wide bands of medium grey calcareous globular concretion clusters which appear to form banding. The sulphides flow around the concretions and there appear to be relic nodular Ba beds present within the concretion bands. . The concretion bands are also host to fine carbonate filled fractures oriented perpendicular to the bands themselves.	4MBSH	4MPSH	GSF
A-10-67	185.9	208.54	22.64	Gunsteel shale interbedded with pyritic calcareous silt beds	Black, siliceous and carbonaceous shale/mudstone hosting disseminated Py interbedded with: brassy yellow pyritic, calcareous, light to medium gray brown ranging in width from sub cm to 4cm, scattered throughout the unit; mm 1-5mm wide fine grained, brassy yelllow pyritic layers/beds regularly spaced throughout the unit. Rare fine fractures filled with carb scattered throughout the interval with no preferred orientation. There are scattered, cm's thick debris flow lenses containing angular fragments of limeston shale, dark grey calcareous fragments with a mudstone matrix. These are located at: 187.41-187.42m, 190.70-190.71m with possible TOPS uphole, 192.36-192.37m, 193.22-193.30m, 193.52-193.53, 195.51 195.515m, 196.76-196.77m with possible TOPS uphole, 200.61-200.73m, 200.82-200.90m, 203.82-203.83m, 204.83-204.89m, 206.68-206.74m with TOPS uphole?, 208.34-208.36m with TOPS uphole. There are several sub mm scale beds of debris as well. Also present are laminated Qtz carb veins? scattered throughout the unit upto 5-10cm wide.	5SS		PRF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-67	208.54	212.4	3.86	Fossiliferous limestone debris flow and boulders	Light grey, calcareous fossiliferous limestone with bivalves, crinoids, coral fragments, bryozoan fragments. The uphole contact is represented by a debris flow with angular fragments of fossiliferous limestone hosted in a matrix of mudstone for the first 50cm. The remainder of the interval appears to be massive limestone with the occassional seam of mudstone. The downhole contact of the unit is very sharp but irregular and jagged. It is thought that this unit represents simply another debris flow hosted within the silty shales of the unit both above and below. There appears to be a very thin bed of laminated Ba at 209.25m	5BXLS		PRF
A-10-67	212.4	217.72	5.32	Gunsteel shale interbedded with pyritic calcareous silt beds	Same as 185.90-208.54m. Debris flow beds occur at 213.54-213.57m, 214.06-214.11m,	5SS		PRF
A-10-67	217.72	221.85	4.13	Fragmental/Debris flow hosted in carbonaceous shale	The interval contains abundant fragments variably sized from sub cm to >10cm, angular, consisting of fossiliferous limestone, dark grey black shale, calcareous, dark grey siltstones/mudstone. Locally there appears to be grading from coarse grains sizes fining up hole to mudstone. There is minor bright brassy yellow pyrite which appears to replace a few grains. A large fragment at 220-50 contains fractures filled with a light grey mineral, possibly Ba. The down hole contact is sharp while the uphole contact is gradational back into the overlying mudstones/shales.	5BXLS		PRF
A-10-67	221.85	230.4	8.55	Gunsteel shale interbedded with pyritic calcareous silt beds	Same as 185.90-208.54m.	5SS		PRF
A-10-67	230.4	234.8	4.4	Fragmental/Debris flow hosted in carbonaceous shale	Siliceous, black mudstone hosting abundant fragments of variably sized sub cm to >10cm, angular clas of fossiliferous limestone, calcareous med-d. Grey siltstone. Some dark grey-black mudstone fragments also present within flow. There does not appear to be any form of grading present within flow, however there are layers of medium sized clasts (<1cm to 3cm size) dispersed between larger debris clasts. As an example see 234.58m to 234.65m. Additionaly, the mudstone matrix of the debris flow periodically display fine sub mm Py laminations between debris clasts. Minor qtz/cal veinlets are dispersed throughout. Brassy, yellow prite replaces a few clasts within flow. There is a sharp downhole and uphole contact between the debris flow and the mudstone unit.	5BXLS		PRF
A-10-67	234.8	240.95	6.15	Gunsteel silty shale interbedded with Pyritic calcareous silt beds and debris flows	Same as 185.90-208.54m. Graded bedding observed within the debris flow beds appears to display TOPS uphole	5SS		PRF
A-10-67	240.95	249.25	8.3	Fragmental/Debris flow hosted in carbonaceous shale	Same as 230.40-234.8 however there is a decrease in the abundance of fossiliferous limestone clasts and an increase in medium grey, speckled, silty to sandy pyritic clasts and discontinuous lenses and fragments of dark black blue, chert with small mm sized concentric circular features (radiolarians?) and minor pyrobitumen and carbonate. There is a large tan to light brown anguar boulder in the central section of the interval with bright brassy yelllow euhedral Py. The host shale/mudstone contains fine laminations of Py and locally contains abundant disseminated Py.	5BXLS		PRF
A-10-67	249.25	273.78	24.53	Gunsteel silty shale interbedded with Pyritic calcareous silt beds and debris flows	Same as 185.90-208.54 however there is a marked increase in silt content of the mudstone/shale interbeds between the light grey silty to sandy beds and debris flow beds. There is also appears to be an increase in the abundance of the silty to sandy light grey beds which also appears to contain thin beds of debris containing angular clasts. These debris flow beds usualy occur along the downhole contact of the silty beds. Larger debris flow beds occur at: 266.58-267m, 267.81-267.92m, 271.45-271.75m, 271.89-272.37m. Graded bedding in the silty beds appears to display TOPS uphole.	5SS		PRF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-67	273.78	283.36	9.58	Fragmental/Debris flow hosted in carbonaceous shale	Siliceous, black mudstone hosting abundant sub mm to boulder sized angular clasts of medium to dark grey siltstone and fossiliferous limestone clasts. The fossils and clasts present in the limestone are bryozoans, crinoids, corals and bivalves; few clasts are replaced by Py. Within the debris flow unit there is a short interval (276.87-277.75m) of mudstone interbedded with abundant silty, sandy beds, some beds fining uphole; some beds are replaced by Py (278.50m to 278.51m). Also quartz carbonate has filled fractures between pebble clasts and flow events. Also of note, pebble clasts may show imbrication in a downhole direction(?). It is a sharp, irregular contact downhole with the limestone unit.	5BXLS		PRF
A-10-67	283.36	290.4	7.04	Fossiliferous limestone with minor debris	The fossiliferous limestone unit could be large boulders or a small section of reef and could be classified as a packstone or grainstone on the Dunlop classification scheme. The cement between clasts is predominantly calcite (80% calcite, 20% qtz). The unit displays a sharp, irregular contact uphole with the debris flow and a sharp irregular contact downhole with the mudstone. Within this limestone unit there is a section of mudstone (287.30m to 287.76m) with one large ~8cm slst. clast and sparse smaller sub cm clasts. Additionally, quartz-calcite is filling the fractures in this unit.	5BXLS		PRF
A-10-67	290.4	405.68	115.28	Black, carbonaceous, siliceous mudstone/shale	Black, carbonaceous, moderately hard, siliceous mudstone/shale. This unit displays two distinct cleavages with one at a moderate angle to the CA and a second at a very lowangle to the CA. There ar abundant irregularily shaped white carbonate rimmed with bright brassy yellow Py cores clasts? scattered throughout the unit generally with no preferred orientation.There are local very very faint very fine grained, dull brown boudinaged? Py laminations describing what appears to be very tight folding @ 315-318m. These very faint Py laminations are found locally throughout the unit, some displaying tight z-folds as fine grained disseminated Py. There are also scattered discontinuous, boudinaged? pyritic, silty to sandy light to medium grey beds. Rare, medium grey bands with bright brassy yellow which appear to disrupt and locally brecciate the host black muds. Locally there are fine carbonate fractures producing crackle breccias. There are also a few scattered small intervals of debris flows containing angular clasts of fossiliferous limestone, mudstone, sandy siltstone ranging in size from sub mm to cobble sized clasts located at 309.89-310.15m. From 369.95m to 370.3m there is a lense of limey, sub-rounded, mm to cm	5SH		PRF
				continued	From 369.95m to 370.3m there is a lense of limey, sub-rounded, mm to cm sized, siliceous siltstone debris flow? that has different characteristics than previous flows. It does not contain fossiliferous limestone, the clasts are more rounded and there is little mudstone matrix. Also of note in this region is an unconformity with the gunsteel downhole. Additionally, at 378.43m to 379.09m there is a layer of medium to dark grey, limey siltstone displaying unconformities at both the uphole and down hole contacts with the gunsteel.			
A-10-67	401.68	406.99	5.31	Fossiliferous limestone and siltstone debris flow hosted in siliceous, black mudstone	Siliceous,carbonaceous, black mudstone hosting abundant sub mm to boulder sized angular clasts of medium to dark grey limey siltstone and fossiliferous limestone. Some dark-grey to black mudstone fragments are present within the flow. The fossils and clasts present in the limestone are bryozoans, crinoids, corals and bivalves; few clasts are replaced by Py. There is no indication of grading within the flow and all clasts are randomly dispersed. Also abundant quartz carbonate veins and veinlets fill the fractures between pebble clasts and flow events as well as cut through clasts. It is a sharp, irregular contact uphole with the mudstone unit and an abrupt end to the debris flow downhole with a small section of rubble, suggesting there is a minor fault at this contact.	5BXLS		PRF
A-10-67	406.99	414.8	7.81	Black, carbonaceous, siliceous mudstone/shale	Same as 290.4m to 401.68m	5SH	5SS	PRF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-67	414.8	441.05	26.25	Fossiliferous limestone and siltstone debris flow hosted in siliceous, black mudstone	Same as 401.68 to 406.99, however, there is an increase in the amount of medium to dark grey, speckled siltstone clasts, as well as a marked increase in the number of clasts that have been pyritized.	5BXLS	5SH	PRF
A-10-67	441.05	444	2.95	Fossiliferous limestone and siltstone debris flow hosted in siliceous, black mudstone that has been replaced by Py	There are abundant mm to <10cm sized, angular, medium to dark grey, limey siltstone and fossiliferous limestone clasts within a mudstone matrix that has been 90% replaced by very fine grained, dull brown, brassy-yellow pyrite laminations. The Py laminations within the matrix are 1-3mm thick and are interbedded with mudstone laminations that are generally 1mm thick. This entire section appears to be one debris flow event with no dead shale beds inbetween.	5BXLS		PRF
A-10-67	444	447.44	3.44	Fossiliferous limestone and siltstone debris flow hosted in siliceous, black mudstone	Same as 414.8 to 441.05, except this is mostly fault gouge.	5BXLS	5SH	PRF
A-10-67	447.44	450.3	2.86	Fossiliferous limestone and siltstone debris flow hosted in siliceous, black mudstone that has been replaced by Py	There are abundant mm to <10cm sized, angular, medium to dark grey, limey siltstone and fossiliferous limestone clasts within a mudstone matrix that has been 90% replaced by very fine grained, dull brown, brassy-yellow pyrite laminations. The Py laminations within the matrix are 1-3mm thick and are interbedded with mudstone laminations that are generally 1mm thick. This entire section appears to be one debris flow event with no dead shale beds inbetween. The only difference between this unit and the previous mineralized unit is that the laminations of Py become increasingly infrequent downhole.	5BXLS	5MPSH	PRF
A-10-67	450.3	453.24	2.94	Fossiliferous limestone and siltstone debris flow hosted in siliceous, black mudstone	Same as 414.8 to 441.05.	5BXLS	5SH	PRF
A-10-67	453.24	459.39	6.15	Black, carbonaceous, siliceous mudstone/shale interbedded with debris flows	Black, carbonaceous, siliceous mudstone with interbedded debris flows consisting of angular, predominantly pebble-sized (few cobble sized) clasts of medium to dark grey limey siltstone and fossiliferous limestone. Some clasts have been partially pyritized and there are some mm thick laminations of dull brown, brassy, fine-grained pyrite replaced siltstone within the mudstone host rock, as well as very fine grained disseminated pyrite throughout. The Debris flow events within the mudstone are matrix supported and range in thickness from 5 to 60cm.They are randomly spaced througout the unit.	5SH	5BXLS	PRF
A-10-67	459.39	460.2	0.81	Fossiliferous limestone and siltstone debris flow hosted in siliceous, black mudstone	This appears to be a large fossiliferous limestone boulder within a mudstone matrix. Abundant fossils are seen within the limestone.	5BXLS		PRF
A-10-67	460.2	465.6	5.4	Black, carbonaceous, siliceous mudstone/shale interbedded with debris flows	Black, carbonaceous, siliceous mudstone with interbedded with abundant light grey, variably pyritic calcareous siltstones, and rare debris flows consisting of angular, predominantly pebble sized clasts of medium to dark grey limey siltstone and fossiliferous limestone. Some clasts have been partially pyritize and there are some mm thick laminations of dull brown, brassy, fine-grained pyrite replaced siltstone within the mudstone host rock, as well as very fine grained disseminated pyrite throughout. The Debris flow events within the mudstone are matrix supported and range in thickness from a few mm to 10cm. They are randomly spaced througout the unit.	5SH	5BXLS	PRF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-67	465.6	488.6	23	Fossiliferous limestone and siltstone debris flow hosted in siliceous, black mudstone	Siliceous, black mudstone hosting abundant sub mm to boulder sized angular clasts of medium to dark grey limey siltstone and fossiliferous limestone clasts. Some dark-grey to black mudstone fragments are present within the flow. The fossils and clasts present in the limestone are bryozoans, crinoids, corals and bivalves; few clasts are replaced by Py. There is no indication of grading within the flow and all clasts are randomly dispersed. It is a sharp, irregular contact downhole with the calcareous siltstone unit. From 482.53m to 483.72m there is a large fossiliferous limestone boulder. Siltstone clasts do not seem to increase in abundace the closer you get to the contact suggesting these flow events are not locally derived. From 465.60 - 472.29m the clasts present within the debris flow are subtle in appearance, beir mudstone and dark grey speckled sandy siltstone, similar in color to that of the mudstone matrix. After 472.29m the debris flow is dominated by coarser light grey, calcareous bedded siltstone and fossiliferou limestone clasts. The lower contact with the well bedded medium to light grey calcareous siltstone is irregular.	5BXLS		PRF
A-10-67	488.6	553.83	65.23	Well bedded, calcareous siltstones to muddy siltstones	Medium to dark grey, thinly bedded calcareous siltstones. Directly underlying the debris flows above are the thinly bedded calcareous siltstones gradationally transitioning to more grey black muddy siltstones with discontinuous thinly bedded to thickly laminated light grey calcareous siltstone beds. There is trace amounts fine grained bright brassy yellow, euhedral pyrite disseminated throughout the interval. There are scattered, and locally concentrated Qtz, carb veining present. The <1cm wide veinlets are typically oriented at 45-50 deg to the CA, and both parallel and perpendicular to the bedding. There is no mineralisation of note within the veining.	6CSS		RRG
					END OF HOLE			

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	ALT	INTENSITY

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	PY %	SP %	GA %	BA %	CP %	PO %
A-10-67	17	89.53	72.53	Abunant 5 to 10 cm wide bands consisting of abundant grey blue nodular to boudinaged Ba beds, very minor, very fine grained, dull brown pyrite laminations interbedded with the host very hard siliceous shales. These mineralised bands are visibly folded but are predominantly oriented parallel to the cleavage at 40 to 50 deg to the CA.	3			20		
A-10-67	95.34	97.4	2.06	minor amounts of up to 5cm wide bands of grey to offwhite nodular Ba bands interbedded with very faint, minor, dull brown, very fine grained Py laminations	1			5		
A-10-67	97.4	127.5	30.1	Minor sub mm sized grey to offwhite nodular Ba bands,generally less than 5cm thick and very faint, very fine grained, dull brown pyrite laminations scattered throughout the interval.	1			Tr		
A-10-67	127.5	141.6	14.1	Massive beds of very fine grained, dull brown Py upto 15cm thick regularly interbedded with host siliceous shales/mudstones. The beds are internally laminated and are host to sub mm sized grey to white nodular Ba which appears to have been replaced by carbonate and bright brassy yellow pyrite. Veining throughout this interval is host to both Py and red brown Sp mineralisation.	10	Tr		Tr		
A-10-67	162.55	181.25	18.7	Regularly spaced every 1.5-2m <30cm sections of dull brown faint-moderate exhalative laminated py inter-bedded with dull white moderately calcareous nodular barite beds. Nodular barite's interior is typically replaced by coarse grained py. At 171.80 is 3cm wide disrupted? layer with angular fragments matrix is entirely replaced by vfg brassy pyrite. Two grey-dark grey limy 20cm siltstone beds at bottom of unit with <1% coarse grained py replacement.	2	Tr		Tr		
A-10-67	181.25	185.9	4.65	Grey to white, 1 - 5 cm wide bands of nodular to bedded Ba interbedded with very fine grained, brassy yellow to dull brown Py.	40			8		
A-10-67	441.05	444	2.95	The mudstone matrix of a debris flow has been 90% replaced by very fine grained, dull brown, brassy-yellow pyrite laminations. The Py laminations within the matrix are 1-3mm thick and are interbedded with mudstone laminations that are generally 1mm thick. There is a fault following this debris flow zone that also exhibits similar mineralization characteristics.	50	Tr				
A-10-67	447.44	450.3	2.86	The mudstone matrix of a debris flow has been 90% replaced by very fine grained, dull brown, brassy-yellow pyrite laminations. The Py laminations within the matrix are 1-3mm thick and are interbedded with mudstone laminations that are generally 1mm thick. The mineralization in this debris flow becomes less intense downhole, eventually reverting back to the usual mudstone matrix.	30	Tr				

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-67	89.08	99.1	10.02	A large Qtz, Carb vein zone with several 10cm wide veins and abundant cm size veinlets predominantly oriented at 40 to 70 deg to the CA. Vein contacts are generally sharp but locally display brecciation along wall rock contacts. The surrounding host rock is very hard and siliceous. There does not appear to be any sort of alteration halo. There is only minor Py present in the veining. This vein zone coresponds with a brittle fault zone and blocky to poker chip core.	15	
A-10-67	123.2	130.2	7	A vein zone with abundant Qtz, Carb veins and veinlets situated along the uphole contact of the massive pyrite zone. The veins are variably oriented, though the veinlets are generally oriented at 30 deg to the CA. The veins host Py and red brown Sp mineralisation. There is some well developed gouge in the zone and along the down hole side of the fault there is light blue grey the shales have been silicified.	10	
A-10-67	135.62	137.75	2.13	A small vein zone with a few scattered Qtz, Carb veinlets, variably oriented with no visible mineralisation. The vein zone is situated within the a small fault zone.	5	
A-10-67	196.44	197.36	0.92	Carb, Qtz fracture and veinlet zone with variably oriented, localised brecciation of the host rock. No visible mineralisation		
A-10-67	335.95	341	5.05	Carb, Qtz fracture and veinlet zone with variably oriented, localised brecciation of the host rock. No visible mineralisation within vein material. Two common vein orientations within zone are 140 deg to CA and 25 deg to CA, while other vein zones are completely random.	2	
A-10-67	343.06	343.27	0.21	Qtz, carb fracture and vein zone with localized brecciation of host rock. The larger 1-2cm veins trend ~130 to CA and the associated veinlets are randomly oriented. No visible mineralization. This vein zone borders a fault zone, therefore it's possibly a healed fault.	25	
A-10-67	394.18	401.15	6.97	Large 5-6m crackle breccia zone in the Gunsteel with abundant, randomly oriented, mm sized quartz/carb. veinlets throughout core. No visible mineralization within veinlets. Angular, pebble sized gunsteel fragments throughout veining zone, possibly healed fault?	1	
A-10-67	405.65	407.27	1.62	An additional crackle breccia zone in the Gunsteel with abundant, randomly oriented, mm sized quartz/carb. veinlets throughout core. No visible mineralization within veinlets. Angular, pebble sized gunsteel fragments throughout veining zone, possibly healed fault?		
A-10-67	431.39	432.37	0.98	5-10cm thick, white, Quartz-carb veining randomly oriented within debris flow unit. No visible mineralization.	50	
A-10-67	438.42	438.66	0.24	Qtz, carb vein zone within debris flow unit at variable orientation to core axis. Larger veins 1-3cm thick accompanied by abundant mm thick veinlets randomly oriented. No visible mineralizartion within vein zones.	40	
A-10-67	518.72	534.69	15.97	A vein zone with abundant Carbonate/ minor quartz veins and veinlets generally ranging from mm width to 3cm width, but there are rare occurences of wide veins (from 518.8m to 519.1). These veins are variably oriented, however, the veinlets are generally oriented along a secondary cleavage plane at 140 degrees to CA. Some of the medium-large sized carbonate veins display localized breccia of the host rock. There is no visible mineralization present within the veining.	1	

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-67	538.46	544.9	6.44	A vein zone with abundant Carbonate/ minor quartz veins and veinlets generally ranging from mm width to 3cm width. There is a larger vein from 538.59m to 538.77m. These veins are variably oriented, however, the veinlets are generally oriented along a secondary cleavage plane at 140 degrees to CA. Some of the medium-large sized carbonate veins display localized breccia of the host rock. There is no visible mineralization present within the veining.	1	
A-10-67	551.05	553.83	2.78	A vein zone with abundant Carbonate/ minor quartz veins and veinlets generally ranging from mm width to 3cm width. Some wider veins are found at 551.49m to 551.75m and 552.55m to 552.66m. These veins are variably oriented, however, the veinlets are generally oriented along a secondary cleavage plane at 140 degrees to CA. Some of the medium-large sized carbonate veins display localized breccia of the host rock. There is no visible mineralization present within the veining.	5	

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-67	11	11.01			CLV	45
A-10-67	12.9	12.91			CLV	45
A-10-67	14.1	14.11			CLV	40
A-10-67	14.23	16.7		Predominantly poker chip shale with two 10cm wide well developed gouge seems ground up core and ruble.	FLT	
A-10-67	17.2	17.21			CLV	55
A-10-67	17.5	15.51			CLV	55
A-10-67	17.52	17.53			BDG	55
A-10-67	18.4	18.41		Discontinuous Py lenses	BDG	60
A-10-67	18.41	18.42			CLV	60
A-10-67	19.5	19.51		Globular discontinuous py blebs	BDG	80
A-10-67	20	20.01			CLV	60
A-10-67	21	21.01		Pervasive Nodular barite beds	BDG	60
A-10-67	21.5	21.51			CLV	50
A-10-67	21.51	21.52		Pervasive Nodular barite beds with py lams	BDG	50
A-10-67	21.75	21.76		Pervasive Nodular barite beds	BDG	80
A-10-67	23	23.01			CLV	50
A-10-67	23.01	23.02		Discontinuous Py lenses	BDG	60
A-10-67	25.25	25.26			CLV	50
A-10-67	26	26.01		Nodular Barite bed	BDG	50
A-10-67	27	27.01		Nodular Barite bed	BDG	50
A-10-67	27.01	27.02			CLV	50
A-10-67	27.5	27.51		Minor mm sulphide beds	BDG	65
A-10-67	28.4	28.41		Nodular Barite bed with minor py blebs	BDG	50
A-10-67	29.27	29.28		Discontinuous sulphides beds	BDG	50
A-10-67	29.7	29.71		Nodular Barite bed	BDG	50
A-10-67	30.1	30.11		Nodular Barite bed	BDG	60
A-10-67	30.2	30.21		Nodular Barite bed	BDG	100
A-10-67	30.5	30.51		Nodular Barite bed	BDG	60
A-10-67	30.6	30.61			CLV	50
A-10-67	30.61	30.62		Nodular Barite bed with minor sulphides	BDG	60
A-10-67	32	32.01			CLV	50
A-10-67	32.3	32.3		Nodular Barite bed with minor sulphides	BDG	55
A-10-67	33.6	33.61		Nodular Barite bed with minor sulphides	BDG	50
A-10-67	33.61	33.62			CLV	45
A-10-67	35.1	35.11		Nodular Barite bed with minor sulphides	BDG	50
A-10-67	35.11	35.12			CLV	55
A-10-67	36.5	36.51		Nodular Barite bed with minor sulphides	BDG	55
A-10-67	36.51	36.52			CLV	45
A-10-67	39.5	39.51		Nodular Barite bed	BDG	40
A-10-67	39.8	39.81		Nodular Barite bed	BDG	30
A-10-67	40	40.01			CLV	45
A-10-67	40.01	40.02		Nodular Barite bed	BDG	45
A-10-67	41.3	41.31			CLV	45

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-67	41.31	41.32		Nodular Barite bed	BDG	
A-10-67	44.5	44.51			CLV	55
A-10-67	44.51	44.52		Nodular Barite bed and laminar py	BDG	
A-10-67	45	45.01		Nodular Barite bed	BDG	45
A-10-67	45.5	45.51			CLV	55
A-10-67	45.51	45.52		Nodular Barite bed	BDG	55
A-10-67	46.8	46.81		Nodular Barite bed	BDG	55
A-10-67	48.1	48.11		sulphide lenses	BDG	55
A-10-67	48.7	48.71		Discontinuous sulphides beds	BDG	55
A-10-67	48.71	48.2			CLV	55
A-10-67	49.9	49.91		Nodular Barite bed	BDG	50
A-10-67	49.91	49.92			CLV	50
A-10-67	51.5	51.51			CLV	45
A-10-67	51.51	51.52		Nodular Barite bed with minor discontinuous sulphides		45
A-10-67	52.9	52.91			CLV	40
A-10-67	53.7	53.71			CLV	60
A-10-67	53.71	53.72		Nodular Barite bed with minor sulphides	BDG	45
A-10-67	55.6	55.61			CLV	50
A-10-67	56.75	56.76			CLV	45
A-10-67	56.76	56.77		Nodular Barite bed with minor sulphides	BDG	45
A-10-67	57.5	57.51			CLV	60
A-10-67	57.65	57.66		Nodular Barite bed	BDG	50
A-10-67	59.3	59.31			CLV	60
A-10-67	61.75	61.76			CLV	50
A-10-67	61.8	61.81		Nodular Barite bed	BDG	50
A-10-67	63.5	63.51			CLV	50
A-10-67	64.6	64.61			CLV	60
A-10-67	65	65.01		Nodular Barite bed	BDG	50
A-10-67	67.2	67.21			CLV	50
A-10-67	68.4	68.41			CLV	50
A-10-67	68.41	68.41		Nodular Barite bed with minor sulphides	BDG	50
A-10-67	69.8	69.81		Nodular Barite bed	BDG	90
A-10-67	70.56	70.59		Nodular Barite bed	BDG	0
A-10-67	70.75	70.76		Nodular Barite bed	BDG	35
A-10-67	71	71.01			CLV	55
A-10-67	71.01	71.01		Nodular Barite bed	BDG	55
A-10-67	71.95	71.96			CLV	45
A-10-67	74.35	74.36			CLV	50
A-10-67	74.36	74.37		Nodular Barite bed with minor sulphides	BDG	50
A-10-67	77	77.01			CLV	50
A-10-67	77.2	77.21		Nodular Barite bed with minor sulphides	BDG	60
A-10-67	80	80.01		Nodular Barite bed with minor sulphides	BDG	50
A-10-67	80.84	80.85			CLV	50
	80.85	80.86		Nodular Barite bed with minor sulphides	BDG	60

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-67	83.05	83.06	0.01	Axial plane fold of nod. Ba	AXP	60
A-10-67	83.1	83.11	0.01	Nod. Ba Bed	BDG	40
A-10-67	84.38	84.39	0.01	Nod. Ba Bed	BDG	50
A-10-67	86.95	86.96	0.01	Cleavage	CLV	60
A-10-67	87.6	87.61	0.01	Nod. Ba Bed	BDG	45
A-10-67	89.05	89.06	0.01	Nod. Ba Bed	BDG	50
A-10-67	92.06	95	2.94	Fault zone with upper contact defined by a well developed gouge seam followed by generally blocky and poker chip core with minor rubble. Also coincides with large vein zone, possibly indicating reactivation of an older fault. Graphitic cleavasge planes/partings	FLT	
A-10-67	95.5	95.51	0.01	Nod. Ba Bed	BDG	90
A-10-67	97.94	97.95	0.01	Cleavage	CLV	65
A-10-67	100.23	100.24	0.01	Silty bed, with possible TOPS uphole	BDG	70
A-10-67	100.95	100.96	0.01	Cleavage	CLV	70
A-10-67	101.72	104	2.28	Fault zone with upper contact defined by a well developed gouge followed by block core, minor gouge, graphitic partings/cleavage planes. Minor Qtz, Carb veinelts present in fault. Lower contact has 10cm wide well developed gouge zone.	FLT	
A-10-67	104.68	104.69	0.01	Cleavage	CLV	65
A-10-67	107.51	107.52	0.01	Silty bed	BDG	60
A-10-67	107.67	107.68	0.01	Py Lamination	BDG	63
A-10-67	108.75	108.76	0.01	Silt Bed displaying graded bedded TOPS uphole	BDG	75
A-10-67	109.11	109.12	0.01	Chert bed	BDG	70
A-10-67	109.3	109.31	0.01	Cleavage	CLV	70
A-10-67	110.07	110.08	0.01	Cleavage	CLV	80
A-10-67	113.29	113.3	0.01	Py Lamination	BDG	60
A-10-67	113.63	113.64	0.01	Silty Bed	BDG	100
A-10-67	113.77	113.78	0.01	Py Lamination	BDG	130
A-10-67	114.28	114.29	0.01	Silty Bed	BDG	130
A-10-67	114.77	114.78	0.01	Py Lamination	BDG	90
A-10-67	115.35	115.36	0.01	Py Lamination	BDG	90
A-10-67	115.93	115.94	0.01	Py Lamination	BDG	90
A-10-67	115.95	115.96	0.01	Cleavage	CLV	90
A-10-67	117.43	117.44	0.01	Py Layer	BDG	60
A-10-67	118.17	118.18	0.01	Silty bed	BDG	50
A-10-67	118.3	118.31	0.01	Cleavage (fracture?)	CLV	40
A-10-67	118.7	118.71	0.01	Py Lamination	BDG	50
A-10-67	119.2	119.21	0.01	Silty bed	BDG	60
A-10-67	119.52	119.53	0.01	Py Lamination	BDG	80
A-10-67	119.78	119.79	0.01	Py Lamination	BDG	100
A-10-67	120.1	120.11	0.01	Py Lamination	BDG	125
A-10-67	120.2	120.21	0.01	Py Lamination	BDG	135
A-10-67	120.45	120.46	0.01	Py Lamination	BDG	135

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-67	120.78	120.79	0.01	Py Lamination	BDG	60
A-10-67	121.6	121.61	0.01	Py Lamination	BDG	100
A-10-67	122.1	122.11	0.01	Cleavage (S2)	CLV	8
A-10-67	123.86	123.87	0.01	Py Lamination	BDG	50
A-10-67	125.37	125.38	0.01	Cleavage	CLV	30
A-10-67	128.12	128.29	0.17	Fault, well developed fault gouge. Yes i have that shit Scott!	FLT	90
A-10-67	128.9	128.91	0.01	Cleavage	CLV	40
A-10-67	130.2	130.21	0.01	Cleavage	BDG	30
A-10-67	132.08	132.09	0.01	Py bed	BDG	75
A-10-67	132.8	132.81	0.01	Py bed	BDG	75
A-10-67	132.81	132.82	0.01	Cleavage	CLV	75
A-10-67	134.57	134.58	0.01	Py bed	BDG	70
A-10-67	135.07	135.08	0.01	Py bed	BDG	75
A-10-67	135.62	138.47	2.85	Fault zone: With several well developed fault gouge seams along fracture planes and associated with minor Qtz, carb veining interspaced with competant and blocky core.	FLT	50
A-10-67	138.75	138.76	0.01	Py Bed	BDG	70
A-10-67	141.32	141.45	0.13	Fault Zone with well developed gouge and a Qtz, carb vein.	FLT	40
A-10-67	153.33	153.34	0.01		CLV	27
A-10-67	154.75	155	0.25	Fault zone well developed fault gouge and ruble	FLT	
A-10-67	160	160.25	0.25	Fault zone minor fault gouge along fractures and ruble	FLT	
A-10-67	162.79	163	0.21	Fault zone minor fault gouge with ruble	FLT	50
A-10-67	164	164.01	0.01	Nod. Ba Bed	BDG	50
A-10-67	166.62	166.63	0.01	Nod. Ba Bed	BDG	60
A-10-67	167.5	168	0.5	Minor fault gouge with blocky and rubly core	FLT	
A-10-67	168	168.01	0.01	S2	CLV	175
A-10-67	169.44	169.45	0.01	Py Lamination	BDG	60
A-10-67	170.75	170.76	0.01		CLV	60
A-10-67	172	172.01	0.01	Py Lamination	BDG	80
A-10-67	174.5	174.51	0.01	S2	CLV	155
A-10-67	175.39	175.4	0.01	Silty bed with possible TOPS downhole	BDG	80
A-10-67	176.5	176.55	0.05	Fault zone well developed gouge orientated 145 to CA	FLT	145
A-10-67	176.85	176.86	0.01	Nod. Ba Bed	BDG	80
A-10-67	179	179.01	0.01	Py Lamination	BDG	70
A-10-67	181.95	181.96	0.01	Barite bed	BDG	75
A-10-67	182.28	182.29	0.01	Py Lamination	BDG	90
A-10-67	183.61	183.62	0.01	Py Lamination	BDG	70
A-10-67	185.59	185.6	0.01	Nod. Ba Bed	BDG	65
A-10-67	186.4	186.41	0.01	Pyritic silt bed	BDG	70
A-10-67	187.78	187.79	0.01	Pyritic silt bed	BDG	75
A-10-67	189.69	189.7	0.01	Pyritic silt bed	BDG	75
A-10-67	189.85	189.86	0.01	Cleavage	CLV	80
A-10-67	192.27	192.28	0.01	Pyritic silt bed	BDG	75
A-10-67	193.48	193.49	0.01	Carb veinlet	BDG	80

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-67	194	194.01	0.01	Cleavage	CLV	80
A-10-67	194.93	194.94	0.01	Pyritic silt bed	BDG	80
A-10-67	195.77	195.78	0.01	Pyritic silt bed	BDG	80
A-10-67	196.11	196.12	0.01	Cleavage	CLV	80
A-10-67	196.37	196.38	0.01	Silty bed	BDG	90
A-10-67	196.62	196.63	0.01	Py Lamination	BDG	100
A-10-67	198.08	198.09	0.01	Silt Bed	BDG	120
A-10-67	198.31	198.32	0.01	Silt Bed	BDG	100
A-10-67	199.25	199.26	0.01	Silt Bed	BDG	110
A-10-67	199.95	199.96	0.01	Pyritic silt bed	BDG	110
A-10-67	201.1	201.11	0.01	Silt Bed	BDG	130
A-10-67	202.83	202.84	0.01	Silt Bed	BDG	135
A-10-67	203.63	203.64	0.01	Silt Bed	BDG	135
A-10-67	205.52	205.53	0.01	Py Layer	BDG	135
A-10-67	206.17	206.18	0.01	Cleavage	CLV	40
A-10-67	206.77	206.78	0.01	Silt Bed	BDG	120
A-10-67	207.5	207.51	0.01	Silt Bed	BDG	110
A-10-67	208.29	208.3	0.01	Py Layer	BDG	90
A-10-67	213.6	213.61	0.01	Silty Bed	BDG	110
A-10-67	214.48	214.49	0.01	Silt Bed	BDG	95
A-10-67	214.73	214.74	0.01	Silt Bed	BDG	100
A-10-67	214.93	214.94	0.01	Cleavage	CLV	60
A-10-67	216.4	216.41	0.01	Debris flow bed	BDG	120
A-10-67	218.19	218.2	0.01	Silt Bed	BDG	120
A-10-67	220.78	220.79	0.01	Silt Bed	BDG	120
A-10-67	221.31	221.32	0.01	Silt Bed	BDG	130
A-10-67	222.9	222.92	0.02	Fault with moderately developed fault gouge	FLT	45
A-10-67	223.14	223.15	0.01	Silt Bed	BDG	120
A-10-67	224	224.01	0.01	Cleavage	CLV	130
A-10-67	224.03	224.04	0.01	Silt Bed with TOPS uphole	BDG	130
A-10-67	224.78	224.79	0.01	Silt Bed	BDG	135
A-10-67	225.75	225.76	0.01	Cleavage	CLV	50
A-10-67	226.57	226.58	0.01	Pyritic silt bed	BDG	130
A-10-67	227.07	227.08	0.01	Pyritic silt bed	BDG	125
A-10-67	227.93	227.94	0.01	cleavage	CLV	50
A-10-67	228.02	228.03	0.01	Pyritic silt bed	BDG	125
A-10-67	228.63	228.64	0.01	Pyritic silt bed	BDG	130
A-10-67	230.18	230.19	0.01	good stuff	BDG	140
A-10-67	230.79	230.8	0.01	Silt bed	BDG	130
A-10-67	235.42	235.43	0.01	Silt bed	BDG	135
A-10-67	235.7	235.71	0.01	Cleavage	CLV	30
A-10-67	235.9	235.91	0.01	Silt bed	BDG	150
A-10-67	236.48	236.49	0.01	Silt bed	BDG	165
A-10-67	237.1	237.11	0.01	Silt bed	BDG	155

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-67	238.41	241.45	3.04	Fault Zone: Weakly developed fault gouge along fracture planes along with rubble and blocky core	FLT	
A-10-67	243.05	243.06	0.01	Py Lamination	BDG	145
A-10-67	245.9	245.91	0.01	Py Lamination	BDG	30
A-10-67	246.15	246.16	0.01	Py Lamination	BDG	
A-10-67	247.08	247.09	0.01	Py Lamination	BDG	155
A-10-67	249.58	249.59	0.01	Silt Bed	BDG	10
A-10-67	250.9	250.91	0.01	Silt Bed	BDG	10
A-10-67	253.75	253.76	0.01	Silt Bed	BDG	30
A-10-67	256.9	256.91	0.01	Silt Bed	BDG	20
A-10-67	259.9	259.91	0.01	Silt Bed	BDG	35
A-10-67	263.08	263.09	0.01	Silt Bed	BDG	50
A-10-67	266.04	266.05	0.01	Silt Bed	BDG	35
A-10-67	268.59	268.6	0.01	Silt Bed	BDG	50
A-10-67	270.37	270.38	0.01	Silt Bed	BDG	55
A-10-67	271.3	271.31	0.01	Silt Bed with debris flow bed	BDG	45
A-10-67	271.83	271.84	0.01	Silt Bed	BDG	70
A-10-67	272.46	272.47	0.01	Silt Bed	BDG	50
A-10-67	273.27	273.28	0.01	Silt Bed/Debris flow	BDG	30
A-10-67	273.7	273.71	0.01	Silt Bed	BDG	75
A-10-67	275.79	275.8	0.01	Light grey bed	BDG	145
A-10-67	277.75	277.76	0.01	Pyritic silt bed	BDG	135
A-10-67	278.5	278.51	0.01	Py Layer	BDG	125
A-10-67	278.61	278.62	0.01	Cleavage	CLV	120
A-10-67	283.25	283.26	0.01	Cleavage	CLV	5
A-10-67	285.36	285.37	0.01	Cleavage	CLV	10
A-10-67	285.97	285.98	0.01	Cleavage	CLV	170
A-10-67	290.43	290.44	0.01	Silt Bed	BDG	70
A-10-67	293.15	293.16	0.01	Debris flow bed?	BDG	100
A-10-67	293.9	293.91	0.01	Cleavage	CLV	35
A-10-67	295.36	295.37	0.01	Cleavage	CLV	40
A-10-67	295.58	295.59	0.01	Cleavage	CLV	40
A-10-67	296.7	296.71	0.01	Cleavage	CLV	60
A-10-67	298.42	298.43	0.01	Cleavage	CLV	50
A-10-67	299.91	301.46	1.55	Fault Zone: With well developed fault gouge rubble and blocky core	FLT	
A-10-67	304	304.43	0.43	Fault Zone with well developed gouge, crushe core, rubble and blocky core.	FLT	
A-10-67	306.8	306.9	0.1	Fault Zone with minor gouge along a fracture/cleavage plane and minor rubble	FLT	10
A-10-67	307.5	307.51	0.01	Cleavage	FLT	20
A-10-67	312.68	312.69	0.01	Cleavage	CLV	20
A-10-67	314.86	314.87	0.01	Cleavage	CLV	20
A-10-67	316.63	316.64	0.01	Cleavage	CLV	35

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-67	317.32	317.33	0.01	Py Lamination	BDG	40
A-10-67	317.35	317.36	0.01	Py Lamination	BDG	20
A-10-67	317.45	317.46	0.01	Py Lamination	BDG	120
A-10-67	317.68	317.69	0.01	Py Lamination	BDG	35
A-10-67	317.79	317.8	0.01	Py Lamination	BDG	80
A-10-67	318.18	318.19	0.01	Py Lamination	BDG	45
A-10-67	318.98	318.99	0.01	Sandy silt bed	BDG	70
A-10-67	322.47	322.48	0.01	Cleavage	CLV	50
A-10-67	323.59	323.6	0.01	Cleavage	CLV	45
A-10-67	324.49	324.5	0.01	Cleavage	CLV	20
A-10-67	326.09	326.1	0.01	Cleavage	CLV	15
A-10-67	328.24	328.25	0.01	Cleavage	CLV	20
A-10-67	329	329.01	0.01	Cleavage	CLV	25
A-10-67	329.98	329.99	0.01	Boudinaged qtz vein, Py layer	BDG	35
A-10-67	330.07	330.08	0.01	Cleavage	CLV	30
A-10-67	332.6	332.61	0.01	Cleavage	CLV	45
A-10-67	335	335.01	0.01	Cleavage	CLV	35
A-10-67	336.1	336.11	0.01	Cleavage	CLV	25
A-10-67	337.89	337.9	0.01	Cleavage	CLV	30
A-10-67	341	341.01	0.01	Cleavage	CLV	30
A-10-67	342.02	342.03	0.01	Cleavage	CLV	35
A-10-67	342.14	342.48	0.34	Fault zone with immature, broken rubble and blocky core	FLT	
A-10-67	343.28	344.62	1.34	Fault zone with minor gouge and rubble with blocky, broken core	FLT	
A-10-67	344.63	344.64	0.01	Cleavage	CLV	25
A-10-67	346.33	346.34	0.01	Extremely thin, faint, laminated Py, (possibly boudinaged?) having the appearance of a dashed line.	BDG	160
A-10-67	346.76	346.77	0.01	Extremely thin, faint, laminated Py, (possibly boudinaged?) having the appearance of a dashed line.	BDG	135
A-10-67	346.85	346.86	0.01	Extremely thin, faint, laminated Py, (possibly boudinaged?) having the appearance of a dashed line.	BDG	90
A-10-67	349.79	349.8	0.01	Extremely thin, faint, laminated Py, (possibly boudinaged?) having the appearance of a dashed line.	BDG	110
A-10-67	350	350.01	0.01	Cleavage	CLV	35
A-10-67	354.79	354.8	0.01	Pyritic silt bed	BDG	80
A-10-67	354.19	354.2	0.01	Cleavage	CLV	35
A-10-67	357	357.01	0.01	Extremely thin, faint, laminated Py, (possibly boudinaged?) having the appearance of a dashed line.	BDG	150
A-10-67	358.11	358.12	0.01	Extremely thin, faint, laminated Py, (possibly boudinaged?) having the appearance of a dashed line.	BDG	130
A-10-67	358.51	358.52	0.01	Extremely thin, faint, laminated Py, (possibly boudinaged?) having the appearance of a dashed line.	BDG	135
A-10-67	360.11	360.12	0.01	Very thin Py laminations	BDG	115
A-10-67	360.54	360.55	0.01	Cleavage	CLV	45
A-10-67	364.7	364.71	0.01	Very thin Py laminations	BDG	120

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-67	364.92	364.93	0.01	Cleavage	CLV	25
A-10-67	365.48	365.49	0.01	Very thin Py laminations	BDG	120
A-10-67	365.74	365.75	0.01	Cleavage	CLV	30
A-10-67	367.77	367.78	0.01	Cleavage	CLV	30
A-10-67	369.68	369.69	0.01	Cleavage	CLV	45
A-10-67	369.76	369.77	0.01	Pyritic silt bed	BDG	140
A-10-67	370.92	370.93	0.01	Very thin Py laminations	BDG	90
A-10-67	371.86	371.87	0.01	Cleavage	CLV	25
A-10-67	372.23	372.24	0.01	Pyritic silt bed	BDG	90
A-10-67	373.51	373.52	0.01	Very thin Py laminations	BDG	90
A-10-67	374.8	374.81	0.01	Pyritic silt bed	BDG	90
A-10-67	375.08	375.09	0.01	Cleavage	CLV	25
A-10-67	375.97	375.98	0.01	Cleavage	CLV	30
A-10-67	376.61	376.62	0.01	Pyritic silt bed	BDG	90
A-10-67	378.23	378.24	0.01	Very thin Py laminations	BDG	80
A-10-67	378.83	378.84	0.01	Silt bed	BDG	120
A-10-67	379.7	379.71	0.01	Very thin Py laminations	BDG	150
A-10-67	380.95	380.96	0.01	Very thin Py laminations	BDG	155
A-10-67	382.3	382.31	0.01	Cleavage	CLV	25
A-10-67	383.91	383.92	0.01	Cleavage	CLV	35
A-10-67	385.08	385.09	0.01	Cleavage	CLV	30
A-10-67	386.36	386.37	0.01	Very thin Py laminations	BDG	145
A-10-67	389.93	390.31	0.38	Fault zone with minor gouge and rubble with blocky, broken core	FLT	
A-10-67	391.46	391.47	0.01	Cleavage	CLV	15
A-10-67	394.17	394.18	0.01	Cleavage	CLV	25
A-10-67	398.79	398.8	0.01	Cleavage	CLV	15
A-10-67	400.75	401.15	0.4	Fault with consolidated gouge and minor blocky rubble. Some rubble chunks have graphitic sheens displaying slickensides	FLT	
A-10-67	406.99	407	0.01	Pyritic silt bed	BDG	140
A-10-67	410.16	410.17	0.01	Cleavage	CLV	25
A-10-67	411.73	411.74	0.01	Pyritic silt bed	BDG	40
A-10-67	414.8	415	0.2	Fault with graphitic fracture planes, abundant gouge and minor rubble along contact with mudstone and debris flow	FLT	
A-10-67	415.19	415.58	0.39	Fault with abundant gouge and rubble with graphitic fracture planes; some showing slickensides.	FLT	
A-10-67	415.88	416.25	0.37	Fault zone with immature, broken rubble and blocky core with graphitic fracture planes	FLT	
A-10-67	416.25	416.26	0.01	Cleavage	CLV	25
A-10-67	417	417.46	0.46	Fault zone with immature, broken rubble and blocky core with graphitic fracture planes	FLT	
A-10-67	419.09	419.1	0.01	Cleavage	CLV	35
A-10-67	420.21	420.22	0.01	Cleavage	CLV	35
A-10-67	422.2	422.21	0.01	Cleavage	CLV	35

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-67	422.63	426.98	4.35	Large fault zone with abundant rubble and broken core as well as sections of gouge and minor quartz, carb veining throughout rubble chunks. This section is fubarred!	FLT	
A-10-67	426.98	426.99	0.01	Cleavage	CLV	35
A-10-67	428.29	428.43	0.14	Fault zone with rubbly core	FLT	
A-10-67	429.89	429.9	0.01	Cleavage	CLV	20
A-10-67	431.91	431.92	0.01	Cleavage	CLV	20
A-10-67	437.26	437.27	0.01	Cleavage	CLV	20
A-10-67	437.52	437.53	0.01	Cleavage	CLV	40
A-10-67	437.86	437.96	0.1	Minor fault with blocky and rubly core	FLT	
A-10-67	441.26	441.78	0.52	Fault with well developed gouge and some rubble chunks	FLT	
A-10-67	441.59	441.6	0.01	Cleavage	CLV	60
A-10-67	441.6	441.61	0.01	Pyrite lamination within debris flow matrix. Only a good bedding measurement for local bedding within flow; does not exhibit general trend of debris flow.	BDG	60
A-10-67	441.79	441.8	0.01	Pyrite lamination within debris flow matrix. Only a good bedding measurement for local bedding within flow; does not exhibit general trend of debris flow.	BDG	20
A-10-67	442.47	442.48	0.01	Pyrite lamination within debris flow matrix. Only a good bedding measurement for local bedding within flow; does not exhibit general trend of debris flow.	BDG	30
A-10-67	442.51	442.52	0.01	Cleavage	CLV	50
A-10-67	442.8	442.81	0.01	Pyrite lamination within debris flow matrix. Only a good bedding measurement for local bedding within flow; does not exhibit general trend of debris flow.	BDG	30
A-10-67	442.81	442.82	0.01	Cleavage	CLV	30
A-10-67	444	448.15	4.15	Large fault zone with abundant graphitic rubble and broken core as well as sections of gouge, and consolidated gouge. Also, there is minor quartz, carb veining throughout rubble chunks.	FLT	
A-10-67	450.2	450.21	0.01	Cleavage	CLV	35
A-10-67	453.24	453.25	0.01	Cleavage	CLV	40
A-10-67	453.26	453.51	0.25	Minor fault with abundant conswolidated gouge and some rubbly core	FLT	
A-10-67	453.88	454.78	0.9	Fault with abundant rubble and minor sections of gouge	FLT	
A-10-67	457.75	457.76	0.01	Pyritic silt bed	BDG	60
A-10-67	458.15	458.16	0.01	Cleavage	CLV	60
A-10-67	459.34	459.35	0.01	Cleavage	CLV	60
A-10-67	460.48	460.49	0.01	Cleavage	CLV	30
A-10-67	460.64	460.65	0.01	Pyritic silt bed	BDG	60
A-10-67	461.93	461.94	0.01	Pyritic silt bed	BDG	80
A-10-67	462.01	462.02	0.01	Cleavage	CLV	35
A-10-67	464.5	464.51	0.01	Silt bed	BDG	50
A-10-67	464.51	464.52	0.01	Cleavage	CLV	50
A-10-67	465.97	465.98	0.01	Silt bed	BDG	60

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-67	472.15	472.16	0.01	Cleavage	CLV	50
A-10-67	475.42	475.43	0.01	Cleavage	CLV	40
A-10-67	484.07	484.08	0.01	Cleavage	CLV	20
A-10-67	491.34	491.35	0.01	Cleavage	CLV	50
A-10-67	491.58	491.59	0.01	Calcareous siltstone bedding	BDG	130
A-10-67	492.95	492.96	0.01	Cleavage	CLV	50
A-10-67	493.15	493.16	0.01	Cleavage	CLV	15
A-10-67	495.15	495.16	0.01	Silt Bed	BDG	40
A-10-67	499.12	499.13	0.01	Silt bed	BDG	50
A-10-67	500.68	500.69	0.01	Cleavage	CLV	20
A-10-67	502.44	502.45	0.01	silt bed	BDG	45
A-10-67	502.62	502.63	0.01	Cleavage	CLV	40
A-10-67	505.3	505.31	0.01	silt bed	BDG	30
A-10-67	504.79	504.8	0.01	Cleavage	CLV	40
A-10-67	505.18	505.19	0.01	Silt bed	BDG	35
A-10-67	508.27	508.28	0.01	Silt bed	BDG	40
A-10-67	508.8	508.81	0.01	cleavage	CLV	45
A-10-67	509.95	509.96	0.01	Silt bed	BDG	45
A-10-67	511.07	511.08	0.01	Silt bed	BDG	50
A-10-67	512.55	512.56	0.01	Silt bed	BDG	65
A-10-67	514.83	514.84	0.01	Silt bed	BDG	50
A-10-67	517.86	517.87	0.01	Silt bed	BDG	40
A-10-67	519.86	519.87	0.01	Silt bed	BDG	85
A-10-67	521.25	521.26	0.01	Silt bed	BDG	60
A-10-67	522.5	522.51	0.01	Silt bed	BDG	40
A-10-67	522.95	522.96	0.01	Silt bed	BDG	70
A-10-67	524.27	524.28	0.01	Silt bed	BDG	120
A-10-67	525.22	525.23	0.01	Silt bed	BDG	110
A-10-67	526.57	526.58	0.01	Silt bed	BDG	45
A-10-67	529.34	529.35	0.01	Silt bed	BDG	50
A-10-67	529.44	529.45	0.01	Cleavage	CLV	50
A-10-67	530.95	530.96	0.01	Silt bed	BDG	35
A-10-67	532.53	532.54	0.01	Cleavage	CLV	20
A-10-67	535.48	535.49	0.01	Cleavage	CLV	25
A-10-67	536.67	536.68	0.01	Silt bed	BDG	55
A-10-67	540.28	540.29	0.01	Cleavage	CLV	25
A-10-67	541.05	541.06	0.01	Silt bed	BDG	55
A-10-67	543.31	543.32	0.01	Silt bed	BDG	50
A-10-67	544.56	544.57	0.01	Cleavage	CLV	60
A-10-67	547.44	547.45	0.01	Cleavage	CLV	35
A-10-67	548.08	548.09	0.01	Silt bed	BDG	50

									7AX	7AX	7AX	7AX	7AX	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	WGHT	7AR.1
									Mo	Cu	Pb	Zn	Ag	Ba	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Wgt	Pb
HOLE ID	FROM	TO	LENGTH	SAMPLE #	% SULPHIDES	% SHALE	STANDARDS	CERTIFICATE #	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	NONE	KG	%
A-10-67	113	114	1	639801	Tr	99		VAN10003593	27.5	88.4	296	4254	4.6	1.2956	92.4	6.6	46	1.71	83	10.2	4.4	83	44.8	63.7	<0.5	83	0.45	0.060	15.8	6.5	0.03	3795	0.004	0.55	<0.01	0.20	<0.5	0.38	1.4	5.0	2.01	<5	60	2.598323662	4.24	
A-10-67				639802			Coarse Duplicate of 639801	VAN10003593	30.9	81.6	244	4764	4.0	1.1529	78.6	6.3	136	1.47	68	10.2	4.0	324	54.4	56.0	<0.5	97	1.94	0.048	15.4	6.8	0.05	4466	0.005	0.52	<0.01	0.21	<0.5	0.42	1.7	4.0	1.79	<5	50	2.590025907	3.85	
A-10-67	114	115	1	639803	Tr	99		VAN10003593	30.1	80.0	237	4792	3.6	1.1580	79.4	6.6	127	1.42	64	9.6	4.1	288	51.4	52.9	<0.5	77	1.80	0.046	13.9	7.0	0.04	4236	0.003	0.42	<0.01	0.17	<0.5	0.30	1.6	3.8	1.77	<5	47	2.575079872		
A-10-67	115	116	1	639804	Tr	99		VAN10003593	29.7	76.1	262	3829	3.3	1.3175	87.2	7.1	95	1.58	69	9.0	4.4	263	41.7	60.6	<0.5	92	1.33	0.053	15.3	8.9	0.04	4563	0.008	0.51	<0.01	0.21	<0.5	0.32	1.2	3.8	1.83	<5	49	2.584407216	3.82	
A-10-67	116	117	1	639805	Tr	99		VAN10003593	32.0	72.4	226	3238	2.7	1.3751	90.9	7.4	53	1.55	67	10.3	4.2	99	28.9	56.0	<0.5	86	0.57	0.059	16.9	8.0	0.04	5531	0.004	0.53	<0.01	0.21	<0.5	0.26	1.9	4.5	1.78	<5	35	2.586830213	4.08	
A-10-67	117	118	1	639806	Tr	99		VAN10003593	24.2	55.9	173	3366	1.8	1.1365	66.6	6.1	371	1.40	52	8.0	3.9	625	26.8	37.9	<0.5	95	7.12	0.075	12.8	7.0	0.08	4778	0.004	0.46	<0.01	0.19	<0.5	0.27	2.0	2.1	1.68	<5	26	2.584333544	4.10	
A-10-67	118	119	1	639807	Tr	99		VAN10003593	28.4	63.0	222	2832	2.2	1.2471	78.8	7.0	155	1.42	68	9.2	4.2	458	21.5	47.2	<0.5	81	6.22	0.045	14.4	5.5	0.05	4898	0.003	0.49	<0.01	0.21	<0.5	0.21	1.3	3.4	1.60	<5	30	2.579896907	3.79	
A-10-67	119	120	1	639808	Tr	99		VAN10003593	26.4	62.0	238	3264	2.0	0.9258	73.3	7.3	59	1.52	57	8.4	4.7	109	22.9	45.3	<0.5	85	0.65	0.064	16.0	7.3	0.05	3133	0.005	0.50	<0.01	0.24	<0.5	0.24	2.0	3.5	1.80	<5	28	2.576898933	4.01	
A-10-67	120	121	1	639809	1	99		VAN10003593	30.5	61.9	213	933	1.7	0.8735	94.0	7.2	70	1.88	71	9.4	4.3	100	7.1	55.4	<0.5	74	0.70	0.043	13.9	6.4	0.03	2523	0.004	0.40	<0.01	0.20	<0.5	0.19	1.5	5.6	2.17	<5	16	2.522941546	4.25	
A-10-67				639810			Blank BL108	VAN10003593	1.0	16.2	4	30	<0.5	0.0992	1.8	2.4	557	1.50	<5	1.5	5.9	13	<0.5	<0.5	<0.5	15	0.16	0.019	8.3	13.7	0.22	154	0.084	0.75	0.16	0.34	<0.5	<0.05	4.5	<0.5	<0.05	<5	<2	I.S.	0.02	
A-10-67	121	122	1	639811	Tr	99		VAN10003593	34.3	52.0	163	1936	1.0	0.9414	83.6	7.1	93	1.51	53	10.1	4.7	183	14.3	45.4	<0.5	78	1.34	0.051	16.0	6.2	0.04	2497	0.004	0.45	<0.01	0.22	<0.5	0.20	1.7	3.7	1.78	<5	10	2.611581002	4.16	
A-10-67	122	123	1	639812	Tr	99		VAN10003593	30.7	49.1	164	970	0.8	0.8884	81.0	7.9	62	1.49	49	9.0	4.8	97	5.5	40.7	<0.5	63	0.65	0.040	16.0	5.8	0.03	2655	0.004	0.40	<0.01	0.21	<0.5	0.13	1.4	4.2	1.69	<5	8	2.534927627	4.16	
A-10-67	123	124	1	639813	1	99		VAN10003593	29.3	48.5	149	1240	0.9	0.8157	84.4	8.8	73	1.93	49	8.1	4.1	137	6.7	35.4	<0.5	52	0.69	0.049	15.0	7.1	0.04	1818	0.004	0.42	<0.01	0.22	<0.5	0.13	1.5	3.6	2.21	<5	6	2.603515625	4.24	
A-10-67	124	125	1	639814	Tr	99		VAN10003593	41.0	42.1	55	1139	<0.5	0.7167	69.2	7.0	72	1.28	25	10.9	3.5	131	10.6	16.4	<0.5	70	0.60	0.039	13.3	7.6	0.03	2076	0.004	0.38	<0.01	0.19	<0.5	0.08	1.7	0.8	1.41	<5	10	2.569685292	3.77	
A-10-67	125	125.95	0.95	639815	Tr	99		VAN10003593	43.7	45.8	57	1125	0.6	0.7275	78.3	7.7	57	1.31	26	12.2	3.6	89	12.3	18.2	<0.5	79	0.42	0.042	15.5	6.2	0.04	1912	0.004	0.42	<0.01	0.20	<0.5	0.15	1.6	0.9	1.46	<5	11	2.434584755	3.98	
A-10-67	125.95	127	1.05	639816	Tr	99		VAN10003593	44.1	42.0	54	649	0.5	0.6819	75.7	8.1	60	1.42	24	11.8	3.7	92	6.9	16.6	<0.5	64	0.38	0.041	14.5	7.9	0.03	1508	0.003	0.33	<0.01	0.16	<0.5	0.09	1.4	1.0	1.55	<5	9	2.602988954	4.28	
A-10-67	127	128	1	639817	Tr	99		VAN10003593	41.5	39.8	64	519	0.5	0.7225	75.5	7.7	144	1.57	24	11.3	3.3	260	5.8	14.0	<0.5	60	1.23	0.033	13.0	9.1	0.03	2145	0.003	0.34	<0.01	0.15	<0.5	0.08	1.3	1.0	1.64	<5	7	2.58	3.75	
A-10-67	128	129	1	639818	Tr	99		VAN10003593	25.2	32.1	24	504	1.1	0.8450	52.1	5.2	283	2.04	19	8.3	2.3	349	4.7	9.7	<0.5	59	2.62	0.051	10.0	13.1	0.42	2704	0.002	0.28	<0.01	0.14	<0.5	0.08	1.5	0.6	1.88	<5	8	2.614379085	4.00	
A-10-67	129	129.87	0.87	639819	Tr	99		VAN10003593	28.5	70.7	259	2212	5.8	1.1998	96.2	7.7	224	6.70	60	5.4	4.7	250	19.2	36.6	<0.5	66	1.73	0.087	13.8	10.4	0.09	582	0.004	0.45	<0.01	0.23	<0.5	0.41	1.8	8.1	7.68	<5	18	2.755693582	3.52	
A-10-67				639820			STD PB109	VAN10003593	1.1	4967.1	14500	42357	29.4	0.1033	12.0	12.0	5605	4.75	<5	<0.5	0.6	96	299.8	1.3	2.4	53	4.30	0.054	3.6	28.9	1.32	166	0.121	1.54	<0.01	1.29	<0.5	0.09	4.3	<0.5	5.04	<5	<2	I.S.	0.02	
A-10-67	129.87	131	1.13	639821	15	85		VAN10003593	11.0	29.7	22	1758	0.6	0.9339	47.7	8.3	85	1.42	13	3.5	6.8	144	13.7	6.5	<0.5	48	0.91	0.075	24.1	7.9	0.11	1690	0.005	0.53	<0.01	0.34	<0.5	0.09	2.4	1.0	1.55	<5	8	2.638101516	4.24	
A-10-67	131	132	1	639822	Tr	99		VAN10003593	12.8	35.1	15	2104	0.7	0.8938	50.5	7.9	95	1.46	16	3.9	6.6	122	15.2	7.3	<0.5	50	0.88	0.082	23.1	7.2	0.12	1619	0.005	0.52	<0.01	0.33	<0.5	0.13	2.5	1.1	1.60	<5	10	2.642668428	3.99	
A-10-67	132	132.9	0.9	639823	30	70		VAN10003593	25.9	45.6	276	2885	3.0	1.0690	87.2	6.3	342	8.92	65	3.7	4.2	175	27.6	34.5	<0.5	58	1.61	0.039	11.8	6.7	0.34	417	0.004	0.46	<0.01	0.24	<0.5	0.80	2.1	12.1	10.25	<5	20	2.871592539	3.77	
A-10-67	132.9	133.55	0.65	639824	40	60		VAN10003593	34.4	69.7	264	4043	3.6	0.8258	98.4	6.2	232	10.05	68	5.0	3.8	98	33.6	46.9	<0.5	69	0.70	0.023	12.1	5.0	0.06	414	0.003	0.45	<0.01	0.24	<0.5	0.82	1.8	17.4	11.98	<5	30	2.864710093	2.75	
A-10-67	133.55	134.45	0.9	639825	Tr	99		VAN10003593	11.2	19.8	9	1837	<0.5	0.9173	47.6	7.3	56	1.25	11	3.4	5.0	78	12.8	6.7	<0.5	46	0.36	0.035	20.5	6.8	0.05	1622	0.003	0.50	<0.01	0.29	<0.5	0.11	2.2	1.1	1.46	<5	12	2.650562541	3.80	
A-10-67	134.45	135.5	1.05	639826	25	75		VAN10003593	29.7	62.4	259	4261	3.8	1.0321	80.2	7.2	185	7.77	56	5.2	3.9	86	37.1	38.4	<0.5	65	0.56	0.030	12.9	5.8	0.07	488	0.004	0.45	<0.01	0.26	<0.5	0.62	1.9	10.9	9.07	<5	28	2.830856334	3.86	
A-10-67	135.5	136.45	0.95	639827	5	95		VAN10003593	15.9	34.5	133	1860	2.0	2.5996	58.8	5.5	340	3.30	29	7.1	4.2	247	20.3	17.2	<0.5	51	3.94	0.035	14.7	6.7	0.18	1104	0.004	0.45	<0.01	0.30	<0.5	0.32	2.6	4.3	3.75	<5	12	2.750172058	3.80	
A-10-67	136.45	137	0.55	639828	10	90		VAN10003593	22.8	43.6	147	1666	2.2	0.7973	70.2	7.3	164	3.49	35	4.6	5.8	106	17.8	19.4	<0.5	59	1.07	0.061	21.0	7.8	0.18	1317	0.004	0.49	<0.01	0.33	<0.5	0.30	2.5	4.3	3.89	<5	15	2.736120631	2.77	
A-10-67	137	138	1	639829	12	88		VAN10003593	32.3	54.9	206	2489	3.2	0.7409	94.0	7.3	333	4.60	47	6.5	4.8	182	27.5	27.9	<0.5	64	1.99	0.062	14.4	7.8	0.37	1164	0.004	0.43	<0.01	0.29	<0.5	0.44	2.4	5.6	5.07	<5	23	2.644780039	3.97	
A-10-67				639830			Coarse Duplicate of 639829	VAN10003593	33.2	59.1	224	2544	3.5	0.7419	92.3	7.2	356	4.81	51	6.9	5.3	180	30.9	31.2	<0.5	63	1.99	0.059	13.4	8.2	0.37	925	0.004	0.43	<0.01	0.28	<0.5	0.49	2.5	6.6	5.34	<5	22	2.7253569		
A-10-67	138	139	1	639831	15	85		VAN10003593	24.7	54.5	230	799	3.9	0.7195	85.3	6.9	245	5.28	54	4.3	5.2	111	9.0	38.6	<0.5	58	1.78	0.060	13.6	9.4	0.20	883	0.005	0.48	<0.01	0.31	<0.5	0.42	2.2	7.1	6.00	<5	19	2.726653033	3.60	
A-10-67	139	140	1	639832	5	95		VAN10003593	26.7	42.7	110	2157	2.6	0.6161	68.2	7.3	202	3.19	34	5.2	5.3	157	25.5	25.2	<0.5	72	1.71	0.069	15.2	8.6	0.25	1133	0.005	0.53	<0.01	0.34	<0.5	0.22	2.8	3.6	3.46	<5	15	2.69541779	3.98	
A-10-67	140	141.05	1.05	639833	12	88		VAN10003593	28.5	49.3	142	1617	2.9	0.6123	77.1	7.1	148	3.49	41	5.5	5.8	128	18.4	33.0	<0.5	64	1.05	0.072	16.0	8.5	0.20	848	0.004	0.48	<0.01	0.31	<0.5	0.36	2.0	4.4	3.90	<5	23	2.693602694	4.74	
A-10-67	141.05	141.9	0.85	639834	Tr	99		VAN10003593	23.7	38.4	97	1315	2.3	0.6384	72.8	7.0	140	2.64	34	5.1	5.1	91	14.8	26.4	<0.5	62	1.01	0.042	16.3	7.7	0.25	1199	0.004	0.51	<0.01	0.32	<0.5	0.36	2.2	3.2	2.82	<5	18	2.663339987	3.48	
A-10-67	141.9	143	1.1	639835	Tr	99		VAN10003593	18.5	36.4	22	1078	0.7	0.7975	58.1	8.0	283	1.96	18	4.8	5.0	215	11.5	11.6	<0.5	74	2.36	0.053	22.5	7.5	0.53	2108	0.005	0.54	<0.01	0.37	<0.5	0.16	2.7	1.2	1.27	<5	9	2.627463863	4.65	
A-10-67	143	144	1	639836	Tr	99		VAN10003593	20.0	40.8	17	1226	0.7	0.6344	52.2	7.8	153	1.60	18	5.5	6.1	200	12.6	10.1	<0.5	80	2.13	0.088	22.9	9.9	0.42	1128	0.006	0.66	<0.01	0.40	<0.5	0.16	2.8	1.0	1.21	<5	10	2.589644013	3.98	
A-10-67	162	163	1	639837	Tr	99		VAN10003593	16.1	35.4	51	1882	1.0	0.6988	62.6	6.7	263	2.00	16	4.8	5.0	190	26.8	17.0	<0.5	70	2.13	0.077	21.8	8.0	0.55	1216	0.005	0.52	<0.01	0.33	<0.5	0.26	2.9	1.6	1.65	<5	11	2.593911917	3.87	
A-10-67	163	164	1	639838	2	98		VAN10003593	28.5	59.2	200	512	2.9	0.9731	92.7	7.3	242	3.97	41	6.4	4.3	153	8.4	50.5	<0.5	83	0.96	0.067	17.6	7.8	0.08	850	0.005	0.50	<0.01	0.30	<0.5	0.67	1.7	5.2	4.39	<5	35	2.674698795	4.34	
A-10-67	164	165	1	639839	1	99		VAN10003593	27.6	56.5	131	154	2.0	0.9475	87.9	7.5	161	2.85	37	5.8	4.5	125	2.3	42.0	<0.5	82	0.79	0.059	20.0	7.3	0.16	1342	0.004	0.52	<0.01	0.33	<0.5	0.52	2.1	4.2	2.99	<5	38	2.636244255	4.00	
A-10-67				639840			Blank BL108	VAN10003593	0.8	15.3	4	29	<0.5	0.1017	2.0	2.6	546	1.52	<5	1.7	4.2	11	<0.5	<0.5	<0.5	14	0.14	0.017	8.6	13.5	0.22	151	0.077	0.59	0.09	0.30	<0.5	<0.05	2.9	<0.5	<0.05	<5	<2	I.S.	0.02	
A-10-67	165	166	1	639841	Tr	99		VAN10003593	12.2	42.6	41	1504	1.0	0.7695	51.4	7.3	143	1.66	18	3.1	5.0	106	22.7	19.3	<0.5	62	0.99	0.070	22.5	7.8	0.27	1015	0.005	0.55	<0.01	0.34	<0.5	0.23	2.5	1.4	1.60	<5	17	2.545512412	4.40	
A-10-67	166	167	1	639842	Tr	99		VAN10003593	20.5	55.1	91	651	1.6	0.8811	75.4	7.0	191	2.41	35	4.6	5.1	154	10.1	33.7	<0.5	76	1.34	0.063	20.7	7.3	0.27	1739	0.005	0.51	<0.01	0.31	<0.5	0.36	2.4	3.2	2.39	<5	31	2.642244224	4.73	
A-10-67	167	168	1	639843	Tr	99		VAN10003593	20.9	43.3	43	2999	1.1	0.7748	68.3	7.1	219	1.50	19	5.6	4.7	187	42.5	20.8	<0.5	70	1.82	0.072	20.6	7.2	0.18	1264	0.005	0.49	<0.01	0.32	<0.5	0.27	2.0	1.4	1.62	<5	22	2.531012658	3.67	
A-10-67	168	169	1	639844	Tr	99		VAN10003593	24.7	49.0	75	2570	1.7	0.8815	79.6	7.6	107	1.82	28	7.1	4.8	113	35.0	28.0	<0.5	73	0.78	0.071	20.7	6.8	0.10	1569	0.004	0.48	<0.01	0.30	<0.5	0.25	1.6	2.5	2.08	<5	27	2.604031209	3.68	
A-10-67	169	170	1	639845	1	99		VAN10003593	21.8	51.6	114	424	1.5	1.0261	78.6	6.7	216	2.82	34	4.7	4.8	133	6.7	37.1	<0.5	79	1.00	0.058	20.0	7.4	0.21	1276	0.004	0.51	<0.01	0.30	<0.5	0.26	2.3	3.3	2.92	<5	34	2.641750842	4.43	
A-10-67	170	171	1	639846	1	99		VAN10003593	27.5	51.5	111	937	1.9	0.7116	87.9	7.6	113	2.27	49	5.9	4.6	119	15.1	37.2	<0.5	88	0.65	0.052	19.7	8.3	0.08	1133	0.005	0.51	<0.01	0.31	<0.5	0.28	1.9	3.3	2.44	<5	31	2.642007926	4.52	
A-10-67	171	172	1	639847	1	99		VAN10003593	33.3	67.2	84	1618	3.8	0.6726	90.4	7.3	92	3.09	46	8.9	4.2	97	22.5	39.3	<0.5	115	0.71	0.098	15.5	10.9	0.05	1124	0.005	0.49	<0.01	0.28	<0.5	0.30	1.4	2.1	3.42	<5	32	2.633311389	4.18	
A-10-67	172	173	1	639848	Tr	99		VAN10003593	9.5	22.1	22	1269	1.0	0.4812	37.8	3.5	334	1.68	12	3.0	2.6	466	17.0	12.3	<0.5	53	4.26	0.063	14.5	5.3	0.62	1208	0.004	0.35	<0.01	0.20	<0.5	0.09	1.5	0.9	1.26	<5	15	2.634451019	3.97	
A-10-67	173	174	1	639849	Tr	99		VAN10003593	20.2	53.7	25	1203	1.4	0.8543	83.7	7.7	111	1.61	29	5.2	5.8	130	14.7	19.7	<0.5	99	1.13	0.190	22.4	10.7	0.24	1381	0.006	0.68	<0.01	0.37	<0.5	0.12	2.6	1.0	1.69	<5	17	2.593770279	4.32	
A-10-67				639850			STD PB111	VAN10003593	4.4	6920.9	21231	4483	188.5	0.0044	14.7	12.9	230	3.88	223	<0.5	<0.5	12	77.4	457.7	24.2	<10	0.19	0.016	0.5	29.2	0.04	11	<0.001	0.05	<0.01	0.02	18.4	1.22	0.7	<0.5	3.57	<5	72	I.S.	0.02	
A-10-67	174	175	1	639851	Tr	99		VAN10003593	20.0	50.1	22	1902	1.3	0.8676	72.9	7.9	125	1.38	15	4.9	5.5	144	22.4	15.6	<0.5	92	1.28	0.180	23.5	10.9	0.28	1356	0.006	0.64	<0.01	0.36	<0.5	0.14	2.2	0.9	1.49	<5	18	2.619359058	4.10	
A-10-67	175	176	1	639852	1	99		VAN10003593	17.0	42.5	39	1970	1.5	0.7062	63.4	6.5	382	2.32	24	5.0	4.8	250	26.3	19.8	<0.5	79	2.47	0.105	18.8	7.4	0.63	1144	0.005	0.54	<0.01	0.30	<0.5	0.14	2.7	1.5	2.21	<5	26	2.661129568	4.04	
A-10-67	176	176.95	0.95	639853	2	98		VAN10003593	21.6	56.3	58	1955	1.8	0.9688	81.9	7.3	145	1.98	42	7.4	3.8	123	28.8	30.5	<0.5	75	1.13	0.051	18.7	7.1	0.10	1850	0.004	0.50	<0.01	0.29	<0.5	0.23	1.8	2.4	2.25	<5	45	2.645502646	3.65	
A-10-67	176.95	177.95	1	639854	5	95		VAN10003593	24.6	51.8	72	3294	2.2	0.7832	86.8	7.7	326	2.32	38	5.9	4.3	180	50.7	33.6	<0.5	86	1.50	0.063	18.6	7.6	0.17	1531	0.005	0.51	<0.01	0.31	<0.5	0.30	2.0	2.5	2.67	<5	35	2.650562541	4.15	
A-10-67	177.95	179	1.05	639855	2	98		VAN10003593	20.5	50.7	88	647	2.8	0.7469	87.4	6.4	646	3.49	46	3.8	4.6	372	10.5	39.8	<0.5	70	3.35	0.057	17.2	8.0	0.51	1238	0.005	0.46	<0.01	0.27	<0.5	0.24	2.9	3.9	3.68	<5	38	2.657370518	4.05	
A-10-67	179	180	1	639856	2	98		VAN10003593	22.6	41.4	59	1707	2.2	0.7180	84.3	7.3	530	3.13	46	3.7	4.8	256	27.1	32.8	<0.5	76	2.51	0.067	18.6	7.6	0.27	1274	0.005	0.52	<0.01	0.30	<0.5	0.26	2.4	3.1	3.44	<5	24	2.680481283	4.07	
A-10-67	180	180.6	0.6	639857	5	95		VAN10003593	22.7	45.8	86	977	2.8	0.7365	96.9	7.2	361	3.31	55	3.4	4.8	173	15.8	37.5	<0.5	81	1.68	0.059	17.5	8.4	0.27	1214	0.005	0.50	<0.01	0.28	<0.5	0.30	2.8	4.1	3.64	<5	28	2.65936255	2.42	
A-10-67	180.6	181.21	0.61	639858	10	90		VAN10003593	21.8	41.4	76	3073	2.6	0.7987	95.6	7.8	261	3.24	51	3.5	4.4	132	48.5	33.5	<0.5	75	1.15	0.077	19.0	9.8	0.15	1322	0.005	0.52	<0.01	0.29	<0.5	0.38	2.5	3.8	3.67	<5	24	2.658244681	2.37	
A-10-67	181.21	182	0.79	639859	40	60		VAN10003593	22.1	54.8	257	1305	7.2	2.8568	106.2	5.6	669	6.68	121	3.1	3.1	204	20.7	49.1	<0.5	94	2.90	0.055	12.6	11.3	0.13	340	0.004	1.09	<0.01	0.20	<0.5	0.75	3.3	8.9	7.07	<5	32	2.784818942	3.56	
A-10-67				639860			Pulp Dupicate of 639859	VAN10003593	21.5	55.7	250	1303	7.1	2.8426	111.2	6.3	666	6.69	120	3.0	3.1	210	21.7	50.1	<0.5	93	2.94	0.058	12.5	11.2	0.13	402	0.003	1.07	<0.01	0.19	<0.5	0.74	2.5	8.9	7.13	<5	31	2.816384181		
A-10-67	182	183	1	639861	60	40		VAN10003593	15.4	36.3	152	992	7.6	8.3789	76.6	5.1	1540	7.24	96	2.7	2.4	370	16.4	16.1	<0.5	119	5.42	0.080	11.6	19.9	0.47	417	0.003	2.63	<0.01	0.10	<0.5	0.94	6.6	7.4	6.61	<5	16	2.915451895	4.78	
A-10-67	183	183.75	0.75	639862	50	50		VAN10003593	12.6	31.7	116	20	4.3	15.2978	63.1	4.1	831	4.38	73	2.5	3.1	1051	<0.5	10.3	<0.5	160	5.72	0.115	15.2	27.1	0.29	1245	0.009	2.55	<0.01	0.08	<0.5	0.45	6.6	3.8	2.37	6	11	2.961509993	3.50	
A-10-67	183.75	184.77	1.02	639863	40	60		VAN10003593	12.0	31.9	131	156	2.7	15.0958	57.6	4.5	576	3.43	42	2.9	3.0	893	1.5	12.8	<0.5	206	5.77	0.141	17.1	40.1	0.35	2654	0.041	2.90	<0.01	0.07	<0.5	0.28	7.0	4.7	1.29	7	10	2.95202952	4.42	
A-10-67	184.77	185.45	0.68	639864	Tr	99		VAN10003593	40.6	36.2	116	6101	0.9	7.3015	81.7	8.9	121	2.04	25	11.1	3.0	86	55.4	19.6	<0.5	133	0.76	0.045	15.2	11.2	0.27	5734	0.003	2.82	<0.01	0.11	<0.5	0.67	5.9	2.2	0.95	5	13	2.702702703	3.02	
A-10-67	185.45	185.9	0.45	639865	10	90		VAN10003593	12.4	17.0	9	7	<0.5	0.0720	29.1	4.7	222	0.70	7	5.1	0.9	287	<0.5	2.8	<0.5	41	22.63	0.039	8.7	4.8	0.24	456	0.002	0.19	<0.01	0.12	<0.5	<0.05	1.4	<0.5	0.63	<5	4	2.625738674	1.67	
A-10-67	429	430	1	639866	Tr	50		VAN10003593	15.0	33.9	110	27	0.8	8.9662	45.3	7.5	283	2.55	20	5.1	4.2	244	<0.5	18.8	<0.5	36	3.26	0.044	18.1	9.8	0.77	3907	0.002	2.87	<0.01	0.13	<0.5	0.20	5.8	3.4	1.08	<5	6	2.785913529	1.80	
A-10-67	430	431	1	639867	Tr	50		VAN10003593	17.0	24.6	13	15	<0.5	0.1249	40.4	6.4	297	1.06	11	8.1	1.7	329	<0.5	4.1	<0.5	51	16.65	0.166	13.1	7.1	0.35	874	0.003	0.27	<0.01	0.17	<0.5	<0.05	1.8	0.6	0.94	<5	5	2.634628045	2.39	
A-10-67	431	432	1	639868	Tr	50		VAN10003593	25.3	40.9	20	5	0.6	0.0721	66.2	11.6	240	1.48	15	9.0	2.7	251	<0.5	7.0	<0.5	75	12.77	0.176	16.7	9.9	0.18	268	0.004	0.37	<0.01	0.26	<0.5	0.08	2.3	0.7	1.41	<5	9	2.656042497	2.14	
A-10-67	432	433	1	639869	Tr	30		VAN10003593	11.8	18.7	10	12	<0.5	0.0353	33.8	5.2	325	0.88	7	6.3	1.2	421	<0.5	3.1	<0.5	37	24.50	0.099	13.5	4.6	0.19	137	0.002	0.19	<0.01	0.13	<0.5	<0.05	2.0	<0.5	0.80	<5	5	2.629191321	2.19	
A-10-67				639870			Blank BL108	VAN10003593	0.6	15.2	4	31	<0.5	0.0973	1.9	2.9	551	1.45	<5	1.8	4.6	15	<0.5	<0.5	<0.5	13	0.38	0.018	8.8	14.5	0.22	157	0.081	0.69	0.12	0.35	<0.5	<0.05	3.9	<0.5	<0.05	<5	<2	I.S.	0.02	
A-10-67	433	434.19	1.19	639871	Tr	60		VAN10003593	32.3	39.4	21	7	0.6	0.0794	73.0	11.7	178	1.35	17	7.1	2.9	145	<0.5	6.7	<0.5	79	9.15	0.064	12.2	9.1	0.23	213	0.003	0.40	<0.01	0.27	<0.5	0.07	1.5	0.7	1.32	<5	9	2.603908795	2.43	
A-10-67	434.19	435	0.81	639872	Tr	60		VAN10003593	21.7	31.2	14	11	0.6	0.0580	57.6	7.1	370	1.19	13	6.2	2.6	222	<0.5	4.6	<0.5	68	19.74	0.111	19.4	10.3	0.63	190	0.003	0.32	<0.01	0.22	<0.5	0.05	1.9	0.7	0.95	<5	9	2.609150327	1.36	
A-10-67	435	436	1	639873	Tr	20		VAN10003593	14.6	23.4	11	18	0.5	0.0841	44.2	6.3	882	1.03	12	5.0	2.0	266	<0.5	4.1	<0.5	56	20.26	0.090	15.4	12.5	0.48	502	0.003	0.30	<0.01	0.21	<0.5	<0.05	1.8	<0.5	0.89	<5	8	2.638339921	2.06	
A-10-67	436	437	1	639874	Tr	20		VAN10003593	11.4	23.3	13	<5	<0.5	0.1164	40.5	6.3	1421	1.15	10	3.4	1.4	335	<0.5	4.1	<0.5	50	22.46	0.047	9.4	9.0	0.21	896	0.002	0.22	<0.01	0.18	<0.5	<0.05	1.6	<0.5	1.17	<5	7	2.641347424	1.97	
A-10-67	437	438	1	639875	Tr	40		VAN10003593	19.5	28.8	16	17	0.6	0.0618	47.4	8.3	219	1.13	13	5.5	2.0	247	<0.5	5.1	<0.5	58	16.78	0.059	11.1	6.2	0.26	239	0.002	0.29	<0.01	0.22	<0.5	0.06	1.5	0.5	1.15	<5	8	2.618455497	2.07	
A-10-67	438	439	1	639876	Tr	40		VAN10003593	14.2	21.1	12	17	<0.5	0.0566	38.4	5.9	266	1.00	11	5.4	1.5	315	<0.5	3.8	<0.5	47	18.19	0.054	11.9	5.9	0.37	305	0.002	0.24	<0.01	0.17	<0.5	<0.05	1.7	<0.5	0.83	<5	7	2.618455497	2.83	
A-10-67	439	440.07	1.07	639877	Tr	50		VAN10003593	22.3	32.2	17	69	<0.5	0.0562	60.4	9.9	201	1.27	15	7.5	2.5	188	1.0	6.2	<0.5	63	11.45	0.115	13.3	11.6	0.65	196	0.003	0.36	<0.01	0.25	<0.5	0.06	2.3	0.7	1.10	<5	7	2.598312784	2.02	
A-10-67	440.07	441.05	0.98	639878	2	70		VAN10003593	27.1	35.9	38	6	0.5	0.1039	72.3	14.3	184	1.75	23	8.8	2.6	97	<0.5	7.5	<0.5	123	4.54	0.045	17.7	9.6	0.33	339	0.002	0.38	<0.01	0.29	<0.5	0.13	2.7	0.8	1.70	<5	12	2.64290429	1.81	
A-10-67	441.05	441.68	0.63	639879	40	20		VAN10003593	17.3	41.1	252	30	5.2	0.0810	225.7	57.6	873	7.50	105	2.5	2.6	119	<0.5	21.3	<0.5	80	5.01	0.080	12.6	12.4	0.10	232	0.003	0.44	<0.01	0.34	<0.5	0.44	2.0	12.2	9.11	<5	15	2.765722184	1.61	
A-10-67				639880			STD PB129	VAN10003593	3.9	2892.8	12637	21725	25.0	0.0911	10.1	10.4	845	3.21	13	<0.5	1.0	75	133.0	38.4	1.0	34	1.11	0.081	9.9	23.0	1.42	210	0.117	1.96	0.06	0.24	<0.5	0.15	1.9	<0.5	1.94	6	<2	I.S.	0.02	
A-10-67	441.68	443.05	1.37	639881	40	20		VAN10003593	17.5	40.6	289	26	6.2	0.0905	228.7	42.6	909	7.99	111	1.6	2.2	137	<0.5	19.3	<0.5	72	6.33	0.075	10.3	13.4	0.10	297	0.002	0.39	<0.01	0.32	<0.5	0.48	2.1	14.8	9.75	<5	14	2.831564048	2.12	
A-10-67	443.05	444	0.95	639882	40	40		VAN10003593	17.5	44.2	239	32	7.3	0.1195	156.3	40.4	451	4.95	77	1.6	2.9	99	0.9	13.2	<0.5	65	3.89	0.068	15.8	12.3	0.11	286	0.002	0.42	<0.01	0.35	<0.5	0.39	2.0	8.8	6.07	<5	14	2.69448183	1.93	
A-10-67	444	445.67	1.67	639883	20	60		VAN10003593	12.5	32.6	167	69	3.4	0.1610	143.0	38.4	946	5.32	72	1.5	1.5	177	0.6	15.5	<0.5	78	8.63	0.029	9.3	13.5	0.18	445	0.002	0.31	<0.01	0.26	<0.5	0.27	2.5	5.6	6.05	<5	12	2.723621511	2.93	
A-10-67	445.67	446.66	0.99	639884	10	70		VAN10003593	19.3	36.2	146	930	0.8	0.1354	66.0	10.3	496	1.63	18	3.8	2.7	122	7.4	10.3	<0.5	43	5.79	0.036	12.0	7.2	0.13	478	0.003	0.41	<0.01	0.31	<0.5	0.13	2.5	6.0	1.86	<5	6	2.597402597	2.15	
A-10-67	446.66	448	1.34	639885	5	50		VAN10003593	10.4	24.8	115	604	0.9	0.1451	47.5	5.7	822	1.47	18	1.7	2.0	290	4.5	7.1	<0.5	39	11.73	0.029	10.5	7.3	0.19	536	0.002	0.34	<0.01	0.25	<0.5	0.09	2.4	3.7	1.53	<5	3	2.632063075	3.08	
A-10-67	448	449	1	639886	5	10		VAN10003593	6.0	11.5	203	16	1.5	0.1831	29.8	1.8	2059	3.14	32	0.7	0.9	544	<0.5	7.8	<0.5	48	26.80	0.042	4.4	9.4	0.68	1402	0.002	0.21	0.01	0.16	<0.5	0.12	1.8	3.4	3.41	<5	4	2.692929293	2.39	
A-10-67	449	450	1	639887	1	20		VAN10003593	6.1	20.2	111	602	1.0	0.1384	39.6	2.5	1859	1.48	20	1.0	1.2	448	6.1	9.4	<0.5	51	24.76	0.031	5.2	7.2	0.47	931	0.002	0.25	0.01	0.18	<0.5	0.09	2.0	4.6	1.52	<5	7	2.634146341	1.98	
A-10-67	450	451	1	639888	1	20		VAN10003593	7.1	32.4	74	3903	0.6	0.1754	32.0	3.4	1607	0.74	8	1.3	1.6	365	35.3	8.1	<0.5	52	21.07	0.033	6.4	5.2	0.26	1062	0.002	0.28	0.01	0.23	<0.5	0.22	2.6	4.0	0.89	<5	7	2.596241089	2.21	

									7AX	7AX	7AX	7AX	7AX	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	WGHT	7AR.1
									Mo	Cu	Pb	Zn	Ag	Ba	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Wgt	Pb
HOLE ID	FROM	TO	LENGTH	SAMPLE #	% SULPHIDES	% SHALE	STANDARDS	CERTIFICATE #	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	NONE	KG	%
A-10-67	451	452	1	639889	Tr	10		VAN10003593	7.0	26.5	59	3231	0.5	0.1646	29.2	2.8	1771	0.69	8	1.2	1.8	413	25.5	6.5	<0.5	55	23.33	0.030	6.8	5.2	0.29	1040	0.002	0.27	0.01	0.21	<0.5	0.18	2.1	6.9	0.74	<5	6	2.621480026	2.31	
A-10-67				639890			Coarse Duplicate of 639889	VAN10003593	6.6	27.2	61	3186	0.5	0.1663	28.1	2.9	1734	0.67	6	1.1	1.6	398	25.3	6.3	<0.5	57	22.34	0.030	7.1	5.1	0.29	1020	0.002	0.29	0.01	0.21	<0.5	0.20	2.1	6.9	0.78	<5	4	2.622542595		
A-10-67	452	453	1	639891	Tr	99		VAN10003593	4.5	12.5	41	1584	<0.5	0.1659	17.4	2.0	2350	0.65	<5	0.8	1.1	535	13.5	3.2	<0.5	36	27.88	0.022	6.6	3.8	0.50	1353	0.001	0.20	0.02	0.14	<0.5	0.13	1.7	8.6	0.50	<5	<2	2.629605263	2.20	
A-10-67	453	454	1	639892	Tr	99		VAN10003593	25.9	35.9	182	6251	0.5	0.2041	59.3	7.8	569	2.01	23	6.2	2.4	255	49.8	8.5	<0.5	26	8.74	0.025	8.7	5.1	0.14	618	0.002	0.35	<0.01	0.27	<0.5	0.44	1.7	7.5	2.58	<5	4	2.647840532	2.32	
A-10-67	454	455	1	639893	Tr	99		VAN10003593	33.6	44.4	251	2258	1.1	0.2055	99.5	17.5	316	2.97	33	8.5	3.7	124	18.5	15.2	<0.5	27	4.69	0.062	10.1	6.4	0.17	538	0.004	0.42	<0.01	0.30	<0.5	0.34	2.1	7.7	3.65	<5	6	2.605981795	2.08	
A-10-67	455	456	1	639894	Tr	99		VAN10003593	9.9	22.5	124	15	<0.5	0.2003	37.5	4.9	1099	2.60	11	3.3	2.4	297	<0.5	4.9	<0.5	22	15.95	0.047	7.5	5.5	0.54	1300	0.003	0.34	<0.01	0.23	<0.5	0.15	2.4	4.2	2.99	<5	3	2.668666667	2.43	
A-10-67	456	457	1	639895	Tr	99		VAN10003593	13.9	28.2	141	222	0.6	0.2755	37.1	5.9	632	2.17	15	5.0	3.2	207	1.4	5.0	<0.5	25	10.45	0.061	8.7	6.0	0.52	1695	0.003	0.41	<0.01	0.28	<0.5	0.14	2.5	3.2	2.41	<5	3	2.627770535	1.98	
A-10-67	457	458.15	1.15	639896	Tr	99		VAN10003593	27.8	39.7	173	266	0.7	0.2325	44.1	7.4	247	2.64	20	7.5	3.4	132	2.0	7.1	<0.5	32	5.22	0.059	10.1	6.0	0.30	1296	0.004	0.46	<0.01	0.33	<0.5	0.19	2.0	3.0	3.12	<5	4	2.587209302	1.99	
A-10-67	458.15	459	0.85	639897	Tr	99		VAN10003593	38.0	37.3	128	949	0.7	0.2738	49.1	7.3	250	1.93	18	8.1	2.9	116	10.0	7.4	<0.5	37	7.18	0.056	10.6	7.0	0.19	1692	0.004	0.42	<0.01	0.30	<0.5	0.19	2.1	2.2	2.25	<5	6	2.641771315	2.06	
A-10-67	459	460	1	639898	Tr	99		VAN10003593	16.8	18.9	47	153	<0.5	0.0671	34.8	4.1	144	0.96	10	6.3	1.6	190	1.8	4.8	<0.5	33	23.25	0.041	7.4	4.4	0.26	255	0.002	0.26	<0.01	0.19	<0.5	0.07	1.3	0.9	0.99	<5	3	2.606815203	2.32	
A-10-67	460	461.05	1.05	639899	Tr	99		VAN10003593	48.2	31.5	158	6	0.9	0.1295	98.9	18.2	166	2.05	28	11.1	3.5	126	<0.5	20.9	<0.5	29	7.39	0.046	11.5	5.3	0.18	280	0.003	0.43	<0.01	0.31	<0.5	0.18	2.2	2.8	2.40	<5	6	2.638998682	2.47	
A-10-67				639900			Blank BL108	VAN10003593	0.7	13.1	3	28	<0.5	0.0981	1.7	2.9	533	1.46	<5	1.6	4.9	9	<0.5	<0.5	<0.5	14	0.15	0.019	8.5	13.5	0.22	155	0.080	0.71	0.12	0.35	<0.5	<0.05	4.2	<0.5	<0.05	<5	<2	I.S.	0.02	
A-10-67	461.05	462	0.95	639901	Tr	99		VAN10003593	28.8	36.2	76	6	0.6	0.1496	75.8	11.3	76	1.24	20	8.4	4.3	30	<0.5	12.3	<0.5	129	1.06	0.048	18.3	8.1	0.30	435	0.004	0.58	<0.01	0.42	<0.5	0.08	2.4	1.6	1.30	<5	12	2.576750161	2.17	
A-10-67	462	463	1	639902	Tr	99		VAN10003593	23.8	39.4	62	<5	0.8	0.1130	71.0	10.7	132	1.74	22	7.3	4.1	52	<0.5	12.2	<0.5	79	3.03	0.070	13.1	8.7	0.63	262	0.005	0.49	<0.01	0.36	<0.5	0.11	2.1	1.3	1.72	<5	11	2.622222222	2.36	
A-10-67	463	464	1	639903	Tr	99		VAN10003593	18.7	23.4	42	14	0.6	0.2384	47.5	8.4	185	1.32	14	6.1	3.6	75	<0.5	9.0	<0.5	75	3.61	0.042	13.6	5.8	1.52	1497	0.004	0.46	<0.01	0.32	<0.5	0.07	2.1	0.9	1.02	<5	7	2.642668428	2.43	
A-10-67	464	465	1	639904	Tr	99		VAN10003593	25.8	43.5	74	753	1.0	0.1093	49.5	8.6	106	1.03	14	8.2	3.8	44	6.0	11.1	<0.5	110	2.16	0.052	13.3	9.2	0.69	192	0.005	0.48	<0.01	0.33	<0.5	0.15	1.8	1.4	0.92	<5	22	2.583225806	1.96	
A-10-67	465	466.05	1.05	639905	Tr	99		VAN10003593	22.2	39.2	48	7	0.7	0.1084	67.6	6.4	136	1.54	19	7.3	3.1	41	<0.5	11.6	<0.5	75	2.96	0.059	9.9	6.4	0.51	202	0.005	0.43	<0.01	0.28	<0.5	0.10	1.6	1.1	1.54	<5	14	2.596879064	2.45	
A-10-67	466.05	467	0.95	639906	Tr	99		VAN10003593	24.0	34.1	53	2034	0.6	0.1015	58.8	6.0	137	1.85	14	7.4	3.7	68	10.8	11.9	<0.5	64	3.53	0.046	9.1	6.9	0.71	194	0.004	0.41	<0.01	0.25	<0.5	0.25	1.7	1.4	1.98	<5	8	2.655172414	2.22	
A-10-67	467	468	1	639907	Tr	99		VAN10003593	14.2	29.8	27	1211	<0.5	0.1264	43.2	4.1	223	1.29	15	5.5	3.5	95	5.5	6.4	<0.5	49	7.68	0.088	11.7	7.0	1.12	580	0.005	0.41	<0.01	0.24	<0.5	0.10	1.4	0.8	1.21	<5	4	2.618705036	2.34	
A-10-67	468	469	1	639908	Tr	99		VAN10003593	24.7	36.4	31	1235	<0.5	0.1241	50.1	5.5	186	1.51	14	7.3	4.2	73	8.4	6.9	<0.5	59	4.22	0.079	11.5	7.7	1.01	439	0.005	0.44	<0.01	0.24	<0.5	0.16	1.9	0.6	1.50	<5	5	2.637805684	1.85	
A-10-67	469	470	1	639909	Tr	99		VAN10003593	22.7	26.1	26	711	<0.5	0.1017	46.2	5.2	317	1.50	7	7.4	5.0	80	5.5	5.3	<0.5	44	6.47	0.077	17.0	7.6	2.31	247	0.006	0.47	<0.01	0.28	<0.5	0.14	2.3	0.8	1.29	<5	4	2.644268775	2.25	
A-10-67				639910			STD PB129	VAN10003593	3.6	2782.7	12243	20922	23.0	0.0936	9.2	10.1	801	3.30	12	<0.5	1.0	66	113.0	35.0	0.8	39	1.00	0.075	8.2	21.4	1.39	164	0.104	1.83	0.05	0.20	<0.5	0.19	1.3	<0.5	1.86	<5	<2	I.S.	0.02	
A-10-67	470	471	1	639911	Tr	99		VAN10003593	22.9	32.9	32	771	<0.5	0.1006	51.6	5.3	254	1.81	9	5.8	4.8	73	5.8	6.2	<0.5	50	5.54	0.077	14.4	8.6	1.43	202	0.006	0.46	<0.01	0.27	<0.5	0.09	1.9	0.7	1.78	<5	3	2.660915727	2.27	
A-10-67	471	471.95	0.95	639912	Tr	99		VAN10003593	16.1	26.4	36	130	<0.5	0.1076	50.0	7.0	229	1.64	9	4.5	6.0	69	1.2	5.3	<0.5	39	4.93	0.075	13.6	8.0	1.34	176	0.006	0.50	<0.01	0.30	<0.5	0.07	1.9	0.5	1.55	<5	4	2.697501688	2.33	
A-10-67	471.95	473	1.05	639913	Tr	99		VAN10003593	17.7	23.5	21	<5	<0.5	0.0704	46.2	7.7	222	1.13	8	5.8	3.0	155	<0.5	5.4	<0.5	49	11.74	0.064	10.8	7.2	0.60	240	0.004	0.32	<0.01	0.19	<0.5	0.07	1.3	<0.5	1.03	<5	3	2.596753247	2.51	
A-10-67	473	474	1	639914	Tr	99		VAN10003593	23.8	32.9	29	<5	0.6	0.0872	49.7	10.1	190	1.57	11	4.8	3.9	69	<0.5	5.9	<0.5	55	6.28	0.053	10.0	7.1	0.86	208	0.004	0.40	<0.01	0.24	<0.5	0.13	1.4	0.6	1.47	<5	6	2.615686275	2.00	
A-10-67	474	474.95	0.95	639915	Tr	99		VAN10003593	14.1	14.5	13	99	<0.5	0.0466	22.0	2.4	199	0.67	6	4.8	1.6	273	0.7	2.9	<0.5	30	27.34	0.086	10.3	5.5	0.75	274	0.002	0.23	<0.01	0.13	<0.5	<0.05	1.1	<0.5	0.61	<5	3	2.625328084	2.24	
A-10-67	474.95	476	1.05	639916	Tr	99		VAN10003593	30.4	28.2	28	16	<0.5	0.0713	61.5	7.9	270	1.60	13	10.4	3.5	112	<0.5	5.4	<0.5	38	8.86	0.111	10.9	8.2	2.26	140	0.005	0.41	<0.01	0.25	<0.5	0.08	1.9	0.7	1.39	<5	4	2.627296588	2.41	
A-10-67	476	476.95	0.95	639917	Tr	99		VAN10003593	12.6	14.7	13	723	<0.5	0.0398	29.0	2.7	168	0.78	7	5.0	1.8	190	4.0	2.4	<0.5	28	22.03	0.136	11.1	10.0	0.76	120	0.003	0.23	<0.01	0.14	<0.5	0.09	1.3	<0.5	0.75	<5	4	2.616088947	2.22	
A-10-67	476.95	478.4	1.45	639918	Tr	99		VAN10003593	12.5	13.6	20	253	<0.5	0.0737	37.5	3.1	146	0.82	6	3.6	3.0	145	1.3	2.7	<0.5	13	14.08	0.017	12.8	4.3	0.51	135	0.003	0.33	<0.01	0.20	<0.5	0.07	1.6	<0.5	0.83	<5	<2	2.61362148	2.82	
A-10-67	478.4	479.4	1	639919	Tr	99		VAN10003593	20.8	10.7	10	1089	<0.5	0.0357	19.7	1.4	228	0.40	<5	3.8	1.7	301	10.2	1.4	<0.5	20	26.79	0.017	14.1	5.0	0.34	147	0.002	0.17	<0.01	0.11	<0.5	0.08	0.9	<0.5	0.39	<5	<2	2.651655629	2.38	
A-10-67				639920			Pulp Duplicate of 639919	VAN10003593	18.7	11.9	9	1075	<0.5	0.0353	21.3	1.4	225	0.43	<5	4.3	1.6	276	9.2	1.7	<0.5	18	26.66	0.019	13.6	4.6	0.33	150	0.002	0.18	<0.01	0.12	<0.5	<0.05	0.7	0.6	0.38	<5	<2	2.651625747		
A-10-67	479.4	480.25	0.85	639921	Tr	99		VAN10003593	16.8	17.6	10	804	<0.5	0.0259	24.9	1.6	190	0.35	<5	5.4	1.1	314	7.3	1.5	<0.5	11	35.18	0.024	11.8	4.1	0.27	127	0.001	0.14	<0.01	0.10	<0.5	0.08	0.8	<0.5	0.34	<5	3	2.62875817	2.07	
A-10-67	480.25	480.95	0.7	639922	Tr	99		VAN10003593	12.8	19.8	29	42	<0.5	0.0730	40.0	6.1	177	1.18	9	3.2	3.1	185	0.6	2.9	<0.5	14	19.00	0.032	10.5	4.6	0.33	239	0.003	0.41	<0.01	0.27	<0.5	0.05	1.8	0.6	1.28	<5	2	2.644884488	1.76	
A-10-67	480.95	482	1.05	639923	Tr	99		VAN10003593	19.8	22.9	26	389	<0.5	0.0817	42.0	4.6	168	1.14	9	3.6	3.2	150	3.5	3.6	<0.5	24	13.04	0.033	10.0	5.1	0.44	191	0.003	0.39	<0.01	0.25	<0.5	0.08	2.0	0.6	1.19	<5	3	2.614080834	2.32	
A-10-67	482	483	1	639924	Tr	99		VAN10003593	6.4	5.2	7	431	<0.5	0.0469	17.1	1.4	170	0.33	<5	4.2	1.0	279	4.6	1.4	<0.5	14	30.52	0.028	7.6	3.9	0.38	307	0.002	0.17	<0.01	0.11	<0.5	<0.05	0.9	<0.5	0.33	<5	<2	2.650530504	2.32	
A-10-67	483	484.07	1.07	639925	Tr	99		VAN10003593	8.7	8.0	12	78	<0.5	0.1495	17.5	2.3	157	0.57	<5	3.9	1.0	237	0.7	1.7	<0.5	<10	30.55	0.019	6.8	3.9	0.33	1218	0.002	0.16	<0.01	0.12	<0.5	<0.05	0.8	<0.5	0.61	<5	<2	2.63372859	2.69	
A-10-67	484.07	485	0.93	639926	Tr	99		VAN10003593	35.4	46.4	35	2303	0.6	0.1009	73.3	8.6	111	1.44	16	6.8	4.0	61	21.9	6.4	<0.5	77	4.13	0.061	12.3	6.9	0.21	230	0.004	0.50	<0.01	0.32	<0.5	0.19	1.7	0.7	1.67	<5	10	2.624671916	2.26	
A-10-67	485	486	1	639927	Tr	99		VAN10003593	20.1	20.1	24	450	<0.5	0.0897	45.8	5.0	168	1.23	9	4.4	4.0	111	4.3	3.7	<0.5	27	8.25	0.033	11.9	5.8	0.47	205	0.004	0.40	<0.01	0.25	<0.5	0.10	1.5	0.6	1.23	<5	3	2.626149803	2.26	
A-10-67	486	487	1	639928	Tr	99		VAN10003593	29.5	57.8	51	664	0.7	0.1413	94.1	11.8	115	2.02	19	6.2	4.9	57	4.9	7.7	<0.5	51	2.90	0.076	16.5	7.0	0.10	197	0.004	0.49	<0.01	0.38	<0.5	0.19	2.1	0.8	2.33	<5	6	2.651655629	2.24	
A-10-67	487	488	1	639929	Tr	99		VAN10003593	28.3	40.5	40	1766	0.5	0.1212	84.7	9.4	109	1.74	25	9.4	3.7	67	15.9	6.3	<0.5	39	5.31	0.051	14.2	5.9	0.16	349	0.004	0.44	<0.01	0.28	<0.5	0.23	1.3	1.2	1.97	<5	8	2.643944408	2.08	
A-10-67				639930			Blank BL108	VAN10003593	0.7	12.5	3	21	<0.5	0.0984	1.2	2.6	562	1.50	<5	1.7	5.1	9	<0.5	<0.5	<0.5	15	0.13	0.018	7.9	12.4	0.24	139	0.080	0.61	0.10	0.30	<0.5	<0.05	3.2	<0.5	<0.05	<5	<2	I.S.	0.02	
A-10-67	488	489	1	639931	Tr	99		VAN10003593	33.8	29.7	38	340	<0.5	0.1188	57.6	6.1	195	1.46	13	9.3	3.3	75	2.9	4.7	<0.5	53	6.36	0.037	12.7	5.4	2.05	291	0.003	0.37	<0.01	0.24	<0.5	0.10	1.6	1.3	1.33	<5	4	2.642007926	2.30	

HOLE ID	DISTANCE	AZIMUTH (mag)	AZIMUTH (true)	DIP	MAGN	SURVEY TYPE	ACCEPTED	COMMENTS
A-10-67	**0**		**50**	**-78**				**Collar**
A-10-67	14	33.6	54.38	-78.8	5739	REFLEX EZ-SHOT	Yes	
A-10-67	44	33.4	54.18	-78.8	5730	REFLEX EZ-SHOT	Yes	
A-10-67	74	30.1	50.88	-78.1	5727	REFLEX EZ-SHOT	Yes	
A-10-67	104	30	50.78	-77.4	5727	REFLEX EZ-SHOT	Yes	
A-10-67	134	26.4	47.18	-76.9	5714	REFLEX EZ-SHOT	Yes	
A-10-67	164	24.3	45.08	-76.2	5729	REFLEX EZ-SHOT	Yes	
A-10-67	194	24.2	44.98	-75.8	5727	REFLEX EZ-SHOT	Yes	
A-10-67	224	25.5	46.28	-75.6	5738	REFLEX EZ-SHOT	Yes	
A-10-67	254	26.7	47.48	-75	5735	REFLEX EZ-SHOT	Yes	
A-10-67	284	26.8	47.58	-74.7	5736	REFLEX EZ-SHOT	Yes	
A-10-67	344	28.3	49.08	-74.4	5743	REFLEX EZ-SHOT	Yes	
A-10-67	374	29.2	49.98	-73.8	5741	REFLEX EZ-SHOT	Yes	
A-10-67	404	29.8	50.58	-73.5	5742	REFLEX EZ-SHOT	Yes	
A-10-67	441	26.3	47.08	-73.2	5827	REFLEX EZ-SHOT	Yes	
A-10-67	471	24.2	44.98	-73.5	5830	REFLEX EZ-SHOT	Yes	
A-10-67	502	23.9	44.68	-73.3	5837	REFLEX EZ-SHOT	Yes	
A-10-67	532	27	47.78	-73.4	5832	REFLEX EZ-SHOT	Yes	

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-67	5	8	3	0.5	16.67	0	0.00												
A-10-67	8	11	3	3	100.00	0	0.00												
A-10-67	11	14	3	2.79	93.00	0.53	17.67												
A-10-67	14	17	3	2.58	86.00	0.1	3.33												
A-10-67	17	20	3	2.7	90.00	0.73	24.33												
A-10-67	20	23	3	3	100.00	0.94	31.33												
A-10-67	23	26	3	3.01	100.33	1.12	37.33												
A-10-67	26	29	3	2.89	96.33	1.21	40.33												
A-10-67	29	32	3	2.95	98.33	0.98	32.67												
A-10-67	32	35	3	2.91	97.00	1.85	61.67												
A-10-67	35	38	3	2.6	86.67	1.41	47.00												
A-10-67	38	41	3	2.76	92.00	1.51	50.33												
A-10-67	41	44	3	2.96	98.67	2.05	68.33												
A-10-67	44	47	3	2.87	95.67	1.31	43.67												
A-10-67	47	50	3	2.99	99.67	2.08	69.33												
A-10-67	50	53	3	2.97	99.00	1.99	66.33												
A-10-67	53	56	3	2.91	97.00	2.02	67.33												
A-10-67	56	59	3	2.85	95.00	1.02	34.00												
A-10-67	59	62	3	2.78	92.67	0.45	15.00												
A-10-67	62	65	3	2.52	84.00	0.75	25.00												
A-10-67	65	68	3	2.73	91.00	0.24	8.00												
A-10-67	68	71	3	2.84	94.67	2.1	70.00												
A-10-67	71	74	3	2.96	98.67	2.71	90.33												
A-10-67	74	77	3	2.88	96.00	2.31	77.00												
A-10-67	77	80	3	3.01	100.33	1.9	63.33												
A-10-67	80	83	3	2.98	99.33	1.61	53.67												
A-10-67	83	86	3	2.8	93.33	1.58	52.67												
A-10-67	86	89	3	2.88	96.00	1.66	55.33	3		1	1	1							
A-10-67	89	92	3	2.94	98.00	1.98	66.00												
A-10-67	92	95	3	2.4	80.00	0.44	14.67												
A-10-67	95	98	3	2.9	96.67	0.92	30.67												
A-10-67	98	101	3	2.85	95.00	0.52	17.33												
A-10-67	101	104	3	1.76	58.67	0.21	7.00	1			1								
A-10-67	104	107	3	1.87	62.33	0.34	11.33	1					1						
A-10-67	107	110	3	3.1	103.33	1.83	61.00	1					1						
A-10-67	110	113	3	2.98	99.33	1.82	60.67												
A-10-67	113	116	3	2.95	98.33	2.48	82.67												
A-10-67	116	119	3	2.91	97.00	2.36	78.67	1					1						
A-10-67	119	122	3	3	100.00	2.61	87.00												
A-10-67	122	125	3	2.98	99.33	2.42	80.67												
A-10-67	125	128	3	3.05	101.67	2.46	82.00												
A-10-67	128	131	3	2.81	93.67	1.27	42.33	1	1										
A-10-67	131	134	3	2.74	91.33	1.16	38.67	6	2	1		2	1						
A-10-67	134	137	3	2.97	99.00	1.67	55.67	3	3										
A-10-67	137	140	3	2.82	94.00	0.65	21.67	1	1										
A-10-67	140	143	3	2.93	97.67	1.65	55.00												
A-10-67	143	146	3	2.98	99.33	2.78	92.67												
A-10-67	146	149	3	2.9	96.67	2.56	85.33												
A-10-67	149	152	3	2.79	93.00	2.44	81.33												
A-10-67	152	155	3	2.85	95.00	2.61	87.00	1			1								
A-10-67	155	158	3	2.94	98.00	2.87	95.67												
A-10-67	158	161	3	2.62	87.33	1.41	47.00	1			1								

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-67	161	164	3	2.84	94.67	1.84	61.33												
A-10-67	164	167	3	2.94	98.00	2.54	84.67	1				1							
A-10-67	167	170	3	2.77	92.33	1.56	52.00												
A-10-67	170	173	3	2.95	98.33	1.8	60.00	2	1			1							
A-10-67	173	176	3	2.94	98.00	2.45	81.67	10	8	1	1								
A-10-67	176	179	3	2.84	94.67	2.62	87.33	8	8										
A-10-67	179	182	3	2.96	98.67	2.71	90.33	7	4	3									
A-10-67	182	185	3	3.01	100.33	2.93	97.67												
A-10-67	185	188	3	3.01	100.33	2.7	90.00												
A-10-67	188	191	3	2.94	98.00	2.61	87.00												
A-10-67	191	194	3	2.99	99.67	2.99	99.67												
A-10-67	194	197	3	2.87	95.67	2.59	86.33												
A-10-67	197	200	3	2.93	97.67	2.65	88.33												
A-10-67	200	203	3	2.98	99.33	2.67	89.00												
A-10-67	203	206	3	2.88	96.00	1.76	58.67												
A-10-67	206	209	3	2.99	99.67	1.72	57.33												
A-10-67	209	212	3	2.93	97.67	2.4	80.00												
A-10-67	212	215	3	3.05	101.67	2.78	92.67												
A-10-67	215	218	3	2.92	97.33	2	66.67												
A-10-67	218	221	3	2.85	95.00	2.49	83.00												
A-10-67	221	224	3	2.87	95.67	2.3	76.67												
A-10-67	224	227	3	2.99	99.67	2.71	90.33												
A-10-67	227	230	3	2.92	97.33	2.9	96.67												
A-10-67	230	233	3	2.89	96.33	2.45	81.67												
A-10-67	233	236	3	2.98	99.33	2.98	99.33												
A-10-67	236	239	3	2.78	92.67	1.74	58.00												
A-10-67	239	242	3	2.66	88.67	0.99	33.00												
A-10-67	242	245	3	2.68	89.33	1.92	64.00												
A-10-67	245	248	3	2.98	99.33	2.15	71.67												
A-10-67	248	251	3	2.86	95.33	2.55	85.00												
A-10-67	251	254	3	2.88	96.00	2.51	83.67												
A-10-67	254	257	3	2.86	95.33	2.65	88.33												
A-10-67	257	260	3	2.8	93.33	2.65	88.33												
A-10-67	260	263	3	3	100.00	2.26	75.33												
A-10-67	263	266	3	2.87	95.67	2.46	82.00												
A-10-67	266	269	3	2.87	95.67	2.25	75.00												
A-10-67	269	272	3	2.83	94.33	2.53	84.33												
A-10-67	272	275	3	3	100.00	2.68	89.33												
A-10-67	275	278	3	2.95	98.33	1.58	52.67												
A-10-67	278	281	3	2.97	99.00	2.2	73.33												
A-10-67	281	284	3	2.91	97.00	1.95	65.00												
A-10-67	284	287	3	2.82	94.00	1.85	61.67												
A-10-67	287	290	3	3.03	101.00	3.01	100.33												
A-10-67	290	293	3	3.05	101.67	1.1	36.67												
A-10-67	293	296	3	3.01	100.33	1.43	47.67												
A-10-67	296	299	3	2.97	99.00	2.63	87.67												
A-10-67	299	302	3	2.66	88.67	0.44	14.67												
A-10-67	302	305	3	2.81	93.67	0.97	32.33												
A-10-67	305	308	3	2.93	97.67	1.93	64.33												
A-10-67	308	311	3	2.91	97.00	1.9	63.33												
A-10-67	311	314	3	2.92	97.33	2.19	73.00												
A-10-67	314	317	3	3	100.00	2.12	70.67												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-67	317	320	3	2.99	99.67	2.64	88.00												
A-10-67	320	323	3	2.94	98.00	2.45	81.67												
A-10-67	323	326	3	2.99	99.67	2.65	88.33												
A-10-67	326	329	3	2.74	91.33	2.51	83.67												
A-10-67	329	332	3	2.84	94.67	2.22	74.00												
A-10-67	332	335	3	2.85	95.00	2.54	84.67												
A-10-67	335	338	3	2.82	94.00	2.23	74.33												
A-10-67	338	341	3	2.98	99.33	2.17	72.33												
A-10-67	341	344	3	2.67	89.00	0.61	20.33												
A-10-67	344	347	3	2.97	99.00	1.47	49.00												
A-10-67	347	350	3	2.91	97.00	1.9	63.33												
A-10-67	350	353	3	2.96	98.67	2.37	79.00												
A-10-67	353	356	3	3.02	100.67	2.79	93.00												
A-10-67	356	359	3	2.88	96.00	2.47	82.33												
A-10-67	359	362	3	2.96	98.67	2.79	93.00												
A-10-67	362	365	3	2.99	99.67	2.58	86.00												
A-10-67	365	368	3	2.97	99.00	1.97	65.67												
A-10-67	368	371	3	2.89	96.33	2.21	73.67												
A-10-67	371	374	3	2.88	96.00	2.11	70.33												
A-10-67	374	377	3	2.92	97.33	2.39	79.67												
A-10-67	377	380	3	2.94	98.00	2.81	93.67												
A-10-67	380	383	3	2.85	95.00	1.86	62.00												
A-10-67	383	386	3	2.84	94.67	2.52	84.00												
A-10-67	386	389	3	2.89	96.33	1.86	62.00												
A-10-67	389	392	3	2.63	87.67	1.38	46.00												
A-10-67	392	395	3	2.93	97.67	2.77	92.33												
A-10-67	395	398	3	2.85	95.00	1.21	40.33												
A-10-67	398	401	3	2.84	94.67	2.3	76.67												
A-10-67	401	404	3	2.77	92.33	1.97	65.67												
A-10-67	404	407	3	2.88	96.00	1.35	45.00												
A-10-67	407	410.57	3.57	2.47	69.19	2.47	69.19												
A-10-67	410.57	413.62	3.05	3.04	99.67	2.2	72.13												
A-10-67	413.62	416.67	3.05	2.72	89.18	1.23	40.33												
A-10-67	416.67	419.71	3.04	2.77	91.12	0.98	32.24												
A-10-67	419.71	422.76	3.05	2.81	92.13	1.47	48.20												
A-10-67	422.76	425.81	3.05	1.51	49.51	0.15	4.92												
A-10-67	425.81	428.86	3.05	2.51	82.30	0.62	20.33												
A-10-67	428.86	431.91	3.05	2.84	93.11	1.64	53.77												
A-10-67	431.91	434.95	3.04	2.87	94.41	0.55	18.09												
A-10-67	434.95	438	3.05	2.93	96.07	2	65.57												
A-10-67	438	441.05	3.05	2.55	83.61	1.16	38.03												
A-10-67	441.05	444.1	3.05	2.43	79.67	0.29	9.51												
A-10-67	444.1	447.15	3.05	2.45	80.33	0	0.00												
A-10-67	447.15	450.2	3.05	2.88	94.43	1.78	58.36												
A-10-67	450.2	453.24	3.04	2.9	95.39	2.59	85.20												
A-10-67	453.24	456.29	3.05	2.79	91.48	0.21	6.89												
A-10-67	456.29	459.34	3.05	2.75	90.16	1.27	41.64												
A-10-67	459.34	462.39	3.05	2.97	97.38	2.08	68.20												
A-10-67	462.39	465.44	3.05	2.87	94.10	1.78	58.36												
A-10-67	465.44	468.48	3.04	2.87	94.41	1.64	53.95												
A-10-67	468.48	471.53	3.05	2.84	93.11	2.3	75.41												
A-10-67	471.53	474.58	3.05	2.97	97.38	2.88	94.43												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-67	474.58	477.63	3.05	3.01	98.69	2.89	94.75												
A-10-67	477.63	480.68	3.05	2.95	96.72	2.28	74.75												
A-10-67	480.68	483.72	3.04	3.06	100.66	2.83	93.09												
A-10-67	483.72	486.77	3.05	2.95	96.72	1.97	64.59												
A-10-67	486.77	489.82	3.05	2.97	97.38	1.94	63.61												
A-10-67	489.82	492.87	3.05	3.03	99.34	2.04	66.89												
A-10-67	492.87	495.92	3.05	2.98	97.85	2.15	70.59												
A-10-67	495.92	498.96	3.05	2.99	98.10	2.77	90.88												
A-10-67	498.96	502.01	3.05	3	98.42	2.01	65.94												
A-10-67	502.01	505.06	3.05	3.02	99.08	2.90	95.14												
A-10-67	505.06	508.11	3.05	2.97	97.44	2.72	89.24												
A-10-67	508.11	511.16	3.05	3.01	98.75	2.62	85.96				.								
A-10-67	511.16	514.20	3.05	2.95	96.78	2.12	69.55												
A-10-67	514.20	517.25	3.05	2.87	94.16	2.15	70.54												
A-10-67	517.25	520.30	3.05	2.91	95.47	2.69	88.25												
A-10-67	520.30	523.35	3.05	3.04	99.74	2.87	94.16												
A-10-67	523.35	526.40	3.05	3.03	99.41	2.40	78.74												
A-10-67	526.40	529.44	3.05	3.02	99.08	3.02	99.08												
A-10-67	529.44	532.49	3.05	3.05	100.06	3.02	99.08												
A-10-67	532.49	535.54	3.05	3.06	100.39	2.51	82.35												
A-10-67	535.54	538.59	3.05	3.03	99.41	2.98	97.77												
A-10-67	538.59	541.64	3.05	3	98.42	2.31	75.79												
A-10-67	541.64	544.68	3.05	3.03	99.41	2.10	68.90												
A-10-67	544.68	547.73	3.05	3.02	99.08	2.64	86.61												
A-10-67	547.73	550.78	3.05	3.05	100.06	2.31	75.79												
A-10-67	550.78	553.83	3.05	3.07	100.72	2.45	80.38												

COAST MOUTAIN GEOLOGICAL LTD.
DRILL HOLE COVER SHEET

PROPERTY: Akie Property

DRILL HOLE #: A-10-68

LOGGED BY: Dave Draeseke, Simon Parada, Cam Norton

COVER SHEET DATE: 13 Aug 2010

DDH COLLAR LOCATION

PROPOSED

DATUM: NAD 83 Zone 10

LOCAL GRID
NORTH:
EAST:
ELEVATION:

UTM CO-ORDS
NORTHING: 6362445
EASTING: 386610
ELEVATION: 1652

SURVEYED

LOCAL GRID
NORTH:
EAST:
ELEVATION:

UTM CO-ORDS
NORTHING:
EASTING:
ELEVATION:

DDH COLLAR ORIENTATION

PROPOSED
AZIMUTH: 50
DIP: -78

SURVEYED
AZIMUTH:
DIP:

DDH LENGTH

PROPOSED
LENGTH: 700

ACTUAL
LENGTH: 808.29

DRILLING INFORMATION

CONTRACTOR: Rodren Drilling
CORE DIAMETER: HQ, NQ
DATE STARTED: 28 June 2010
DATE COMPLETED: 13 July 2010
CAPPED: YES
CASING: YES
UNITS: METRIC: X IMPERIAL X

HOLE OBJECTIVE: To test mineralisation and alteration encounterd in DDH 24, 62, 63 along strike to the NW and at depth.

HOLE SUMMARY: Note: Magnetic Declination is 20.78 degrees to the East
Note: HQ rods are metric and the NQ rods were Imperial
Note: Total of 5 blocking errors in the drill hole.

The drill hole collared into Gunsteel Shale persisting for most of the drill hole to a depth of 657m intercepting massive Py mineralisation from 488 to 614m. The Gunsteel shales are underlain by Paul River shales interbedded with siltstones and debris flows terminating at a depth of 808.29m

DOWN HOLE SURVEY

SURVEY TYPE: REFLEX EZ-SHOT

DISTANCE	AZIMUTH	DIP	ACPTED	COMMENTS
0	50	-78		
24	53.98	-78	Yes	
35	54.48	-78.8	Yes	
93	52.08	-79	Yes	
123	46.08	-78.6	Yes	
153	46.58	-78.3	Yes	
183	N/A	-78.1	No	Erroneous Az
213	52.48	-78.4	Yes	
243	41.28	-76.9	Yes	
279	41.08	-75.4	Yes	
291	40.08	-75.4	Yes	
314	48.18	-74.5	Yes	
323	40.38	-75	Yes	
353	40.78	-74.7	Yes	
388.62	41.78	-74.1	Yes	
419.11	40.18	-72.5	Yes	
449.59	38.18	-71.7	Yes	
480.07	39.18	-71.7	Yes	
510.55	39.08	-71.1	Yes	
541.03	39.48	-71.4	Yes	
571.51	37.98	-71.3	Yes	
601.99	39.28	-71.2	Yes	
632.47	41.28	-71.1	Yes	
662.95	39.38	-71.2	Yes	
693.43	39.18	-71.1	Yes	
723.91	39.28	-71.4	Yes	
754.39	39.38	-71.1	Yes	
784.87	39.38	-71.3	Yes	
812.3	40.38	-71.2	Yes	

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-68	4.5	60	55.5	Dark-grey to black mudtsone with locally disrupted py lenses	Dark-grey to black moderately soft quite graphitic along cleavage planes. Top of the hole has limonitic staining along fractures and cleavages. Localized areas of disrupted and/or discontinuous beds or lenses. Muddy to silty matrix hosting black angular-subrounded silicified mudstone clasts from 0.5-2cm size and angular interlaminated pyritized clast, weakly calcareous. At 42.15-48.20 variably siliceous black to dark-grey sandy silty with <0.5cm angular lithic black mudstone fragments disrupted bedding/layers with regular cleavage at 30-40 to CA. 2% mm sized fragments entirely replaced by coarse brassy pyrite. At 49.50 brassy discontinuous mm pyritic lenses.	2WBX		WFF
A-10-68	60	85.99	25.99	Highly fracture Qtz Healed Fault zone in Gunsteel shale	Black-dark grey carbonaceous mudstone moderately siliceous with graphitic parting along cleavages. With inter-laminated pervasive coarse brassy (Visible with hand lens) py laminations <0.5-2cm. Large irregular qtz-cal veins with silicified rock halos. At 70m there is 10cm section of disrupted mm off white-grey elongated nodular barite beds. Unit is contained with a large Fault zone.	4SH		GSF
A-10-68	85.99	99.4	13.41	Gunsteel Shale with Qtz vienlets alog Cleavage Plane	Black siliceous carbonaceous mudstone with regular mm sized white-translucent qtz veins parallel to cleavage with <1% coarse brassy py. Located at 90.75-91.03 siliceous Light grey fine grained breccia-Debris flow? contains dark-grey <1cm Lithic fragments. At 94-96m are intermittent faint dull brown exhalative py laminations <1cm inter-bedded with black mudstone. End of unit contains a dark-grey-translucent white very siliceous Qtz cal veins predominantly at 50-90 with a secondary cleavage at 10-15 few generations of veining some crosscutting existing veins.	4SH		GSF
A-10-68	99.4	117.17	17.77	Gunsteel shale with intermittent section of Exhalative Py	Moderately competent Black, siliceous carbonaceous mudstone with disseminated brassy py and sections of faint light grey to dull brassy brown exhalative sulphides increasing in width until the end of unit from 10cm-1m. Some faint dull black (can be calcareous) layers containing disseminated coarse grained brassy py 1-3cm typically above the exhalative py-sulphide sections. Last 25cm of unit contains disrupted sulphide beds moderately siliceous with brecciated grey-milky white qtz veins that end abruptly.	4SH	4PYSH	GSF
A-10-68	117.17	141.09	23.92	Gunsteel Shale	Blocky fractured along cleavage planes Black, carbonaceous soft-variably siliceous mudstone with disseminated brassy py <1%. Cleavage becomes perpendicular to CA at 140 and appears to continue down-hole. Rare minor irregular cal-qtz veins with unevenly distributed fine grained brassy py. Variably calcareous sections 130.20-130.55 and 139.25-141 with disseminated py 2%, py is most likely replacing carbonate material.	4SH		GSF
A-10-68	141.09	143	1.91	Angular to subrounded Lithic limestone fragmental	Hard siliceous black mudstone with an intra-fragmental unit, displaying flow structures. 3cm-mm sized subrounded to angular white-dark grey ,possible limestone, lithic fragments increasing in size at the bottom of unit. Cal silica veinlets display py mineralization forming along cleavage plane which have been deformed one white cal vein is shown brecciating the shale matrix.	4FSH		GSF
A-10-68	143	180.5	37.5	Gunsteel Shale	Blocky to poker chippy moderately competent black to dark grey carbonaceous to variably siliceous mudstone with <5% mm in size <5cm sections of fine grained py bands moderately folded but continuous with rare inter-bedded elongated white py replaced nodular barite beds. Cal-silica veins with occasional py replacement parallel to bedding. Located at 169m is a small fine grained py z-fold bed. Lenticular discontinuous beds of vfg py starting at 176 continuing down-hole at irregular intervals <1cm in thickness in <5cm sections inter-bedded with large 1-2m sections of shale.	4SH		GSF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-68	180.5	183.8	3.3	Gunsteel Shale with inter-bedded Wavy Pyrite replaced Nodular Barite	Black carbonaceous siliceous mudstone with inter-laminated undulating mm sized elongated(boudinaged?) brassy brown nodular barite almost entirely replaced by py inter-bedded with black siliceous shale and intermixed with wavy discontinuous brassy py lenses (Possibly boudinaged) small <5% white to translucent qtz-cal veinlets parallel to cleavage and bedding some demonstrate minor extensional vein structures.	4BSH		GSF
A-10-68	183.8	209.25	25.45	Gunsteel Shale	Black carbonaceous mudstone with <1% disseminated py inter-bedded with minor <1cm wide <5cm sections of coarse grained py beds and rare nodular barite. Core is highly fractured well developed to blocky and poker chipped with large sections of gouge and healed gouge and pervasive 5cm-1m wide white-grayish white qtz-cal veins with several generations of veining irregular to parallel to cleavage very little mineralization. Graphitic sheen along partings with slicken-sides.	4SH		GSF
A-10-68	209.25	215.03	5.78	Nodular Braite	Abundant beds of dull white mm elongated nodular barite <3cm section with inter-laminated light grey dull white bedded barite with dull brassy Lenticular py. Very fine laminations of <0.5cm sections of bedded barite inter-bedded with black carbonaceous siliceous mudstone with <1% disseminated py <0.5cm sections, and rare brassy Lenticular py beds. Rare <1cm bedded barite being replaced by fine grained disseminated brassy py. At 210.65 dull grey calcareous 35cm altered section with possible relic bedding of nodular barite (Possible concretion?). Highly brecciated and calcareous 20cm section. Moderately competent core with regular cleavage parallel to bedding 60 to CA.	4BSH		GSF
A-10-68	215.03	237.55	22.52	Gunsteel shale	Poker chip black carbonaceous variably siliceous mudstone with regular cleavage from 50-70 to CA displays finely brassy disseminated py <1%. Inter-bedded with regular intermittent fine grained light grey-brown py laminations <1% to trace. Contains massive qtz-cal veining and veinlets throughout the unit with no specific cleavage angle typically associated with fault gouge/ruble.	4SH		GSF
A-10-68	237.55	243.7	6.15	Faint Massive beds of Py inter-bedded with black carbonaceous shale	Faint dull brassy brown massive exhalative py 0.5cm-mm width inter-bedded with mm beds of dark-grey to black carbonaceous mudstone with coarser grained py that displays a planer fabric. Massive Py beds are 5-10cm separated by 30cm black shale inter-beds.	4MPSH		GSF
A-10-68	243.7	257.52	13.82	Brecciated Black to Dark grey mudstone with minor Sulphides	Black carbonaceous variably siliceous mudstone with fine grained disseminated brassy py <1%. Rare angular clasts entirely replaced by fine grained brassy py. Pervasive White-off white qtz-cal vein-veinlet <5cm to mm in size variably calcareous that brecciate the host rock with trace visible reddish brown sphalerite, veins orientated 30-45 to CA and/or conformable to disrupted to folded layers. At 255.57m Fine grained massive brassy py, possible replacement of nodular barite, subrounded-globular clast? within close proximity of each other. Core is moderately competent with fissile sections, Cleavage generally at 55 to CA.	4SH		GSF
A-10-68	257.52	272.43	14.91	Gunsteel shale with minor inter-laminted nodular barite	Black carbonaceous variably siliceous mudstone with trace fine grained disseminated py. Scattered trace <1cm faint nodular barite laminations with +/- py replacement, occasionally deformed associated with vfg faint light silty laminations mm in size to <3cm sections. Displaying <1cm white-grey qtz-cal veinlets conformable to cleavage containing rare reddish brown-beige coarse grained sphalerite, at 263.73 pervasive sphalerite mineralization (40%) within 3cm vein. At 261.75-261.79 Possible erosional contact with brecciation on the down-hole side with occasional lithic fragments containing host rock as well. 70 Replaced by disseminated py. Three 2-5cm py replaced siliceous concretions located 1m after possible erosional contact.	4SH	4BSH	GSF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-68	272.43	290.58	18.15	Gunsteel Shale with Laminated Pyrite	Competent Black carbonaceous variably siliceous mudstone with fine grained disseminated brassy py <1% inter-bedded with vfg dull brown (Exhalative?) py laminations. First 5m of unit contains black featureless mudstone with scattered <0.5cm qtz-cal irregular veinlets. Py laminations occur every 0.5-1 with 5-15cm sections of bedded py inter-laminated with white-dull white mm sized nodular barite with py replaced centers these beds are inter-bedded with 1-3cm featureless carbonaceous mudstone (In sequence py lam<2cm-nodular barite<1cm-Black mudstone<1-3cm, repeated). Semi-visible faint greyish mm laminations with dissminated py scattered in-between mineralized intervals <2%. Rare irregular <1cm qtz-cal veinlets scattered throughout the unit with minor disseminated brassy py.	4PYSH		GSF
A-10-68	290.58	301.1	10.52	Gunsteel shale	Black carbonaceous mudstone with trace disseminated py. Competent core with a dominant cleavage a 20-35. Located at 294.7-295.15m are two <5cm sub-rounded clasts with brassy fine grained py replacement around exterior and within the clast, total replacement 50%.	4SH		GSF
A-10-68	301.1	452.2	151.1	Gunsteel shale with scattered Nodular barite beds	Black carbonaceous variably siliceous mudstone with steep cleavages. Contains <1cm scattered <5cm sections of white <0.5cm variably calcareous with fine grained brassy py replaced nodular barite associated with weak light grey laminations inter-bedded with faint dull brown mm py laminations. Mineralized sections are separated by large 1-2m black shale sections total mineralization trace-<1%. From 394m down hole are rare 2-10cm typically 2-5cm Round to oval concretions. Concretions display occasional dehydration fractures or shrinkage fractures? typically replaced by brassy disseminated py. 403.30-403.94 vfg grey-dull white <1cm calcaerous silty laminations inter-bedded with black shales. At 446.31-446.81 Greyish black limy muds with faint calcareous silty laminations.	4SH	4BSH	GSF
A-10-68	452.2	463.37	11.17	Laminated pyrite inter-bedded with nodular barite	Black carbonaceous mudstone with 2-10cm beds of nodular barite associated with vfg faint py beds. Cabonate rimed py replaced center nodular barite and dull brown to brassy py laminations increase in concentration down-hole. Sections of of mineralization are typically 1m in length with inter-bedded carbonaceous shale, over a 1m total mineralization equals 15% where 60 of sulpides would be py and 40% barite. Mineralized sections are separated by 0.5-1m featureless black shale inter-beds. Rare 2-5cm round to oval concretions. Concretions display occasional dehydration fractures or shrinkage fractures? typically replaced by brassy disseminated py. Bedding angles range from 100-120 to CA.	4PYSH		GSF
A-10-68	463.37	472.8	9.43	Gunsteel Shale	Black carbonaceous variably siliceous featureless mudstone.	4SH		GSF
A-10-68	472.8	478.28	5.48	Laminated pyrite inter-bedded with nodular barite	Black carbonaceous mudstone with 2-10cm beds of nodular barite associated with vfg faint py beds. Cabonate rimed py replaced center nodular barite and dull brown to brassy py laminations increase in concentration down-hole. Sections of of mineralization are typically 1m in length with inter-bedded carbonaceous shale, over a 1m total mineralization equals 15% where 60 of sulpides would be py and 40% barite. Mineralized sections are separated by 0.5-1m featureless black shale inter-beds. Rare 2-5cm round to oval concretions. Concretions display occasional dehydration fractures or shrinkage fractures? typically replaced by brassy disseminated py. Bedding angles range from 100-120 to CA.	4PYSH		GSF
A-10-68	478.28	481.47	3.19	Gunsteel Shale	Black carbonaceous variably siliceous featureless mudstone.	4SH		GSF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-68	481.47	483.11	1.64	Laminated pyrite inter-bedded with nodular barite	Black carbonaceous mudstone with 2-10cm beds of nodular barite associated with vfg faint py beds. Cabonate rimed py replaced center nodular barite and dull brown to brassy py laminations sections of mineralization are typically 1m in length with inter-bedded carbonaceous shale, over a 1m total mineralization equals 15% where 60 of sulpides would be py and 40% barite. Mineralized sections are separated by 0.5-1m featureless black shale inter-beds. Rare 2-5cm round to oval concretions. Concretions display occasional dehydration fractures or shrinkage fractures? typically replaced by bras disseminated py. Bedding angles range from 100-120 to CA.	4PYSH		GSF
A-10-68	483.11	488.35	5.24	Gunsteel Shale	Black carbonaceous variably siliceous featureless mudstone.	4SH		GSF
A-10-68	488.35	517.37	29.02	Massive Beds of inter-laminated Py with minor nodular barite	Black carbonaceous variably siliceous mudstone with 15-20cm py inter-laminated beds. Mineralized sections are up to 40cm with less than 4cm shale inter-beds separated by 0.5-1m featureless shale sections. Minerarlized sections are thinly laminated with abundant dull brown brassy py inter-laminated with dull white nodular barite and black carbonaceous mudstone. The nodular barite is variably calcareous with py replaced centers and there is significantly less barite than the previous 4PYSH unit from 483.11-488.35m, less than 5% in total mineralization. Scattered throughout unit are black-dark gre round to oval calareous less than 5cm, typically 0.5-2cm, concretions. Located at 514.60cm 5cm sub-rounded clast which displays an irregular contact with the host rock along the contact are fine grained brassy py. Within the clast is a dark-grey to black disrupted fine grained angular to sub-rounded 4cm calcareous sandstone? boarding along the sandstone clast are finely inter-laminated steel-grey to brown sulphides, sphalerite and pyrite?(Where did this come from?).	4MPSH		GSF
A-10-68	517.37	523.41	6.04	Gunsteel Shale	Black carbonaceous variably siliceous featureless mudstone. Last 30cm contains <1cm black-dark grey calcareous calcite rimmed concretions.	4SH		GSF
A-10-68	523.41	533.28	9.87	Massive Beds of inter-laminated Py with minor nodular barite	Black carbonaceous variably siliceous mudstone with 0.2-1m finely laminated py with inter-laminated nodular barite. Mineralized sections are up to 1m in width with inter-bedded <5cm shale beds separated by 0.5-1m featureless shale sections. Mineralized sections are thinly laminated with abundant dull brown brassy py inter-laminated with dull white nodular barite and black carbonaceous mudstone, rare steel grey thinly laminated sulphides (Sphalerite?). Nodular barite can be vfg to <0.5cm calcite rimmed with coarse brassy py replaced centers <2% of total Mineralized beds. Rare round black-dark grey calcareous concretions with calcite rims. Bedding orientated at 145-155 to CA.	4MPSH		GSF
A-10-68	533.28	541.13	7.85	Gunsteel Shale	Black carbonaceous variably siliceous featureless mudstone.	4SH		GSF
A-10-68	541.13	554	12.87	Massive Beds of inter-laminated Py with minor nodular barite	Black carbonaceous mudstone with fine bedded dull brassy vfg py with silt beds and elongated nodular barite with true thicknesses of 5-10cm. Nodular barite contains py replacement. Laminated py beds are interbedded with 1-2 meter lengths of carbonaceous mudstone. Py beds are oriented 165-170 degrees TCA. Mineralized sections are almost parallel TCA and therefore there are sections of up to 5 meters of mineralization. Some fine laminations of light grey beds. Possible sph.	4MPSH		GSF
A-10-68	554	565.41	11.41	Gunsteel shale	Black carbonaceous variably siliceous featureless mudstone. Last 30cm contains <1cm black-dark grey calcareous calcite rimmed concretions.	4SH		GSF
A-10-68	565.41	592.42	27.01	Massive Beds of inter-laminated Py with minor nodular barite	Black carbonaceous mudstone with fine bedded dull brassy vfg py with silt beds and elongated nodular barite with true thicknesses of 5-10cm. Nodular barite contains py replacement. Laminated py beds are interbedded with 1-2 meter lengths of carbonaceous mudstone. Py contained in undulating beds sub-parallel TCA.	4MPSH		GSF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-68	592.42	595.05	2.63	Gunsteel Shale	Black mudstone, mildly siliceous with mm scale dull brassy py beds with grey silty laminations. Calcite is confined to a 5cm vein-like concretion "cloud" with irregular but sharp contact with noncardonaceous mudstone at 594.27m	4SH		GSF
A-10-68	595.05	614.38	19.33	Beds of py with vivid to faded nodular barite partially replaced by py	Black mudstone with dull brassy py with dull to vivid nodular barite with grey calcareous silty interlaminations. A chert bed was observed at 602.12 that is 1cm thick and irregular but conformable to bedding and fractured and infilled with calcite.	4MPSH		GSF
A-10-68	614.38	629.57	15.19	Gunsteel Shale	Black mudstone with rare py replaced nodules.	4SH		GSF
A-10-68	629.57	656.63	27.06	Beds of py with faded to vivid abundant nodular barite ranging from partially to minimally replaced by py	Interval begins with bright diseminated py in conformable beds with shale interlaminations grading into 1cm vfg py beds with dull nodular barite grading into white nodular barite with partial py replacement cores. Barite beds have 0.5m to 1.5m interbeds of non-calcareous very mildly siliceous mudstone. Barit becomes abundant at 645.28m. As barite becomes abundant, py replacement becomes slight to rare. Nodular barite population becomes dense creating almost continuous undulose beds that grade from white with distinct boudaries to pale non-distinct grey-white blebs.	4MBSH		GSF
A-10-68	656.63	671.35	14.72	Paul River black shale	Back non-carbonaceous shale with light grey carbonaceous mm-0.5cm scale silty laminations. Dull brassy faded py beds that are vfg to visible py grains. The end of interval contains small bands, 1cm-5cm, of light grey calcareous limestone. Mm wide silty laminations rich with py with density 1 per ~5cm	5SS	5BXLS	PRF
A-10-68	671.35	673.26	1.91	Brecciated Limestone	Dark-grey to white calcareous brecciated limestone with angular to subrounded mm to 5 cm clasts of sandstone and limestone with sharp lower contact with black shale.	5BXLS	5SS	PRF
A-10-68	673.26	701.95	28.69	Paul River black shale	Black shale with fine mm-1cm laminations of py and silt with abundant secondary py with an 11 cm brecciated limestone at 676.25m-676.36m with ba sharp upper and lower contact	5SS	5BXLS	PRF
A-10-68	701.95	708.02	6.07	Paul River Brecciated Limestone	Light grey limestone with bioclasts dominates the lithology to with up to intraformational mudstone lenths.	5BXLS		PRF
A-10-68	708.02	713.5	5.48	Paul River black shale	Mudstone contains 1cm wide beds of chert (Porcellanite) at 713m also 1.5cm light grey silty beds that combine for up to 7cm lengths features.	5SS	5BXLS	PRF
A-10-68	713.5	733.05	19.55	Paul River Brecciated Limestone	Dark to light grey with clasts of white-gray limestone. Clasts up to 10cm in diameter. Clast size gradually decreases downhole to ~sub cm in diameter. Unit is interbedded with secondary beds of py replacing calcite beds. Over length of unit have ~1-2 cm wide clasts of secondary pyrite replacing calcite with up to 95% replacement at a density ~ 10 per meter. Gradational lower contact.	5BXLS	5SH	PRF
A-10-68	733.05	808.29	75.24	Paul River black shale	Black mudstone locally interbedded with secondary py replacing calcite. Mm to sub mm wide calc-silicate stingers with low angle with an average density of 2 per meter. Calcite nodules being replaced with secondary py with up to 95% replacement at an average density of ~10 per meter. Common vrein that brecciate host rock.	5SH		PRF
					END OF HOLE			

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	ALT	INTENSITY
A-10-68	511.9	512.15	0.25	Light white- grey highly siliceous mudstone assoiciated with qtz-cal veins . White vivid boundaries.	SIL	80
A-10-68	597.75	600.12	2.87	Light white- grey highly siliceous mudstone assoiciated with qtz-cal veins . Boundaries fade from light grey to dark grey in a step wise gradation. Lighter in center of interval and darker at edges.	SIL	85

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	PY %	SP %	GA %	BA %	CP %	PO %
A-10-68	4.5	60	55.5	Muddy to silty matrix hosting black angular-subrounded silicified mudstone clasts from 0.5-2cm in size and angular interlaminated pyritized clast, weakly calcareous.	2					
A-10-68	42.15	48.2	6.05	2% mm sized fragments entirely replaced by coarse brassy pyrite.	<1					
A-10-68	49.5	60	10.5	Brassy discontinuous interrupted mm-5cm pyritic lenses.	1					
A-10-68	93.35	96	2.65	Dull brown Brassy <1cm exhalative py laminations						
A-10-68	99.4	117.7	18.3	faint light grey to dull brassy brown exhalative sulphides increasing in width until the end of unit from 10cm-1m. Some faint dull black (can be calcareous) layers containing disseminated coarse grained brassy py 1-3cm typically above the exhalative py-sulphide sections. <1% brassy disseminated py.	11					
A-10-68	143	180.55	37.55	Scattered weak <10cm beds of fine grained py moderately folded but continuous. Lenticular beds of vfg py at 176 continuing down-hole	5			Tr		
A-10-68	180.5	183.8	3.3	Inter-laminated undulating mm sized elongated(boudinaged?) brassy brown nodular barite almost entirely replaced by py inter-bedded with black siliceous shale and intermixed with wavy discontinuous brassy py lenses (Possibly boudinaged).	15			2		
A-10-68	209.25	215.03	5.78	Abundant beds of dull white mm elongated nodular barite <3cm section with inter-laminated light grey dull white bedded barite with dull brassy Lenticular py. Very fine laminations of <0.5cm sections of bedded barite inter-bedded with black carbonaceous siliceous mudstone with <1% disseminated py <0.5cm sections, and rare brassy Lenticular py beds. Rare <1cm bedded barite being replaced by fine grained disseminated brassy py.	5			20		
A-10-68	237.55	243.7	6.15	Faint dull brassy brown massive exhalative py 0.5cm-mm width inter-bedded with mm beds of dark-grey to black carbonaceous mudstone with coarser grained py that displays a planer fabric. Massive Py beds are 5-10cm separated by 30cm black shale inter-beds.	15					
A-10-68	257.52	277.3	19.78	Scattered trace <1cm faint nodular barite laminations with +/- py replacement. At 263.73 pervasive sphalerite mineralization (40%) within 3cm vein.	2	Tr		1		
A-10-68	272.43	290.58	18.15	Py laminations occur every 0.5-1m with 5-15cm sections of bedded py inter-laminated with white-dull white mm sized nodular barite with py replaced centers these beds are inter-bedded with 1-3cm featureless carbonaceous mudstone (In sequence py lam<2cm-nodular barite<1cm-Black mudstone<1-3cm, repeated). Semi-visible faint greyish mm laminations with dissminated py scattered in-between mineralized intervals <2%.	2			2		
A-10-68	452.2	463.37	11.17	Cabonate rimed py replaced center nodular barite and dull brown to brassy py laminations increase in concentration down-hole. Sections of of mineralization are typically 1m in length with inter-bedded carbonaceous shale, over a 1m total mineralization equals 15% where 60 of sulpides would be py and 40% barite. Mineralized sections are separated by 0.5-1m featureless black shale inter-beds. Bedding angles range from 100-120 to CA.						

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	PY %	SP %	GA %	BA %	CP %	PO %
A-10-68	472.8	478.28	5.48	Cabonate rimed py replaced center nodular barite and dull brown to brassy py laminations sections of mineralization are typically 1m in length with inter-bedded carbonaceous shale, over a 1m total mineralization equals 15% where 60 of sulpides would be py and 40% barite. Mineralized sections are separated by 0.5-1m featureless black shale inter-beds.	3			2		
A-10-68	481.47	483.11	1.64	Cabonate rimed py replaced center nodular barite and dull brown to brassy py laminations sections of mineralization are typically 1m in length with inter-bedded carbonaceous shale, over a 1m total mineralization equals 15% where 60 of sulpides would be py and 40% barite. Mineralized sections are separated by 0.5-1m featureless black shale inter-beds.	10			5		
A-10-68	488.35	517.37	29.02	Mineralized beds are up to 40cm with less than 4cm shale inter-beds separated by 0.5-1m featureless shale sections. Minerarlized sections are thinly laminated with abundant dull brown brassy py inter-laminated with dull white nodular barite and black carbonaceous mudstone.	35	Tr		5		
A-10-68	523.41	533.28	9.87	Mineralized sections are up to 1m in width with inter-bedded <5cm shale beds separated by 0.5-1m featureless shale sections. Mineralized sections are thinly laminated with abundant dull brown brassy py inter-laminated with dull white nodular barite and black carbonaceous mudstone, rare steel grey thinly laminated sulphides (Sphalerite?).	28	1		2		
A-10-68	541.13	554	12.87	Finely laminated py with abundant nodular barite bedded sub-parallel TCA. Nodular barite is elongated and crenulation fabric is observed oriented 193 degrees at 552.72m. 1 cm bands of black mudstone contain nodular barite that resemble concretions but are not reactive to HCL.	30			5		
A-10-68	565.41	570.73	5.32	Finely laminated py with abundant nodular barite bedded sub-parallel TCA. Nodular barite is elongated. Thin beds of black mudstone are contained within the py beds.	70			2		
A-10-68	573.05	592.42	19.37	Finely laminated vfg py and light grey silty laminations with nodular barite in undulating beds. 1cm to .5m mudstone sections separate the mineralised beds.	60			2		
A-10-68	595.05	614.38	19.33	Finely laminated py with very liitle nodular barite at beginning of interval and grades into a stronger presence through middle and fades at end. 0.5 meter to 1 meter interbeds of mildly siliceous mudstone.	40			2		
A-10-68	629.57	656.63	27.06	Cubic py at beginning of interval that is diseminated along faint vfg py beds. Mineralisation grades into abundant white nodular barite with abundant fine 0.05cm laminations of py and grey silty beds. Barite grades into faded almost continuous beds that are faint grey-white. Core appears almost solid grey-white with darker grey bands.	40	Tr		20		
A-10-68	656.63	701.95	45.32	Black shale with beds of diseminated py in regular in high density and slightly grades to lower density over the interval.	25					
A-10-68	781.74	781.8	0.06	Black shale interlaminated with semi-massive fine grained py	60					
A-10-68	802.88	802.9	0.02	lense of massive diseminated py	70					
A-10-68	805	805.01	0.01	parallel TCA py replacing calcite	75					
A-10-68	806.78	806.8	0.02	Massive bed of finely diseminated py	90					

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-68	6.2	6.21	0.01	Cleavage	CLV	40
A-10-68	9	9.01	0.01	Cleavage	CLV	40
A-10-68	9.3	9.31	0.01	Cleavage	CLV	30
A-10-68	11.1	11.11	0.01	Cleavage	CLV	40
A-10-68	12.4	12.41	0.01	Cleavage	CLV	60
A-10-68	13.5	13.51	0.01	Cleavage	CLV	40
A-10-68	14.2	14.21	0.01	Cleavage	CLV	60
A-10-68	15	15.01	0.01	Cleavage	CLV	40
A-10-68	18	18.01	0.01	Cleavage	CLV	40
A-10-68	20.2	20.21	0.01	Cleavage	CLV	40
A-10-68	20.9	20.91	0.01	Cleavage	CLV	35
A-10-68	22.5	22.51	0.01	Cleavage	CLV	40
A-10-68	23.9	24.3	0.4	Poker chipped-Blocky with healed gouge affected over 40cm	FLT	
A-10-68	25.65	25.75	0.1	Well developed fault gouge over 10cm very fine	FLT	
A-10-68	27.78	27.88	0.1	Blocky not well developed fault	FLT	
A-10-68	28.77	28.78	0.01	Cleavage	CLV	35
A-10-68	28.9	29.7	0.8	Blocky poker chip core not very developed with moderate gouge.	FLT	
A-10-68	30	30.01	0.01	Cleavage	CLV	30
A-10-68	32	32.01	0.01	Cleavage	CLV	40
A-10-68	32.75	32.76	0.01	Cleavage	CLV	35
A-10-68	32.76	32.77	0.01		BDG?	35
A-10-68	34.36	34.37	0.01	Cleavage	CLV	35
A-10-68	34.37	34.38	0.01		BDG?	35
A-10-68	36	36.01	0.01	Cleavage	CLV	35
A-10-68	36.38	36.39	0.01	Cleavage	CLV	35
A-10-68	36.39	36.4	0.01		BDG?	35
A-10-68	38.29	38.3	0.01		BDG?	30
A-10-68	39.1	39.11	0.01	Cleavage	CLV	40
A-10-68	39.78	39.79	0.01	Cleavage	CLV	35
A-10-68	41.8	41.81	0.01	Cleavage	CLV	35
A-10-68	43	43.01	0.01	Cleavage	CLV	30
A-10-68	43.87	43.88	0.01	Cleavage	CLV	30
A-10-68	44.8	44.81	0.01	Cleavage	CLV	35
A-10-68	46	46.01	0.01	Cleavage	CLV	35
A-10-68	47.5	47.1	-0.4	Cleavage	CLV	40
A-10-68	49.7	49.71	0.01	Cleavage	BDG	40
A-10-68	50.6	50.61	0.01	Cleavage	CLV	35
A-10-68	50.8	50.81	0.01	Lenticular py bed 0.5cm	BDG	40
A-10-68	52.8	52.81	0.01	Cleavage	CLV	35
A-10-68	53.5	53.51	0.01	Cleavage	CLV	45

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-68	52.5	89	36.5	Highly faulted throughout displaying well developed gouge 10-15cm and 20cm healed gouge sections. 63.5-69 highly fractured-blocky and gouged just busted. The upper and lower bounds of the fault zone are siliceous displaying large qtz-cal veins (healed fault sections) possible prior generations of fault activity, 63.5-69 being the most recent. Cleavage measurements within fault zone at; 56m 50 to CA, 62.7m 50 to CA, 81.5m 15 to CA.	FLT	
A-10-68	90.15	90.16	0.01	Discontinuous Barite	BDG	30
A-10-68	90.65	90.66	0.01	Discontinuous Barite	BDG	30
A-10-68	90.66	90.67	0.01	Cleavage	CLV	30
A-10-68	92.7	92.71	0.01	Cleavage	CLV	35
A-10-68	92.71	92.72	0.01	Minor sulphides	BDG	35
A-10-68	94.8	94.81	0.01	Cleavage	CLV	75
A-10-68	99	99.75	0.75	Broken blocky core not very developed	FLT	
A-10-68	100.05	100.06	0.01	Py lams	BDG	65
A-10-68	101.1	101.11	0.01	Cleavage	CLV	130
A-10-68	102.45	102.46	0.01	Py lams	BDG	60
A-10-68	102.6	102.61	0.01	Cleavage	CLV	60
A-10-68	103.1	103.11	0.01	Cleavage S2	CLV	145
A-10-68	104	104.01	0.01	S3 Perpendicular to CA dipping 15 down hole	CLV	15
A-10-68	105.6	105.61	0.01	Cleavage S2	CLV	140
A-10-68	106.75	106.76	0.01	Faint laminated py	BDG	50
A-10-68	107.5	107.51	0.01	Faint laminated py	BDG	60
A-10-68	109.14	109.15	0.01	Faint Py lam. Over turned bed starting at 60 CA going to 160 to CA	BDG	160
A-10-68	112.75	112.76	0.01	Cleavage	CLV	20
A-10-68	115	115.01	0.01	Faint laminated py	BDG	45
A-10-68	116.06	116.07	0.01	Cleavage	CLV	35
A-10-68	116.7	116.71	0.01	Faint laminated py	BDG	70
A-10-68	123.7	124.2	0.5	Blocky ruble very little developed gouge	FLT	
A-10-68	125.3	125.31	0.01	Cleavage	CLV	15
A-10-68	126.85	126.86	0.01	Cleavage	CLV	20
A-10-68	128.7	128.71	0.01	Cleavage	CLV	15
A-10-68	130	130.16	0.16	Fault. Semi healed gouge- poker chip.	FLT	
A-10-68	130.85	133.6	2.75	Very Blocky broken up core with immature gouge.	FLT	
A-10-68	140.09	140.1	0.01	Perpendicular cleavage to CA	CLV	0
A-10-68	147.75	147.76	0.01	Perpendicular cleavage to CA	CLV	0
A-10-68	147.76	147.77	0.01	Disrupted z-fold beds composed of fine grained py	BDG	90
A-10-68	154.05	157.9	3.85	Fault zone. Blocky angular and with undeveloped fault gouge.	FLT	
A-10-68	158.1	158.11	0.01	Fine grained py at 55 or 145 orientation of core is unknown.	BDG	55
A-10-68	158.11	158.12	0.01	Perpendicular cleavage to CA	CLV	0

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-68	158.8	159.5	0.7	Fault. Blocky 0.5-4cm sized ruble very little fault gouge	FLT	
A-10-68	159.5	159.51	0.01	Cleavage	CLV	5
A-10-68	160.7	160.71	0.01	Fine grained py at 35 or 125 orientation of core is unknown.	BDG	35
A-10-68			0	Discontinuous beds/lenses of fine grained py 5 or 175 to CA orientation of core is unknown	BDG	5
A-10-68	163.03	164.32	1.29	Blocky larger bits no gouge	FLT	
A-10-68	165.5	165.51	0.01	Fine grained py at 60 or 150 orientation of core is unknown.	BDG	150
A-10-68	166.16	175.4	9.24	Healed fault. Large qtz healed with moderately developed gouge at end of section.		
A-10-68	176	176.01	0.01	Discontinuous lenticular py	BDG	5
A-10-68	176.4	176.41	0.01	Cleavage	CLV	60
A-10-68	178.5	178.51	0.01	Cleavage	CLV	
A-10-68	182.4	182.41	0.01	Py replaced nodular barite	BDG	
A-10-68	183.8	209.25	25.45	Fault zone. Core is highly fractured well developed to blocky and poker chipped with large sections of gouge and healed gouge and pervasive 5cm-1m wide white-grayish white qtz-cal veins with several generations of veining roughly 30 to CA . Graphitic sheen along partings with slicken-sides. Becomes more poker chippy near end of zone 60 to CA.	FLT	
A-10-68	209.6	209.61	0.01	Nodular barite	BDG	60
A-10-68	210.1	210.11	0.01	Barite bed with py replacement	BDG	30
A-10-68	212.2	212.21	0.01	Lenticular py	BDG	60
A-10-68	212.3	212.31	0.01	Cleavage	CLV	60
A-10-68	212.4	212.41	0.01	Nodular barite	BDG	60
A-10-68	212.8	212.81	0.01	Barite bed with py replacement	BDG	70
A-10-68	213.45	213.5	0.05	Minor fault gouge fractured core	FLT	
A-10-68	214.5	214.75	0.25	Immature gouge blocky	FLT	
A-10-68	214.75	214.76	0.01	Cleavage	CLV	60
A-10-68	215.25	216.3	1.05	Some developed gouge, blocky with graphitic partings	FLT	
A-10-68	217.75	217.76	0.01	Sparse nodular barite	BDG	70
A-10-68	217.95	217.96	0.01	Cleavage	CLV	65
A-10-68	219.25	219.45	0.2	Fault. Blocky angular. Absent of gouge	FLT	
A-10-68	222.1	222.3	0.2	Fault. Broken along cleavage angular to blocky	FLT	
A-10-68	224.1	224.11	0.01	Cleavage	CLV	75
A-10-68	224.9	224.91	0.01	Barite bed with py replacement	BDG	80
A-10-68	225.75	230.4	4.65	Large Fault zone. Healed fault gouge sections <10cm with blocky core at start of unit and the bottom intermixed with large 1.50-2m sections of Poker chips shale in the middle of the fault zone. Healed fault section display Qtz-cal veins-veinlets. Irregular cleavage 1 taken at 75 to CA also display graphitic sheen.	FLT	

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-68	231.6	232	0.4	Healed fault gouge inter-mixed with gouge. Blocky disks at 1-3cm	FLT	
A-10-68	233.14	233.15	0.01	Cleavage	CLV	75
A-10-68	233.65	233.66	0.01	Cleavage	CLV	60
A-10-68	233.95	234.05	0.1	Graphitic slicken-sides-sides with ruble	FLT	
A-10-68	234.3	234.31	0.01	Vfg laminations of py	BDG	70
A-10-68	235.5	236.9	1.4	Angular ruble with inter-mixing fault gouge and some blocks of healed fault gouge.	FLT	
A-10-68	237.2	237.21	0.01	Cleavage	CLV	60
A-10-68	237.65	237.66	0.01	Disseminated bedded py	BDG	60
A-10-68	238.5	238.51	0.01	faint vfg bedded py	BDG	60
A-10-68	238.9	239	0.1	Blocky shale bits with minor gouge	FLT	
A-10-68	239.83	239.84	0.01	Cleavage	CLV	60
A-10-68	240.43	240.44	0.01	Finely disseminated py bed	BDG	70
A-10-68	241	241.01	0.01	barite with py replacement	BDG	70
A-10-68	242.6	242.75	0.15	Blocky angular ruble	FLT	
A-10-68	243.5	244.3	0.8	Blocky angular fault ends with minor fault gouge	FLT	
A-10-68	246.95	246.96	0.01	Cleavage	CLV	55
A-10-68	247.55	249	1.45	Large blocks of healed fault gouge inter-mixed with well developed fine fault gouge	FLT	
A-10-68	253.6	253.61	0.01	Fault with moderately developed gouge	FLT	
A-10-68	254.1	254.6	0.5	Healed fault with moderately developed gouge	FLT	
A-10-68	255	255.05	0.05	Blocky fault core with moderately developed gouge	FLT	
A-10-68	256.22	256.23	0.01	Cleavage	CLV	35
A-10-68	258.25	258.26	0.01	Nodular barite with py replacement	BDG	35
A-10-68	258.75	258.76	0.01	Cleavage	CLV	30
A-10-68	258.85	258.86	0.01	Very fine wispy nodular barite beds	BDG	20
A-10-68	259.05	259.06	0.01	Nodular barite with py replacement	BDG	45
A-10-68	259.4	259.41	0.01	Vfg disseminated py in barite bed?	BDG	40
A-10-68	259.9	259.91	0.01	Vfg disseminated py in barite beds?	BDG	20
A-10-68	260.7	260.71	0.01	Nodular barite bed	BDG	60
A-10-68	261	261.05	0.05	Blocky to pebbly	FLT	
A-10-68	261.5	261.55	0.05	Disrupted bedding plane with disseminated py in wispy beds of py and nodular barite	BDG	35
A-10-68	261.75	261.79	0.04	Possible erosional contact with brecciation on the down-hole side with occasional lithic fragments with host rock as well. 70% Replaced by disseminated py.	CONTACT	50
A-10-68	264.41	264.46	0.05	Blocky pebbles moderate gouge	FLT	30
A-10-68	266.1	266.11	0.01	Nodular barite	BDG	60
A-10-68	266.65	266.66	0.01	Cleavage	CLV	30
A-10-68	267.4	267.41	0.01	Sparse nodular barite	BDG	60
A-10-68	268.05	268.06	0.01	Nodular barite with py replacement	BDG	50
A-10-68	269.2	269.21	0.01	vfg py bed	BDG	60
A-10-68	269.6	269.61	0.01	Cleavage	CLV	40

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-68	269.75	269.76	0.01	Vfg thinly bedded py	BDG	35
A-10-68	271.61	271.64	0.03	Few blocks with moderately developed gouge	FLT	
A-10-68	274.2	274.21	0.01	Cleavage	CLV	30
A-10-68	275	275.01	0.01	Cleavage	CLV	40
A-10-68	277.8	277.96	0.16	Variably calcareous fine grained sandstone bed?	BDG	150
A-10-68	278.15	278.16	0.01	Nodular barite with py replacement with thinly laminated py	BDG	150
A-10-68	280.69	280.7	0.01	Cleavage	CLV	40
A-10-68	280.39	280.4	0.01	Nodular barite with vfg laminated py	BDG	150
A-10-68	281.6	281.61	0.01	Nodular barite with vfg laminated py	BDG	175
A-10-68	282.57	282.58	0.01	Cleavage	CLV	30
A-10-68	283.05	283.06	0.01	Nodular barite with py replacement with thinly laminated py	BDG	165
A-10-68	283.55	283.56	0.01	Cleavage	CLV	30
A-10-68	283.75	283.76	0.01	Vfg laminated py which appears to be reverse graded with minor nodular barite	BDG	155
A-10-68	284.44	284.45	0.01	Nodular barite with mm laminar py	BDG	150
A-10-68	285.1	285.11	0.01	Very fine py bed	BDG	155
A-10-68	286.5	286.51	0.01	Nodular barite bed with py replacement and vfg laminated py	BDG	160
A-10-68	287.4	287.41	0.01	Nodular barite and vfg laminated py beds	BDG	160
A-10-68	288	288.01	0.01	Nodular barite and vfg laminated py beds	BDG	165
A-10-68	289.3	289.31	0.01	Nodular barite and vfg laminated py beds	BDG	165
A-10-68	289.85	289.86	0.01	Cleavage	CLV	25
A-10-68	291.75	291.76	0.01	Cleavage	CLV	20
A-10-68	292.65	292.66	0.01	Cleavage	CLV	20
A-10-68	294.7	294.71	0.01	Cleavage	CLV	25
A-10-68	295.3	295.31	0.01	Cleavage	CLV	35
A-10-68	298.2	298.21	0.01	Cleavage	CLV	36
A-10-68	302.55	302.56	0.01	Nodular barite and vfg laminated py beds	BDG	160
A-10-68	305.35	305.36	0.01	Fine laminated sulphides wuth nodulsr barite	BDG	150
A-10-68	308.08	308.09	0.01	Nodular barite	BDG	130
A-10-68	309.2	309.21	0.01	Finely laminated py with py replaced nodular barite	BDG	130
A-10-68	311.52	311.53	0.01	Cleavage	CLV	25
A-10-68	311.69	311.7	0.01	Finely laminated py with py replaced barite	BDG	125
A-10-68	312.5	312.51	0.01	Finely laminated py with nodular barite replace by py	BDG	125
A-10-68	315.1	315.11	0.01	Cleavage	CLV	20
A-10-68	317.86	317.87	0.01	Nodular barite patially replace by py	BDG	120
A-10-68	318.54	318.55	0.01	Cleavage	CLV	15
A-10-68	319.34	319.35	0.01	Cleavage	CLV	20
A-10-68	321.53	321.54	0.01	Cleavage	CLV	20
A-10-68	321.86	321.87	0.01	Cleavage	CLV	15
A-10-68	321.14	321.15	0.01	Cleavage	CLV	20
A-10-68	324.64	324.65	0.01	Cleavage	CLV	20

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-68	328	328.01	0.01	Nodular barite with py replaced centers	BDG	120
A-10-68	329	329.01	0.01	Nodular barite with py replaced centers	BDG	120
A-10-68	330.64	330.65	0.01	Nodular barite with py replaced centers	BDG	120
A-10-68	331.46	331.47	0.01	Nodular barite with py replaced centers	BDG	120
A-10-68	332.62	332.63	0.01	Cleavage	CLV	15
A-10-68	333.15	333.16	0.01	Cleavage	CLV	15
A-10-68	334.75	334.76	0.01	Barite bed with py replacement	BDG	125
A-10-68	335.15	335.16	0.01	Nodular barite bed	BDG	115
A-10-68	335.2	335.21	0.01	Cleavage	CLV	20
A-10-68	335.82	336.25	0.43	Blocky fractured fault with weakly developed gouge and graphitic partings	FLT	
A-10-68	337.16	337.17	0.01	Nodular barite bedding	BDG	115
A-10-68	339.2	339.21	0.01	Cleavage	CLV	40
A-10-68	341.81	341.82	0.01	Cleavage	CLV	35
A-10-68	343	343.01	0.01	Cleavage	CLV	20
A-10-68	344.33	344.34	0.01	Cleavage	CLV	20
A-10-68	344.92	344.93	0.01	Nodular barite bedding	BDG	135
A-10-68	346	346.01	0.01	Nodular barite bedding	BDG	130
A-10-68	348.6	348.61	0.01	Nodular barite	BDG	120
A-10-68	350	350.01	0.01	Nodular barite	BDG	120
A-10-68	350.05	350.06	0.01	Cleavage	CLV	25
A-10-68	352.72	352.73	0.01	Nodular barite	BDG	130
A-10-68	359.25	359.26	0.01	Cleavage	CLV	20
A-10-68	357.05	357.06	0.01	Cleavage	CLV	20
A-10-68	358.3	358.31	0.01	Nodular barite	BDG	130
A-10-68	359.87	359.88	0.01	Light grey silty beds	BDG	130
A-10-68	362.5	362.51	0.01	mm scale light grey silty beds	BDG	115
A-10-68	363.75	363.76	0.01	mm scale light grey silty beds with minor nodular barite	BDG	120
A-10-68	365.55	365.56	0.01	Cleavage	CLV	15
A-10-68	366.4	366.41	0.01	Cleavage	CLV	15
A-10-68	371.1	371.11	0.01	Nodular barite bedding	BDG	120
A-10-68	374.25	374.26	0.01	Nodular barite with py replacement	BDG	115
A-10-68	375.1	375.11	0.01	Cleavage	CLV	15
A-10-68	375.75	375.76	0.01	Cleavage	CLV	20
A-10-68	377.75	377.76	0.01	Cleavage	CLV	20
A-10-68	379.25	379.26	0.01	Cleavage	CLV	20
A-10-68	385.14	385.15	0.01	mm scale silty beds	BDG	115
A-10-68	387.65	387.66	0.01	mm scale nodular barite with py replacement	BDG	110
A-10-68	388.94	388.95	0.01	Cleavage	CLV	20
A-10-68	392.35	392.36	0.01	Cleavage	CLV	15
A-10-68	396.21	396.22	0.01	Cleavage	CLV	15
A-10-68	401.71	401.72	0.01	Cleavage	CLV	15
A-10-68	403.3	403.31	0.01	fine silty beds with py	BDG	120
A-10-68	406.02	406.03	0.01	fine silty beds with py and nodular barite	BDG	115

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-68	406.71	406..85	0.14	Fault with graphitic slicken-sides and graphitic partings	FLT	
A-10-68	409.34	409.35	0.01	Cleavage	CLV	30
A-10-68	411.95	412.28	0.33	Blocky with moderately developed gouge	FLT	
A-10-68	413.65	413.66	0.01	Cleavage	CLV	20
A-10-68	415.22	415.23	0.01	Nodular barite with py replaced cores	BDG	120
A-10-68	416.06	416.07	0.01	Cleavage	CLV	20
A-10-68	418.12	418.13	0.01	Nodular barite with py replaced cores	BDG	110
A-10-68	419.1	419.11	0.01	Cleavage	CLV	20
A-10-68	419.5	419.51	0.01	Nodular barite with py replaced cores	BDG	115
A-10-68	420.5	420.51	0.01	Cleavage	CLV	25
A-10-68	422.2	422.21	0.01	Cleavage	CLV	20
A-10-68	423.28	423.29	0.01	Cleavage	CLV	25
A-10-68	425.14	425.15	0.01	Elongated silty/nodular barite with py replacement	BDG	100
A-10-68	426.4	426.41	0.01	Cleavage	CLV	30
A-10-68	428.45	428.46	0.01	Broken barite bed with py replacement	BDG	110
A-10-68	428.83	428.84	0.01	Cleavage	CLV	30
A-10-68	431.45	431.46	0.01	Nodular barite with py replacement	BDG	100
A-10-68	432.25	432.26	0.01	Continous silty beds with barite nudules with py replacement	BDG	105
A-10-68	434.28	434.29	0.01	Cleavage	CLV	20
A-10-68	437.77	437.78	0.01	Curved cleavage	CLV	15
A-10-68	441.82	441.83	0.01	Cleavage	CLV	15
A-10-68	442.37	442.38	0.01	Cleavage	CLV	20
A-10-68	445.24	445.25	0.01	Cleavage	CLV	20
A-10-68	447.21	447.22	0.01	Cleavage	CLV	20
A-10-68	449.51	449.52	0.01	Cleavage	CLV	20
A-10-68	452.7	452.71	0.01	Nodular barite with py replaced cores	BDG	105
A-10-68	453.8	453.81	0.01	Continuous silty beds with disseminated py	BDG	110
A-10-68	455	455.68	0.68	Angular blocky absent of gouge.	FLT	
A-10-68	455.95	455.96	0.01	Cleavage	CLV	25
A-10-68	461.48	461.49	0.01	Cleavage	CLV	20
A-10-68	463.17	463.18	0.01	Silty with faint nodular barite and finely laminated py	BDG	110
A-10-68	464.14	464.15	0.01	Nodular barite with fine silt and py laminations	BDG	100
A-10-68	465.57	465.58	0.01	Disseminated py in silty beds	BDG	100
A-10-68	468.81	468.82	0.01	Cleavage	CLV	20
A-10-68	471.96	471.97	0.01	Cleavage	CLV	20
A-10-68	473.47	473.48	0.01	Nodular with faint laminated py	BDG	110
A-10-68	474.59	474.6	0.01	Nodular with faint laminated py	BDG	105
A-10-68	476.4	476.41	0.01	Nodular with faint laminated py	BDG	110
A-10-68	479.51	479.52	0.01	Cleavage	CLV	30
A-10-68	482.49	482.5	0.01	Nodular with faint laminated py	BDG	105
A-10-68	485.74	485.75	0.01	Cleavage	CLV	20
A-10-68	488.58	488.59	0.01	Nodular with faint laminated py	BDG	125
A-10-68	489.12	489.13	0.01	Massive laminated py with nodular barite	BDG	120

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-68	489.59	489.6	0.01	Cleavage	CLV	25
A-10-68	490.13	490.14	0.01	Massive laminated py with nodular barite	BDG	125
A-10-68	491.24	491.25	0.01	Massive laminated py with nodular barite	BDG	130
A-10-68	493.42	494.16	0.74	Blocky fractured core with weakly developed	FLT	
A-10-68	494.2	494.21	0.01	Massive laminated py with nodular barite	BDG	120
A-10-68	495	495.01	0.01	Massive laminated py with nodular barite	BDG	130
A-10-68	496.58	496.59	0.01	Cleavage	CLV	30
A-10-68	496.69	496.7	0.01	Massive laminated py with nodular barite	BDG	125
A-10-68	497.34	497.35	0.01	Cleavage	CLV	30
A-10-68	498.28	498.29	0.01	Massive laminated py with nodular barite	BDG	125
A-10-68	499.3	499.31	0.01	Massive laminated py with nodular barite	BDG	115
A-10-68	501.78	501.79	0.01	Cleavage	CLV	20
A-10-68	502.04	502.05	0.01	Massive laminated py with nodular barite	BDG	120
A-10-68	503.9	503.91	0.01	Massive laminated py with nodular barite	BDG	120
A-10-68	504.05	504.06	0.01	Cleavage	CLV	20
A-10-68	506.2	506.21	0.01	Massive laminated py with nodular barite	BDG	130
A-10-68	506.21	506.22	0.01	Cleavage	CLV	20
A-10-68	509.27	509.28	0.01	Massive laminated py with nodular barite	BDG	115
A-10-68	510.14	510.15	0.01	Cleavage	CLV	20
A-10-68	512.35	512.36	0.01	Cleavage	CLV	30
A-10-68	516.12	516.13	0.01	Massive laminated py with nodular barite	BDG	120
A-10-68	517.04	517.05	0.01	Massive laminated py with nodular barite	BDG	140
A-10-68	519.12	519.13	0.01	Cleavage	CLV	20
A-10-68	520.4	520.41	0.01	Cleavage	CLV	25
A-10-68	523.84	523.85	0.01	Massive laminated py with nodular barite	BDG	145
A-10-68	524.8	524.81	0.01	Cleavage	CLV	25
A-10-68	525.15	525.16	0.01	Massive laminated py with nodular barite	BDG	145
A-10-68	527.94	527.95	0.01	Cleavage	CLV	25
A-10-68	529.29	529.3	0.01	Cleavage	CLV	25
A-10-68	530.64	530.65	0.01	Massive laminated py with nodular barite	BDG	155
A-10-68	533.33	533.34	0.01	Massive laminated py with nodular barite	BDG	160
A-10-68	534.1	534.11	0.01	Cleavage	CLV	25
A-10-68	537.58	537.59	0.01	Cleavage	CLV	25
A-10-68	542.45	542.46	0.01	Massive laminated py with nodular barite	BDG	165
A-10-68	546.54	546.55	0.01	Massive laminated py with nodular barite	BDG	168
A-10-68	547.68	547.74	0.06	Qtz-cal Healed fault	FLT	170
A-10-68	548.09	548.1	0.01	Massive laminated py with nodular barite	BDG	175
A-10-68	551.67	551.68	0.01	Massive laminated py with nodular barite	BDG	170
A-10-68	553.8	553.81	0.01	Massive laminated py with nodular barite	BDG	170
A-10-68	554.92	554.93	0.01	Cleavage	CLV	15
A-10-68	556.74	556.75	0.01	Cleavage	CLV	20
A-10-68	559.28	559.29	0.01	Cleavage	CLV	20
A-10-68	562.44	562.45	0.01	Cleavage	CLV	20
A-10-68	565.66	565.67	0.01	Massive laminated py with nodular barite	BDG	180

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-68	566.81	566.82	0.01	Massive laminated py with nodular barite	BDG	180
A-10-68	573.05	573.06	0.01	Cleavage	CLV	20
A-10-68	578.7	578.71	0.01	Massive laminated py with nodular barite	BDG	180
A-10-68	579.15	579.16	0.01	Massive laminated py with nodular barite	BDG	175
A-10-68	582.1	582.11	0.01	Cleavage	CLV	15
A-10-68	582.5	582.51	0.01	Cleavage	CLV	25
A-10-68	584.05	584.06	0.01	Massive laminated py with nodular barite	BDG	175
A-10-68	586.25	586.26	0.01	Massive laminated py with nodular barite	BDG	170
A-10-68	586.75	587	0.25	Fault	FLT	170
A-10-68	588.33	588.34	0.01	Cleavage	CLV	20
A-10-68	590.55	590.56	0.01	Undulose bedded vfg py with nodular barite with interlaminated mudstone	BDG	180
A-10-68	593.79	593.8	0.01	Cleavage	CLV	20
A-10-68	595.2	595.21	0.01	vfg py bed with light grey laminations	BDG	160
A-10-68	596.33	596.34	0.01	vfg py bed with nodular barite with py replacement	BDG	160
A-10-68	597.18	597.19	0.01	vfg py bed with nodular barite with py replacement	BDG	150
A-10-68	601.75	601.76	0.01	vfg py bed with faint nodular barite	BDG	160
A-10-68	603.53	603.54	0.01	vfg py beds with vivid nodular barite	BDG	130
A-10-68	610.31	610.32	0.01	vfg py beds with vivid nodular barite	BDG	140
A-10-68	612.63	612.64	0.01	vfg py beds with grey silty interbeds	BDG	140
A-10-68	616.52	616.53	0.01	Cleavage	CLV	20
A-10-68	619.12	619.13	0.01	Cleavage	CLV	20
A-10-68	623.42	623.43	0.01	Cleavage	CLV	20
A-10-68	628.02	628.03	0.01	Cleavage	CLV	15
A-10-68	629.57	629.58	0.01	Cleavage	CLV	20
A-10-68	629.74	629.75	0.01	vfg py beds with nodular barite	BDG	120
A-10-68	636.5	636.51	0.01	White nodular barite bedding	BDG	90
A-10-68	637.43	637.44	0.01	faint vfg bedded py	BDG	90
A-10-68	638.2	638.21	0.01	Cleavage	CLV	20
A-10-68	644.82	644.83	0.01	Tight beds of py and faint barite	BDG	90
A-10-68	647.85	647.86	0.01	Elongated nodular barite with little py replacement almost continuous white barite beds	BDG	90
A-10-68	650.91	650.92	0.01	nodular barite	BDG	90
A-10-68	652.86	652.87	0.01	white silty lamination with some py. Finer grained/whiter	BDG	90
A-10-68	660.03	660.04	0.01	white silty bed	BDG	90
A-10-68	660.48	660.49	0.01	thin silty laminations	BDG	90
A-10-68	663.15	663.16	0.01	light grey silty laminations with py	BDG	90
A-10-68	663.96	664.62	0.66	Fault with blocky/higher RQD at top of hole, grades to moderately broken core at bottom of fault	FLT	
A-10-68	665.43	665.44	0.01	thin laminations with silty beds	BDG	90
A-10-68	668.6	668.61	0.01	thin laminations with silty beds with py replacement	BDG	90
A-10-68	673.96	673.97	0.01	Cleavage	CLV	25
A-10-68	675.35	675.36	0.01	silty laminations	BDG	60
A-10-68	675.68	675.69	0.01	cleavage	CLV	25

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-68	677.8	678.28	0.48	minor fault/blocky with minor slick 'n slides. Late fractures	FLT	
A-10-68	681.74	681.75	0.01	silty laminations	BDG	50
A-10-68	682.4	685.48	3.08	fault. Upper fault has higher RQD, grades into low RQD/highly fractured core. Subhorizontal.	FLT	180
A-10-68	685.93	685.94	0.01	Cleavage.	CLV	20
A-10-68	686.16	686.17	0.01	Bedding of silty laminations	BDG	60
A-10-68	687.38	687.39	0.01	silty beds	BDG	55
A-10-68	693.45	693.46	0.01	Cleavage	CLV	15
A-10-68	693.8	693.81	0.01	Bedding of silty laminations	BDG	40
A-10-68	694.85	694.86	0.01	Bedding of silty laminations	BDG	50
A-10-68	696	696.01	0.01	White silty laminations	BDG	55
A-10-68	698.45	698.46	0.01	Cleavage	CLV	25
A-10-68	700.9	700.91	0.01	Cleavage	CLV	23
A-10-68	701.1	701.11	0.01	Py beds	BDG	50
A-10-68	704.32	705.4	1.08	Fault with minor fault gouge	FLT	
A-10-68	706.78	708.13	1.35	Fault blocky finer pebble at upper contact	FLT	
A-10-68	709.54	709.55	0.01	silty laminations with py	BDG	75
A-10-68	710.4	710.41	0.01	Cleavage	CLV	60
A-10-68	713.8	716.7	2.9	Fault and fault effected. Well developed gouge to blocky rubble.	FLT	
A-10-68	722.64	722.65	0.01	cleavage	CLV	25
A-10-68	736.47	736.48	0.01	cleavage	CLV	30
A-10-68	738.5	739.54	1.04	large blocky fault rock with minor well developed gouge.	FLT	
A-10-68	741.07	741.08	0.01	cleavage	CLV	30
A-10-68	741.56	741.57	0.01	cleavage	CLV	30
A-10-68	747.1	747.11	0.01	bedding of silicified sandstone with disseminated py	BDG	40
A-10-68	748.05	750.22	2.17	Fault with moderate developed gouge. 60cm long sandstone unit in middle. BDG of sandstone at 748.90 with 30 TCA	FLT	
A-10-68	758.54	758.55	0.01	Finely laminated silty beds with py	BDG	160
A-10-68	760.32	760.33	0.01	Finely laminated silty beds with py	BDG	160
A-10-68	771.53	771.54	0.01	very fine grained py interbedded with mudstone.	BDG	30
A-10-68	775.25	775.26	0.01	very finely disseminated.v.f. Grained py beds	BDG	80
A-10-68	775.4	781.73		Moderate to high fault gouge semi-compitent core low RQD. Sliken-sides parallel TCA.	FLT	
A-10-68	782.19	782.2		Cleavage	CLV	60
A-10-68	783.73	783.74	0.01	Fine grained py in silty beds	BDG	60
A-10-68	789.74	789.75	0.01	Cleavage	CLV	40
A-10-68	790.23	790.24	0.01	Silty laminations of fine grained py	BDG	80
A-10-68	794.9	794.91	0.01	vfg whispy laminations of py	BDG	40
A-10-68	800.52	800.53	0.01	Finley diseminated lenticular py	BDG	50
A-10-68	803.16	803.17	0.01	Cleavage	CLV	35
A-10-68	806.05	806.06	0.01	Cleavage	CLV	30

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-68	30.2	30.77	0.57	Qtz carbonate veinlets ranging from 0.5cm-2cm with one developed vein at 2cm. Oriented between 30-40 degrees to CA	5%	35
A-10-68	54.5	85.99	31.49	Variably calcareous highly siliceous irregular and or parallel to cleavage grey-translucent off white 1-15cm Qtz-cal (80%qtz, 20% cal) veins. Often brecciating the host rock displaying <5cm angular lithic fragments. Possibly several generation of veins represented by cross-cutting bedding and veins as well conformable with bedding. Veins can be 0-90 CA,	35	
A-10-68	94.1	99	4.9	Dark-grey- translucent white very siliceous Qtz (90%) cal (10%) veins predominantly at 50-90 with a secondary cleavage at 10-15 few generations of veining some crosscutting existing veins. Large <1m section of black variably siliceous mudstone. Trace brassy py. Possible healed Fault?	25	75
A-10-68	109.54	111.3	1.76	Grey-white siliceous qtz extensional vein that disrupts the overlying beds. Starts at 120 to CA then changes to 30 to CA.	30	
A-10-68	117.48	117.73	0.25	Grey-milky white qtz veins that end abruptly that contain disrupted sulphide beds moderately siliceous and brecciated	10	70
A-10-68	148	150.79	2.79	Generally parallel to the CA. Large 4cm wide cal-silica vein with several minor cross-cutting distal to the main vein that brecciate the surrounding host rock. no visible mineralization.	40	0
A-10-68	166.16	175.4	9.24	Top on the interval is a 1-4cm cal-silica vein at 0 to CA. Multi generations of irregular veining brecciating the silicified host rock no visible mineralization. Veins are conformable with disrupted beds at of the vein zone at 60 to CA.	35	
A-10-68	187.36	201.37	14.01	healed gouge and pervasive 5cm-1m wide white to greyish-white massive qtz-cal veins with several generations of irregular veining occasionally parallel to cleavage very little mineralization.	20	
A-10-68	216.2	236.5	20.3	Veins start parallel to cleavage plane with minor veinlets cross-cutting bedding with few extensional veins. 10-30cm sections of white-translucent qtz-cal vein-veinlet swarms comformable-crosscutting. Vein measurements are from 60-90 to CA.	15	
A-10-68	241.25	255.8	14.55	White-translucent Qtz-cal veins brecciating the grey-black siliceous host rock with minor disseminated brassy py. Fine grained massive brassy py, possible replacement of nodular barite, subrounded-globular in close proximity to each other concentrated toward the end of the vein zone. Generally orientated at 40-50 to CA.	15	47
A-10-68	268.38	272.33	3.95	White-translucent light grey qtz -cal Veins-veinlets begin comformable to bedding brecciating host rock generally orientated at 40 to CA. At 270.0-270.5 qtz-cal breccia contains mm fragments of Pyrobithumen, clast with fine grained py replacement at 271.85.	10	40
A-10-68	298.04	298.06	0.02	white-translucent grey 1-2cm Qtz-cal vein devoid of mineralization. Dips relative to horizontal axis slopes at 5-10 to CA.	100	
A-10-68	300.8	300.83	0.03	Milky white qtz-cal vein conformable to bedding separating the bedding subparallel to CA at 170.	60	170
A-10-68	340.18	342	1.82	mm sized veinlets that brecciate host rock with no specific orientation	2	
A-10-68	347.41	349.15	1.74	mm sized milky white qtz calc veins at 12 to 30 degrees TCA	2	
A-10-68	360.82	361.33	0.51	mm scale white to grey qtz calc veinlets	2	30

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-68	350.75	350.77	0.02	Milky white qtz-cal vein 30 degrees TCA	100	30
A-10-68	365	365.14	0.14	conformable to bedding plane separating fine shale beds. Fine qtz veins that thicken down hole to cm scale.	80	110
A-10-68	385.75	385.8	0.05	cm scale qtz calc vein	70	130
A-10-68	386.95	387	0.05	cm scale qtz calc vein	70	120
A-10-68	440.05	440.15	0.1	Qtz carbonate veinlets ranging from 0.5cm-2cm separating fine beds of mudstone	70	90
A-10-68	458.4	458.55	0.15	Milky white qtz-calc brecciating host mudstone	70	45
A-10-68	482.88	482.9	0.02	Qtz-cal vein brecciating host rock. Cross-cutting bedding	50	
A-10-68	483.25	483.27	0.02	Qtz-cal vein brecciating host rock. Cross-cutting bedding		
A-10-68	597.75	600.12	2.37	Qtz-calc vein brecciating host rock.	20	30
A-10-68	612.21	612.86	0.65	Two calc-qtz 1cm sized veins oriented at 10 degrees TCA cross-cutting bedding plane	5	10
A-10-68	675.35	675.69	0.34	Calc-qtz white vein brecciating black mudstone host rock	10	
A-10-68	676.55	676.75	0.2	Calc-qtz white vein brecciating black mudstone host rock	5	20
A-10-68	677.8	678.28	0.48	Calc-qtz white vein brecciating black mudstone host rock. Possible fault healed but broken.	20	
A-10-68	692.12	692.54	0.42	Calc-qtz vein with secondary py brecciating host rock. 2 mm sized veinlets that follow secondary cleavage. 18 degrees TCA	25	
A-10-68	718.78	720.45	1.67	calc-qtz vein, alligned parallel to core axis. Brecciated.	70	180
A-10-68	729.8	729.9	0.1	Calc-qtz vein with secondary py replacement along margin. Fragments of mudstone wall rock present in vein.	95	40
A-10-68	733.75	734.66	0.91	calc-qtz stringers ~2mm wide.	15	165
A-10-68	754.39	754.45	0.06	extensional calc-silca vein	95	140
A-10-68	754.87	754.91	0.04	calcite-qtz vein with secondary py replacing calcite.	95	125
A-10-68	765.42	766.9	1.48	Calc-silicate stringers, predominatly mm wide, but up to 2cm wide.	5	25
A-10-68				extensional calc-silca vein	15	160
A-10-68	791.66	792.6	0.94	Randomly oriented Calc-qtz stretch veins with late fractures filled with calc-silicates	25	
A-10-68	796.3	796.4	0.1	Brecciated calc-silicate vein. Wall rock breccia up to 1cm in size	50	140
A-10-68	797.75	797.81	0.06	Calc-silicate stringers up to 3mm in width with finely diseminated py at edges	50	50
A-10-68	806.72	806.74	0.02	Calc-silicate	80	55

									7AX	7AX	7AX	7AX	7AX	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	WGHT	7AR.1
									Mo	Cu	Pb	Zn	Ag	Ba	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Wgt	Pb
HOLE ID	FROM	TO	LENGTH	SAMPLE #	% SULPHIDES	% SHALE	STANDARDS	CERTIFICATE #	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	NONE	KG	%
A-10-68	99.7	100.84	1.14	851501	5	95		VAN10003593	79.3	34.5	132.9	492	<0.5	7390	75.4	9.5	42	2.60	47	18.8	4.1	34	2.1	6.8	<0.5	25	0.28	0.038	15.5	3.8	0.04	881	0.005	0.46	<0.01	0.20	<0.5	0.21	1.1	2.9	3.03	<5	4	2.619921	4.58	
A-10-68	100.84	102	1.16	851502	Tr	99		VAN10003593	50.1	38.3	66.2	704	<0.5	7053	78.5	8.9	53	2.04	34	12.5	4.2	50	2.7	5.5	<0.5	34	0.40	0.040	15.6	2.8	0.04	763	0.007	0.48	<0.01	0.20	<0.5	0.12	1.2	1.8	2.34	<5	4	2.560899	4.78	
A-10-68	102	102.64	0.64	851503	30-40	60		VAN10003593	71.2	56.2	198.5	35	0.9	7238	93.7	8.7	216	4.55	79	16.0	3.4	391	<0.5	8.9	<0.5	32	3.22	0.039	14.9	3.1	0.05	974	0.004	0.44	<0.01	0.19	<0.5	0.30	1.2	5.3	5.35	<5	6	2.665556	2.57	
A-10-68	102.64	104	1.36	851504	Tr	99		VAN10003593	60.2	41.4	71.7	1126	<0.5	8007	106.1	10.4	32	2.17	43	13.9	4.3	42	5.1	6.1	<0.5	62	0.27	0.045	18.4	3.5	0.04	1534	0.005	0.51	<0.01	0.22	<0.5	0.14	1.2	1.7	2.54	<5	7	2.613325	5.77	
A-10-68	104	105	1	851505	Tr	99		VAN10003593	54.4	42.2	73.5	1323	<0.5	8574	102.9	9.9	76	2.15	41	13.0	4.6	139	6.5	6.0	<0.5	65	0.75	0.046	18.9	4.1	0.05	1897	0.005	0.50	<0.01	0.22	<0.5	0.18	1.1	1.8	2.47	<5	6	2.57888	3.70	
A-10-68	105	106	1	851506	Tr	99		VAN10003593	52.0	44.5	103.7	34	<0.5	11556	110.5	9.5	51	2.43	47	14.4	4.3	82	<0.5	6.1	<0.5	62	0.37	0.047	18.8	3.6	0.04	1795	0.005	0.53	<0.01	0.23	<0.5	0.16	1.1	2.1	2.78	<5	7	2.48244	4.15	
A-10-68	106	106.6	0.6	851507	Tr	99		VAN10003593	42.0	28.6	91.7	2140	<0.5	10252	96.7	6.7	89	2.03	37	11.9	3.2	120	12.4	4.7	<0.5	60	0.78	0.043	14.2	4.2	0.04	2253	0.005	0.43	<0.01	0.19	<0.5	0.20	1.1	2.5	2.43	<5	4	2.530973	2.05	
A-10-68	106.6	107.85	1.25	851508	50	50		VAN10003593	72.7	51.8	249.9	19	0.9	7538	205.2	9.7	123	5.34	129	14.5	3.5	151	<0.5	10.4	<0.5	40	1.41	0.034	13.8	2.9	0.05	922	0.005	0.48	<0.01	0.20	<0.5	0.53	1.2	9.0	6.20	<5	7	2.581666	5.36	
A-10-68	107.85	109	1.15	851509	Tr	99		VAN10003593	46.8	34.3	106.9	9	<0.5	8118	134.1	11.8	30	2.92	58	10.8	5.0	31	<0.5	4.5	<0.5	45	0.19	0.042	20.1	4.3	0.04	1035	0.005	0.48	<0.01	0.24	<0.5	0.22	1.0	3.4	3.28	<5	5	2.501247	4.47	
A-10-68	109	110.05	1.05	851510	5	95		VAN10003593	27.6	38.6	201.6	21	0.6	3938	97.1	5.3	307	3.15	62	6.6	1.6	721	<0.5	4.2	<0.5	34	4.88	0.015	7.6	5.1	0.05	827	0.003	0.32	<0.01	0.13	<0.5	0.14	0.8	4.8	3.47	<5	3	2.525917	4.03	
A-10-68	110.05	111.25	1.2	851511	Tr	99		VAN10003593	60.1	40.1	60.1	1913	<0.5	6789	102.7	11.3	33	1.64	40	14.5	3.9	38	9.5	4.6	<0.5	61	0.27	0.043	15.9	4.3	0.03	873	0.004	0.46	<0.01	0.22	<0.5	0.12	1.2	1.8	1.90	<5	6	2.517241	4.23	
A-10-68	111.25	112.25	1	851512	Tr	99		VAN10003593	71.6	49.0	83.8	2589	<0.5	8368	136.1	13.2	20	2.41	51	17.7	4.6	20	13.6	6.4	<0.5	67	0.13	0.064	17.6	4.8	0.04	854	0.005	0.46	<0.01	0.24	<0.5	0.23	1.2	2.0	2.84	<5	9	2.56302	4.13	
A-10-68				851513			STD PB109	VAN10003593	0.7	4811.6	14031.8	41329	30.2	1023	8.4	12.0	5495	4.70	<5	<0.5	0.5	94	284.8	1.3	2.4	54	4.15	0.051	3.0	27.4	1.30	157	0.120	1.50	<0.01	1.22	<0.5	0.09	3.2	0.7	4.87	<5	<2	1.250623	0.02	
A-10-68	112.25	113.24	0.99	851514	Tr	99		VAN10003593	75.3	47.4	103.1	586	<0.5	7939	154.8	12.2	23	2.70	52	19.1	5.0	19	3.5	5.0	<0.5	72	0.13	0.059	20.1	4.4	0.04	911	0.005	0.49	<0.01	0.25	<0.5	0.19	1.4	2.3	3.10	<5	7	2.414708	3.82	
A-10-68	113.24	114	0.76	851515	Tr	99		VAN10003593	72.7	52.6	161.5	20	<0.5	7776	148.1	13.1	21	2.92	59	19.8	5.2	19	<0.5	7.9	<0.5	69	0.14	0.062	18.5	4.5	0.04	938	0.007	0.48	<0.01	0.25	<0.5	0.23	1.4	2.6	3.36	<5	7	2.616645	3.16	
A-10-68	114	114.79	0.79	851516	Tr	99		VAN10003593	57.2	33.1	121.2	301	<0.5	7228	142.3	11.6	35	2.45	58	15.8	4.4	32	1.9	6.1	<0.5	58	0.26	0.052	17.5	3.4	0.03	1098	0.005	0.47	<0.01	0.22	<0.5	0.17	1.4	3.4	2.80	<5	6	2.606515	2.80	
A-10-68	114.79	115.92	1.13	851517	20	80		VAN10003593	62.6	55.7	312.8	15	1.1	7072	227.0	12.6	36	4.75	114	13.4	4.3	29	<0.5	14.0	<0.5	56	0.23	0.042	14.8	3.4	0.04	775	0.006	0.48	<0.01	0.26	<0.5	0.41	1.3	8.7	5.45	<5	9	2.601695	4.23	
A-10-68	115.92	117	1.08	851518	15	85		VAN10003593	56.9	36.9	186.5	8	0.7	6885	133.3	9.4	40	2.47	66	13.1	4.4	46	<0.5	11.1	<0.5	67	0.34	0.042	17.7	5.0	0.04	809	0.005	0.45	<0.01	0.24	<0.5	0.20	0.9	5.2	2.76	<5	7	2.477132	4.61	
A-10-68	117	117.73	0.73	851519	Tr	99		VAN10003593	32.9	38.6	138.2	9	0.6	5619	90.7	7.5	184	2.06	35	7.9	3.4	329	<0.5	8.5	<0.5	63	2.54	0.042	13.8	4.9	0.06	855	0.005	0.42	<0.01	0.21	<0.5	0.15	1.1	2.8	2.28	<5	6	2.53934	2.76	
A-10-68	117.73	118.6	0.87	851520	Tr	99		VAN10003593	28.5	19.7	30.6	2764	<0.5	4692	40.1	5.8	184	0.88	13	9.0	2.6	376	18.3	3.1	<0.5	67	2.46	0.027	10.6	5.8	0.04	797	0.005	0.36	<0.01	0.17	<0.5	0.16	0.7	1.0	1.01	<5	3	2.563741	4.56	
A-10-68	179.5	180.5	1	851521	Tr	99		VAN10003593	38.5	31.3	26.4	1033	<0.5	5282	71.0	7.1	51	1.53	17	11.1	3.4	73	7.1	6.0	<0.5	61	0.66	0.041	15.0	3.7	0.04	760	0.005	0.35	<0.01	0.17	<0.5	0.21	1.0	0.8	1.76	<5	5	2.57244	3.00	
A-10-68	180.5	181.5	1	851522	5	95		VAN10003593	37.3	31.3	32.5	512	<0.5	32236	65.5	7.6	191	1.98	21	11.5	3.8	568	4.3	8.9	<0.5	57	4.79	0.049	18.0	4.2	0.08	3174	0.004	1.16	<0.01	0.16	<0.5	0.24	1.9	1.0	1.76	<5	8	2.544819	4.18	
A-10-68	181.5	182.12	0.62	851523	10	90		VAN10003593	44.0	31.8	30.0	19	0.6	58803	75.6	8.1	80	2.42	25	13.5	4.1	226	<0.5	12.4	<0.5	62	1.51	0.049	19.5	6.4	0.05	2857	0.004	1.91	<0.01	0.16	<0.5	0.20	2.4	1.5	1.65	<5	5	2.682731	2.76	
A-10-68	182.12	182.93	0.81	851524	10	95		VAN10003593	48.3	33.8	30.4	37	0.7	59279	46.1	8.1	83	2.51	26	10.2	3.7	162	<0.5	16.6	<0.5	23	1.16	0.050	15.9	7.3	0.07	2401	0.003	2.14	<0.01	0.15	<0.5	0.43	3.6	2.5	1.64	<5	3	2.699527	3.06	
A-10-68	182.93	183.9	0.97	851525	5	99		VAN10003593	37.0	37.5	22.5	744	0.6	15479	85.3	6.6	55	1.72	22	11.6	3.6	101	6.0	15.0	<0.5	92	0.91	0.042	15.7	5.5	0.05	2569	0.003	0.61	<0.01	0.17	<0.5	0.17	1.5	0.9	1.80	<5	14	2.545223	3.69	
A-10-68	183.8	185	1.2	851526	Tr	99		VAN10003593	46.4	76.9	28.0	241	0.9	2969	108.4	9.5	92	2.28	27	18.1	2.8	98	2.5	18.2	<0.5	39	0.95	0.045	11.5	8.9	0.05	480	0.004	0.30	<0.01	0.15	<0.5	0.25	1.1	1.2	2.46	<5	7	2.62017	4.54	
A-10-68				851527			Blank BL108	VAN10003593	0.5	15.2	<0.5	30	<0.5	988	2.1	2.4	525	1.51	<5	1.4	5.6	10	<0.5	<0.5	<0.5	14	0.13	0.017	8.0	12.5	0.21	134	0.078	0.60	0.09	0.30	<0.5	<0.05	3.2	<0.5	<0.05	<5	<2	I.S.	0.02	
A-10-68	208.5	209.3	0.8	851528	Tr	99		VAN10003593	33.9	42.8	40.3	868	0.6	15233	76.8	6.1	102	1.36	21	11.8	3.7	264	8.1	17.8	<0.5	62	0.89	0.048	15.3	3.2	0.14	4024	0.003	0.56	<0.01	0.13	<0.5	0.25	1.5	0.8	1.51	<5	10	2.606632	3.28	
A-10-68	209.3	210.22	0.92	851529	10	90		VAN10003593	35.0	42.5	39.0	928	0.7	75668	85.6	6.4	155	1.74	24	12.1	3.3	236	8.8	18.8	<0.5	374	1.27	0.058	14.2	19.0	0.43	11334	0.048	2.67	<0.01	0.07	0.5	0.26	6.0	1.1	0.70	6	10	2.708192	3.60	
A-10-68	210.22	211.1	0.88	851530	15	85		VAN10003593	23.5	34.3	46.5	429	<0.5	53846	63.7	4.2	1319	2.12	31	7.4	2.3	1471	3.5	15.8	<0.5	221	13.90	0.072	8.1	12.6	0.51	2151	0.035	1.67	<0.01	0.04	<0.5	0.36	4.7	1.6	1.59	<5	8	2.760359	3.51	
A-10-68	211.1	212.5	1.4	851531	40	60		VAN10003593	40.3	37.9	31.9	900	0.6	83928	105.3	7.1	114	1.77	24	12.5	3.1	104	8.0	14.4	<0.5	486	0.80	0.065	15.1	26.8	0.40	16244	0.071	2.97	<0.01	0.06	<0.5	0.40	7.2	1.7	0.56	6	10	2.694481	4.03	
A-10-68	212.5	213.4	0.9	851532	15	85		VAN10003593	38.4	39.6	44.8	1155	0.7	59820	89.5	6.2	99	1.54	25	12.0	3.4	141	10.0	18.3	<0.5	143	0.68	0.050	15.5	11.0	0.28	9469	0.008	2.07	<0.01	0.08	0.6	0.30	4.0	1.4	0.86	<5	12	2.679384	3.58	
A-10-68	213.4	214.5	1.1	851533	5	95		VAN10003593	24.2	23.4	29.7	494	0.5	18565	63.8	4.4	1139	1.20	18	7.5	2.0	2060	4.6	12.7	<0.5	105	15.67	0.059	9.9	6.2	0.94	4947	0.003	0.63	<0.01	0.09	<0.5	0.24	2.2	1.2	1.22	<5	7	2.641534	3.78	
A-10-68	214.5	215.25	0.75	851534	Tr	99		VAN10003593	38.2	45.1	46.0	1339	0.8	9104	76.8	7.1	67	1.63	27	11.9	3.8	150	12.8	20.8	<0.5	94	0.50	0.043	16.6	6.8	0.05	2569	0.004	0.46	<0.01	0.17	0.7	0.36	1.4	1.2	1.88	<5	11	2.612125	3.93	
A-10-68	236.51	237.58	1.07	851535	Tr	99		VAN10003593	49.5	37.3	162.1	1275	<0.5	6682	82.1	8.8	55	2.42	50	12.0	3.7	70	5.6	5.9	<0.5	39	0.50	0.043	14.2	6.1	0.04	952	0.004	0.44	<0.01	0.23	<0.5	0.23	1.4	3.7	2.72	<5	4	2.643519	3.71	
A-10-68	237.58	238.3	0.72	851536	5	95		VAN10003593	85.6	45.1	254.1	620	0.7	6752	71.0	9.6	117	4.26	74	19.5	4.1	81	2.5	5.6	<0.5	28	1.02	0.051	12.5	4.5	0.03	734	0.005	0.43	<0.01	0.22	<0.5	0.29	1.7	7.1	4.87	<5	4	2.643093	3.06	
A-10-68	238.3	239.1	0.8	851537	5	95		VAN10003593	59.3	34.1	99.1	287	<0.5	6837	84.4	10.3	241	2.36	36	13.0	4.0	316	1.3	4.0	<0.5	34	2.70	0.050	14.7	6.5	0.04	1036	0.004	0.43	<0.01	0.23	<0.5	0.16	1.7	2.0	2.64	<5	4	2.589378	3.58	
A-10-68	239.1	240	0.9	851538	10	90		VAN10003593	38.8	26.9	57.3	1105	<0.5	7750	67.8	6.1	30	1.46	28	8.7	2.7	42	5.9	3.8	<0.5	42	0.29	0.032	13.1	3.8	0.02	1255	0.003	0.33	<0.01	0.16	<0.5	0.15	1.3	1.8	1.71	<5	4	2.617647	4.05	
A-10-68	240	240.72	0.72	851539	15	85		VAN10003593	68.4	47.8	197.6	552	0.6	7179	190.4	9.7	41	4.15	91	15.1	4.2	46	3.0	9.2	<0.5	51	0.30	0.049	13.8	5.5	0.04	912	0.005	0.45	<0.01	0.23	<0.5	0.49	1.6	6.9	4.70	<5	8	2.67941	2.89	
A-10-68				851540			Coarse DUPLICATE of 851539	VAN10003593	69.2	47.6	192.8	538	0.6	7195	177.5	9.8	41	4.13	89	14.9	4.1	46	3.0	9.5	<0.5	50	0.34	0.048	13.8	5.6	0.04	902	0.005	0.46	<0.01	0.23	<0.5	0.32	1.7	6.6	4.66	<5	7	2.661569		
A-10-68	240.72	241.14	0.42	851541	5	95		VAN10003593	44.2	43.2	171.6	11	<0.5	8221	145.1	11.4	132	3.32	70	9.6	4.1	178	<0.5	7.2	<0.5	44	1.61	0.049	15.9	5.6	0.04	1398	0.004	0.50	<0.01	0.23	<0.5	0.23	1.7	5.2	3.75	<5	7	2.66245	1.91	
A-10-68	241.14	241.89	0.75	851542	Tr	99		VAN10003593	44.1	23.4	44.3	1346	<0.5	6189	82.4	8.3	118	1.50	31	10.6	2.8	250	8.1	4.3	<0.5	43	1.35	0.037	11.7	6.3	0.04	958	0.004	0.32	<0.01	0.16	<0.5	0.20	1.3	1.7	1.63	<5	4	2.621887	3.04	
A-10-68	241.89	243	1.11	851543	5	95		VAN10003593	61.6	44.1	145.6	624	<0.5	7072	136.5	11.0	273	2.66	58	14.5	3.9	747	3.6	10.7	<0.5	53	3.72	0.048	14.3	5.2	0.04	1006	0.004	0.41	<0.01	0.22	<0.5	0.37	1.7	3.4	2.95	<5	8	2.669113	4.25	
A-10-68	243	243.7	0.7	851544	Tr	99		VAN10003593	47.7	34.7	132.2	900	0.6	7119	113.2	9.8	84	2.11	47	11.3	3.4	160	6.0	13.8	<0.5	62	1.13	0.035	14.2	5.4	0.04	1376	0.005	0.40	<0.01	0.21	<0.5	0.29	1.4	4.1	2.38	<5	8	2.641821	2.51	
A-10-68	243.7	244.89	1.19	851545	Tr	99		VAN10003593	35.9	38.5	57.3	555	<0.5	12065	72.1	6.7	230	1.44	18	11.1	2.9	374	3.6	7.3	<0.5	81	2.21	0.029	13.8	5.6	0.05	3218	0.004	0.41	<0.01	0.21	<0.5	0.10	1.5	1.1	1.54	<5	8	2.56932	3.62	
A-10-68	450.73	451.71	0.98	851546	Tr	99		VAN10003593	17.6	37.3	12.1	215	0.6	8266	55.7	8.7	197	1.77	18	4.0	6.0	255	2.5	9.8	<0.5	83	2.75	0.069	22.7	6.9	0.55	1553	0.004	0.52	<0.01	0.31	<0.5	0.13	3.6	0.9	1.30	<5	10	2.608979	2.33	
A-10-68	451.73	452.63	0.9	851547	Tr	99		VAN10003593	16.5	35.5	11.9	559	0.6	11346	48.3	6.8	149	1.70	15	4.0	4.9	254	6.9	11.2	<0.5	77	2.61	0.056	18.9	7.8	0.50	3218	0.003	0.51	<0.01	0.28	<0.5	0.40	3.6	0.8	1.43	<5	10	2.591969	1.83	
A-10-68	452.63	453.71	1.08	851548	Tr	99		VAN10003593	12.8	39.3	15.7	381	0.7	8295	53.7	8.2	65	1.42	16	2.8	6.0	104	3.6	11.0	<0.5	57	0.88	0.063	21.8	6.3	0.21	841	0.004	0.51	<0.01	0.33	<0.5	0.17	2.5	1.0	1.40	<5	9	2.648577	2.46	
A-10-68	453.71	454.6	0.89	851549	Tr	99		VAN10003593	16.5	41.9	10.9	408	0.7	8029	56.7	7.9	62	1.27	17	3.7	5.5	131	4.2	9.7	<0.5	64	0.87	0.059	22.0	7.0	0.16	901	0.004	0.53	<0.01	0.33	<0.5	0.16	2.6	0.9	1.24	<5	10	2.607027	1.95	
A-10-68	454.6	455.68	1.08	851550				VAN10003593	21.7	40.9	12.0	1861	0.8	7202	57.3	7.4	30	1.29	17	4.3	4.2	33	20.6	12.8	<0.5	69	0.20	0.044	18.4	6.9	0.09	879	0.003	0.48	<0.01	0.29	<0.5	0.24	1.7	1.0	1.43	<5	12	2.583441	1.21	
A-10-68				851551			Blank BL108	VAN10003593	0.6	14.7	<0.5	26	<0.5	1015	1.6	3.0	546	1.53	<5	1.5	5.2	9	<0.5	<0.5	<0.5	15	0.13	0.017	8.2	14.2	0.21	139	0.079	0.60	0.09	0.31	<0.5	<0.05	3.7	<0.5	<0.05	<5	<2	I.S.	0.02	
A-10-68	455.68	456.84	1.16	851552	Tr	99		VAN10003593	21.0	42.8	13.7	790	1.0	8011	64.2	8.1	90	1.80	18	4.8	5.1	66	10.0	12.0	<0.5	80	0.59	0.057	21.9	7.9	0.21	950	0.004	0.51	<0.01	0.33	<0.5	0.22	2.4	0.9	1.71	<5	11	2.515075	2.35	
A-10-68	456.84	457.95	1.11	851553	Tr	99		VAN10003593	19.2	40.7	21.1	140	0.9	7912	65.2	6.7	138	1.72	19	4.6	5.0	204	1.6	11.4	<0.5	65	1.63	0.070	20.8	7.3	0.20	1272	0.004	0.54	<0.01	0.32	<0.5	0.19	3.0	1.0	1.71	<5	15	2.537484	2.43	
A-10-68	457.95	458.9	0.95	851554	Tr	99		VAN10003593	11.9	29.8	14.4	601	<0.5	8186	47.4	6.7	219	1.83	14	2.6	5.5	418	6.0	8.5	<0.5	59	3.00	0.053	21.2	7.6	0.39	1281	0.005	0.54	<0.01	0.35	<0.5	0.14	3.0	0.9	1.40	<5	7	2.617397	2.53	
A-10-68	458.9	459.87	0.97	851555	25	75		VAN10003593	14.7	44.2	42.2	1015	0.9	8807	67.8	7.9	137	2.69	21	3.0	5.9	168	8.3	16.6	<0.5	59	1.27	0.062	21.2	7.1	0.20	1258	0.004	0.56	<0.01	0.37	<0.5	0.38	2.9	2.4	2.81	<5	8	2.670455	2.23	
A-10-68	459.87	460.77	0.9	851556	Tr	99		VAN10003593	7.9	36.0	7.6	24	<0.5	8608	39.9	8.1	157	1.63	14	2.0	6.3	91	<0.5	5.6	<0.5	61	1.03	0.063	24.3	8.9	0.39	1202	0.005	0.67	<0.01	0.43	<0.5	0.07	4.1	0.6	1.12	<5	4	2.603516	2.08	
A-10-68	460.77	461.85	1.08	851557	25	75		VAN10003593	14.0	35.2	26.9	741	0.5	9010	60.7	6.8	98	1.95	20	3.0	6.0	92	6.6	13.3	<0.5	63	0.70	0.061	21.9	8.6	0.20	1586	0.005	0.57	<0.01	0.37	<0.5	0.26	2.9	1.9	1.97	<5	9	2.646825	2.24	
A-10-68	461.85	462.69	0.84	851558	30	70		VAN10003593	13.3	39.6	41.7	578	0.7	8230	70.6	7.5	201	2.95	21	2.7	5.7	182	5.4	17.1	<0.5	68	1.48	0.061	21.1	8.4	0.42	1301	0.005	0.60	<0.01	0.37	<0.5	0.30	2.9	2.2	2.59	<5	8	2.711096	2.05	
A-10-68	462.69	463.6	0.91	851559	20	80		VAN10003593	12.9	36.4	29.9	950	<0.5	7822	57.2	8.5	258	2.82	19	3.1	6.2	131	8.6	12.4	<0.5	70	1.63	0.068	22.7	7.9	0.49	1193	0.005	0.63	<0.01	0.42	<0.5	0.25	3.2	1.6	2.21	<5	8	2.702228	2.17	
A-10-68	463.6	464.6	1	851560	30	70		VAN10003593	18.0	43.3	58.7	329	0.7	10057	74.9	7.5	110	3.00	28	3.9	5.5	109	3.2	20.4	<0.5	69	0.59	0.059	20.2	7.5	0.15	1764	0.004	0.56	<0.01	0.37	<0.5	0.37	2.2	2.7	3.24	<5	11	2.654738	2.33	
A-10-68	464.6	465.69	1.09	851561	15	85		VAN10003593	13.7	37.0	32.9	793	<0.5	8334	57.2	8.3	115	2.17	17	3.0	5.5	97	7.8	13.8	<0.5	61	0.80	0.063	21.9	7.5	0.21	1173	0.004	0.55	<0.01	0.37	<0.5	0.25	2.7	1.9	2.15	<5	8	2.669333	2.49	
A-10-68				851562			Pulp DUPLICATE OF 851561	VAN10003593	14.1	34.2	32.7	786	<0.5	8389	57.8	8.1	117	2.18	18	3.0	5.7	96	8.1	12.7	<0.5	60	0.81	0.063	20.8	6.7	0.21	1123	0.004	0.54	<0.01	0.36	<0.5	0.26	2.3	1.5	2.14	<5	9	2.667779		
A-10-68	465.69	466.69	1	851563	10	90		VAN10003593	12.9	38.2	45.3	67	0.6	9841	62.5	8.0	146	3.02	26	2.6	6.1	114	0.6	17.8	<0.5	68	0.94	0.067	22.2	7.6	0.31	1833	0.005	0.59	<0.01	0.41	<0.5	0.29	2.8	2.2	2.97	<5	11	2.678023	2.33	
A-10-68	466.69	467.87	1.18	851564	15	85		VAN10003593	16.3	37.4	39.8	295	0.7	8646	62.3	7.5	85	2.34	26	3.5	5.7	63	3.1	19.4	<0.5	71	0.51	0.064	20.9	7.3	0.18	1433	0.004	0.60	<0.01	0.40	<0.5	0.31	2.2	2.1	2.45	<5	11	2.612272	2.32	
A-10-68	467.87	468.96	1.09	851565	Tr	99		VAN10003593	15.8	23.7	7.9	1057	<0.5	5803	31.7	6.2	181	1.66	10	3.7	3.9	200	9.2	7.2	<0.5	55	2.46	0.047	16.4	5.3	0.62	941	0.004	0.40	<0.01	0.27	<0.5	0.15	2.0	0.7	0.77	<5	6	2.614183	2.48	
A-10-68	468.96	470.82	1.86	851566	Tr	99		VAN10003593	29.7	40.6	12.3	1335	<0.5	7822	63.3	9.6	76	1.29	21	8.4	5.9	112	13.2	12.8	<0.5	78	1.04	0.079	22.5	6.5	0.29	1023	0.004	0.54	<0.01	0.36	<0.5	0.23	2.6	1.0	1.17	<5	10	2.558824	2.48	
A-10-68	470.82	471.19	0.37	851567	Tr	99		VAN10003593	30.5	43.0	18.0	852	<0.5	7545	75.0	8.8	101	1.66	24	8.2	6.0	148	12.5	14.7	<0.5	81	1.51	0.082	22.3	7.4	0.38	1102	0.005	0.56	<0.01	0.35	<0.5	0.24	3.0	1.1	1.44	<5	12	2.597664	2.47	
A-10-68	471.19	472.13	0.94	851568	Tr	99		VAN10003593	26.0	35.6	12.0	274	<0.5	6996	57.2	7.8	166	1.55	25	7.5	5.0	435	3.3	12.2	<0.5	74	3.75	0.073	20.6	6.4	0.45	1064	0.004	0.50	<0.01	0.30	<0.5	0.16	3.1	0.8	1.17	<5	10	2.587589	2.27	
A-10-68	472.13	472.83	0.7	851569	Tr	99		VAN10003593	27.5	38.8	17.8	1772	0.7	7674	55.3	8.3	125	1.36	17	6.8	5.5	152	24.4	14.4	<0.5	75	1.77	0.073	20.1	6.0	0.28	1055	0.004	0.49	<0.01	0.31	<0.5	0.25	2.2	1.3	1.32	<5	16	2.591175	1.34	
A-10-68	472.83	473.83	1	851570	30	70		VAN10003593	20.4	45.9	64.8	167	1.5	8673	76.4	7.2	81	2.78	37	3.5	5.2	116	2.7	31.0	<0.5	65	0.58	0.056	19.1	6.4	0.11	1538	0.004	0.50	<0.01	0.34	<0.5	0.46	1.8	3.3	3.15	<5	32	2.657143	2.35	
A-10-68	473.83	474.79	0.96	851571	20	80		VAN10003593	22.5	46.7	55.7	1419	1.6	9243	79.3	8.2	125	2.62	31	4.5	5.4	203	24.5	29.0	<0.5	70	1.26	0.066	19.3	6.4	0.22	1767	0.004	0.55	<0.01	0.35	<0.5	0.52	2.1	3.1	2.87	<5	41	2.647215	2.24	
A-10-68				851572			STD PB123	VAN10003593	8.1	7129.5	>40000.0	72730	74.0	1081	10.0	12.1	1052	5.08	104	1.1	3.1	13	233.0	472.9	3.9	23	0.22	0.022	5.1	11.7	0.25	518	0.091	0.52	0.07	0.37	3.2	10.91	2.4	46.8	6.14	<5	6	I.S.	0.02	5.77
A-10-68	474.79	475.7	0.91	851573	5	95		VAN10003593	18.1	45.4	26.6	2154	0.9	8528	55.6	8.2	78	1.55	17	3.8	5.4	125	34.1	16.0	<0.5	61	0.88	0.066	21.4	7.4	0.19	1305	0.004	0.52	<0.01	0.35	<0.5	0.39	2.0	1.3	1.60	<5	21	2.62336	2.12	
A-10-68	475.7	476.67	0.97	851574	20	80		VAN10003593	24.1	46.5	43.5	1780	1.7	8338	77.5	8.4	111	2.30	33	5.9	5.2	136	29.9	24.8	<0.5	84	0.96	0.070	19.5	6.8	0.23	1774	0.004	0.55	<0.01	0.35	<0.5	0.50	2.1	2.2	2.40	<5	34	2.629191	2.30	
A-10-68	476.67	477.67	1	851575	Tr	99		VAN10003593	22.1	43.5	12.4	2613	0.8	8763	42.8	8.4	61	1.04	13	5.7	5.1	142	38.0	13.7	<0.5	71	0.87	0.072	21.5	5.5	0.14	1749	0.004	0.51	<0.01	0.33	<0.5	0.28	1.6	1.0	1.10	<5	25	2.625164	2.35	
A-10-68	477.67	478.49	0.82	851576	15	85		VAN10003593	20.1	50.4	75.9	209	2.0	8667	79.3	6.8	131	2.93	45	3.4	5.1	199	3.1	35.3	<0.5	63	1.44	0.060	18.4	6.9	0.15	1926	0.004	0.51	<0.01	0.34	<0.5	0.45	1.8	3.4	3.12	<5	39	2.629191	2.07	
A-10-68	478.49	479.49	1	851577	Tr	99		VAN10003593	11.0	34.6	12.8	662	0.6	9375	41.9	8.8	214	1.91	15	2.8	7.6	149	10.1	10.4	<0.5	60	1.79	0.074	26.4	6.9	0.53	1603	0.005	0.61	<0.01	0.41	<0.5	0.14	3.4	0.9	1.10	<5	11	2.665113	2.48	
A-10-68	479.49	480.5	1.01	851578	Tr	99		VAN10003593	13.2	36.7	11.3	434	<0.5	9657	46.0	8.9	209	1.86	19	3.0	7.3	169	5.4	10.7	<0.5	64	2.03	0.077	28.6	7.3	0.55	1627	0.005	0.63	<0.01	0.42	<0.5	0.14	3.9	0.9	1.04	<5	11	2.653616	2.07	
A-10-68	480.5	481.47	0.97	851579	Tr	99		VAN10003593	13.7	36.2	10.6	583	<0.5	8997	46.4	8.5	210	1.72	19	3.5	6.9	297	7.2	9.9	<0.5	67	2.82	0.076	26.5	7.8	0.58	1646	0.005	0.62	<0.01	0.41	<0.5	0.11	3.9	0.8	1.02	<5	15	2.651194	2.57	
A-10-68	481.47	482.39	0.92	851580	10	90		VAN10003593	34.7	33.2	47.4	3953	1.6	8569	77.0	8.0	110	2.04	20	6.5	4.5	192	55.3	25.2	<0.5	84	1.25	0.072	18.4	7.4	0.12	2057	0.004	0.55	<0.01	0.35	<0.5	0.36	2.0	2.6	2.32	<5	29	2.618705	1.57	
A-10-68	482.39	483.11	0.72	851581	55	45		VAN10003593	32.0	66.0	168.5	30	4.5	9297	100.4	6.8	136	5.61	82	3.1	4.9	180	0.6	57.1	<0.5	65	1.21	0.053	16.9	7.5	0.11	878	0.004	0.52	<0.01	0.34	<0.5	0.96	1.7	6.6	6.15	<5	35	2.752407	1.75	
A-10-68				851582			Blank BL108	VAN10003593	0.7	15.4	2.8	25	<0.5	987	1.0	2.7	538	1.51	<5	1.7	5.2	10	<0.5	<0.5	<0.5	14	0.16	0.019	8.4	13.2	0.21	151	0.089	0.62	0.10	0.34	<0.5	<0.05	3.3	<0.5	<0.05	<5	<2	I.S.	0.02	
A-10-68	483.11	484.11	1	851583	Tr	99		VAN10003593	8.5	28.2	10.5	379	0.6	9255	46.4	7.8	147	1.66	16	2.0	6.5	87	5.5	9.2	<0.5	50	1.04	0.080	24.3	8.8	0.30	1519	0.005	0.59	<0.01	0.42	<0.5	0.09	3.3	0.7	1.25	<5	11	2.647952	2.42	
A-10-68	484.11	485.3	1.19	851584	Tr	99		VAN10003593	11.9	45.1	10.8	1427	0.9	9997	54.3	9.0	143	1.75	16	2.8	7.1	92	18.2	11.7	<0.5	57	0.95	0.085	26.4	9.2	0.30	1795	0.005	0.61	<0.01	0.44	<0.5	0.10	3.6	0.7	1.41	<5	12	2.6785	2.53	
A-10-68	485.3	486.36	1.06	851585	Tr	99		VAN10003593	9.7	39.0	7.6	1076	1.0	10970	40.2	8.3	68	1.14	15	2.5	7.1	70	14.5	10.0	<0.5	48	0.64	0.080	26.0	7.4	0.19	2291	0.005	0.61	<0.01	0.41	<0.5	0.07	2.9	0.8	0.99	<5	10	2.733152	2.27	
A-10-68	486.36	487.36	1	851586	Tr	99		VAN10003593	14.6	38.1	9.3	1946	1.1	10576	51.1	8.8	75	1.38	15	3.4	6.6	110	24.2	11.3	<0.5	57	0.90	0.090	24.4	7.3	0.18	2110	0.005	0.59	<0.01	0.39	<0.5	0.08	2.8	0.8	1.34	<5	13	2.656271	2.28	
A-10-68	487.36	488.39	1.03	851587	5	95		VAN10003593	17.6	24.1	11.9	1546	1.1	9808	59.9	7.4	75	1.56	18	3.8	6.0	79	22.7	13.3	<0.5	68	0.71	0.099	24.3	9.8	0.18	2173	0.005	0.62	<0.01	0.39	<0.5	0.13	2.4	1.2	1.53	<5	16	2.639842	1.55	
A-10-68	488.39	489.49	1.1	851588	45	55		VAN10003593	28.5	56.5	122.8	31	4.7	10716	96.5	7.2	207	6.56	68	2.9	5.0	183	<0.5	41.5	<0.5	62	1.27	0.066	17.6	7.6	0.22	635	0.004	0.59	<0.01	0.33	<0.5	0.60	2.1	5.7	7.00	<5	25	2.793973	2.72	
A-10-68	489.49	490.04	0.55	851589	10	90		VAN10003593	10.6	15.1	11.7	18	<0.5	10185	45.5	6.8	327	2.93	15	2.5	7.6	158	<0.5	7.4	<0.5	66	1.97	0.073	26.1	7.3	0.62	1645	0.004	0.54	<0.01	0.36	<0.5	0.08	4.4	1.0	2.06	<5	9	2.694949	1.30	
A-10-68	490.04	490.74	0.7	851590	25	75		VAN10003593	28.8	47.0	80.9	1625	3.4	8721	79.9	6.5	212	5.43	47	4.3	4.6	135	24.3	25.7	<0.5	73	1.18	0.081	16.2	8.2	0.25	897	0.004	0.55	<0.01	0.31	<0.5	0.44	2.3	3.5	5.71	<5	20	2.728202	1.60	
A-10-68				851591			Coarse DUPLICATE of 851592	VAN10003593	30.3	54.1	93.5	727	4.1	9142	79.8	7.1	225	5.24	55	4.2	4.4	237	11.6	23.9	<0.5	69	1.75	0.083	15.7	8.0	0.27	977	0.004	0.51	<0.01	0.29	<0.5	0.29	2.4	3.9	5.54	<5	19	2.732788	2.31	
A-10-68	490.74	492.01	1.27	851592	30	70		VAN10003593	30.6	53.5	93.3	759	4.4	9077	86.9	7.0	221	5.31	54	4.5	4.5	212	11.6	23.7	<0.5	74	1.60	0.078	16.0	8.1	0.25	907	0.004	0.54	<0.01	0.30	<0.5	0.40	2.2	3.7	5.59	<5	23	2.717495		
A-10-68	492.01	493.02	1.01	851593	Tr	99		VAN10003593	18.8	20.8	7.5	1767	0.7	9748	61.2	7.6	204	1.95	15	3.8	5.7	177	23.5	6.1	<0.5	64	1.48	0.091	24.6	9.1	0.34	2668	0.005	0.58	<0.01	0.36	<0.5	0.12	3.0	0.9	1.64	<5	13	2.630749	2.28	
A-10-68	493.02	493.42	0.4	851594	Tr	99		VAN10003593	22.4	19.6	12.2	868	0.7	12430	62.9	8.4	51	1.56	18	4.3	6.3	64	10.8	8.0	<0.5	64	0.42	0.083	22.5	8.5	0.13	2594	0.004	0.62	<0.01	0.33	<0.5	0.13	2.2	1.2	1.62	<5	12	2.603909	0.90	
A-10-68	493.42	494.57	1.15	851595	50	50		VAN10003593	37.6	87.5	179.5	171	7.1	8326	118.5	6.5	279	9.30	90	3.3	4.1	178	2.1	30.1	<0.5	70	1.72	0.057	13.2	8.0	0.13	222	0.004	0.52	<0.01	0.30	<0.5	0.54	1.7	6.8	10.25	<5	26	2.865289	2.82	
A-10-68	494.57	495.56	0.99	851596	40	60		VAN10003593	32.5	50.1	125.8	305	3.8	12461	94.3	7.3	168	6.84	61	4.4	4.1	127	4.6	17.1	<0.5	67	0.81	0.067	13.4	7.1	0.09	349	0.004	0.64	<0.01	0.28	<0.5	0.40	1.7	5.5	7.52	<5	18	2.798601	2.39	
A-10-68	495.56	496.41	0.85	851597	Tr	99		VAN10003593	10.4	14.0	8.3	248	<0.5	15329	51.3	7.2	70	1.51	15	2.2	6.4	93	3.2	3.9	<0.5	48	0.66	0.084	25.6	8.8	0.12	2789	0.004	0.75	<0.01	0.34	<0.5	0.06	1.9	0.9	1.43	<5	5	2.653616	1.92	
A-10-68	496.41	497.2	0.79	851598	65	35		VAN10003593	34.0	81.8	188.9	318	6.6	10452	115.6	5.5	268	9.78	93	2.8	3.4	144	4.2	23.6	<0.5	65	1.45	0.051	10.9	8.6	0.17	268	0.003	0.54	<0.01	0.23	<0.5	0.51	2.0	7.6	10.81	<5	20	2.89899	1.74	
A-10-68	497.2	498.28	1.08	851599	Tr	99		VAN10003593	38.3	18.7	11.7	3324	0.8	9836	76.0	8.4	79	1.68	17	7.8	5.2	160	34.3	5.7	<0.5	98	1.00	0.166	20.9	10.4	0.15	2354	0.005	0.67	<0.01	0.34	<0.5	0.14	2.4	1.2	1.83	<5	12	2.600649	2.12	
A-10-68	498.28	499.47	1.19	851600	35	65		VAN10003593	23.3	62.3	162.3	30	4.1	10206	93.7	6.9	188	7.75	66	2.6	4.6	107	0.7	16.0	<0.5	57	0.77	0.063	15.2	8.8	0.19	301	0.004	0.56	<0.01	0.30	<0.5	0.38	2.4	5.1	8.45	<5	11	2.810127	2.83	
A-10-68				851601			STD PB129	VAN10003593	3.7	2811.6	12197.5	20226	25.7	944	10.2	10.9	781	3.36	12	<0.5	1.0	70	124.9	36.0	0.9	37	1.01	0.082	9.3	23.0	1.38	190	0.107	1.88	0.07	0.22	<0.5	0.15	1.6	<0.5	1.89	5	<2	I.S.	0.02	
A-10-68	499.47	500.7	1.23	851602	Tr	99		VAN10003593	10.2	20.5	8.7	970	<0.5	10529	42.1	7.1	239	2.09	9	2.1	7.4	147	10.1	4.4	<0.5	68	1.65	0.067	28.9	8.6	0.51	2040	0.005	0.71	<0.01	0.41	<0.5	0.09	3.8	0.8	1.22	<5	5	2.664671	2.15	
A-10-68	500.7	501.78	1.08	851603	5	95		VAN10003593	10.2	22.1	7.8	933	<0.5	9769	39.2	7.0	343	2.63	12	2.2	7.2	212	9.1	3.6	<0.5	63	2.47	0.070	26.7	8.5	0.73	1677	0.005	0.60	<0.01	0.37	<0.5	0.06	3.5	0.7	1.25	<5	7	2.723317	2.72	
A-10-68	501.78	502.43	0.65	851604	50	50		VAN10003593	24.4	67.5	169.3	67	4.0	10462	93.2	7.1	196	7.12	59	2.4	4.8	100	0.9	15.3	<0.5	58	0.88	0.059	16.0	7.4	0.24	349	0.004	0.59	<0.01	0.32	<0.5	0.28	2.2	5.2	7.75	<5	10	2.805049	1.59	
A-10-68	502.43	503.6	1.17	851605	Tr	99		VAN10003593	11.1	11.3	9.6	891	<0.5	13531	44.8	7.2	27	1.20	13	2.4	6.2	42	10.5	3.7	<0.5	45	0.27	0.076	23.2	6.7	0.08	3269	0.004	0.63	<0.01	0.31	<0.5	0.10	1.9	0.9	1.27	<5	5	2.622362	2.14	
A-10-68	503.6	504.45	0.85	851606	50	50		VAN10003593	26.8	67.7	160.7	44	5.0	12568	92.0	6.8	218	7.65	62	2.5	4.5	171	0.8	15.4	<0.5	57	1.10	0.067	15.0	8.4	0.13	310	0.005	0.67	<0.01	0.33	<0.5	0.36	2.3	5.8	8.55	<5	14	2.887689	2.13	
A-10-68	504.45	505.45	1	851607	5	95		VAN10003593	8.4	23.8	21.0	791	0.9	13672	57.4	7.7	89	1.86	20	2.0	6.6	83	8.8	4.6	<0.5	42	0.71	0.082	24.5	8.0	0.23	2098	0.004	0.67	<0.01	0.33	<0.5	0.12	2.7	1.4	1.79	<5	3	2.667555	2.19	
A-10-68	505.45	506.2	0.75	851608	5	95		VAN10003593	8.4	18.0	13.5	437	0.7	16291	49.8	7.3	39	1.47	14	1.7	6.3	44	4.7	3.6	<0.5	39	0.29	0.071	23.3	7.6	0.09	2632	0.004	0.72	<0.01	0.30	<0.5	0.06	1.8	1.1	1.44	<5	4	2.688381	1.76	
A-10-68	506.2	506.88	0.68	851609	70	30		VAN10003593	28.4	87.3	162.7	64	7.9	13866	103.4	6.6	258	8.59	73	2.2	4.0	188	0.8	17.8	<0.5	52	1.11	0.053	12.9	8.1	0.12	258	0.004	0.66	<0.01	0.26	<0.5	0.40	2.0	7.7	9.62	<5	13	2.833216	1.39	
A-10-68	506.88	507.96	1.08	851610	5	95		VAN10003593	23.3	16.5	7.6	2077	0.9	13986	61.0	8.6	67	1.53	12	5.0	5.8	101	23.5	4.4	<0.5	60	0.64	0.143	21.6	9.8	0.14	2263	0.004	0.65	<0.01	0.30	<0.5	0.08	2.2	0.8	1.59	<5	9	2.591085	2.38	

									7AX	7AX	7AX	7AX	7AX	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	WGHT	7AR.1
									Mo	Cu	Pb	Zn	Ag	Ba	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Wgt	Pb
HOLE ID	FROM	TO	LENGTH	SAMPLE #	% SULPHIDES	% SHALE	STANDARDS	CERTIFICATE #	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	NONE	KG	%
A-10-68				851611			Blank BL108	VAN10003593	0.9	13.9	2.6	27	<0.5	972	1.4	2.6	530	1.48	<5	1.6	5.4	10	<0.5	<0.5	<0.5	15	0.15	0.020	8.3	11.9	0.22	152	0.074	0.67	0.13	0.32	<0.5	<0.05	3.4	<0.5	<0.05	<5	<2	I.S.	0.02	
A-10-68	507.96	509.15	1.19	851612	10	90		VAN10003593	11.8	35.2	31.8	478	2.3	18028	61.9	7.3	60	2.60	28	1.8	5.3	100	5.0	6.5	<0.5	46	0.45	0.068	21.8	8.1	0.08	1006	0.004	0.83	<0.01	0.31	<0.5	0.09	1.8	2.1	2.66	<5	7	2.705206	2.70	
A-10-68	509.15	509.87	0.72	851613	70	30		VAN10003593	34.8	66.7	219.3	73	6.7	17169	97.5	5.9	343	10.71	83	2.4	3.0	322	1.4	19.8	<0.5	50	3.30	0.069	11.0	7.1	0.11	212	0.003	0.52	<0.01	0.22	<0.5	0.54	1.3	9.3	12.15	<5	14	2.923358	1.80	
A-10-68	509.87	510.85	0.98	851614	5	95		VAN10003593	11.2	14.9	11.9	199	0.6	11122	50.7	7.1	179	2.10	14	2.3	6.3	126	2.1	3.7	<0.5	55	1.28	0.082	24.6	8.8	0.43	2876	0.004	0.61	<0.01	0.34	<0.5	0.06	3.0	0.9	1.63	<5	5	2.68115	2.43	
A-10-68	510.85	512.1	1.25	851615	5	95		VAN10003593	8.1	25.1	38.7	576	2.1	4048	33.5	2.7	153	2.44	21	1.3	1.0	235	6.1	5.4	<0.5	38	1.37	0.029	3.8	11.7	0.19	1762	0.002	0.20	<0.01	0.11	<0.5	0.06	<0.5	1.6	2.24	<5	6	2.64314	2.61	
A-10-68	512.1	513.19	1.09	851616	Tr	99		VAN10003593	36.3	55.1	29.2	1667	5.1	10049	101.5	9.2	21	2.44	37	8.7	5.2	66	17.1	14.4	<0.5	117	0.32	0.152	20.6	11.7	0.04	1137	0.005	0.59	<0.01	0.33	<0.5	0.13	1.6	1.3	2.77	<5	18	2.64593	2.20	
A-10-68	513.19	514.04	0.85	851617	Tr	99		VAN10003593	35.9	55.3	31.4	3071	4.5	10283	99.6	9.0	40	2.60	38	8.0	5.5	102	28.7	14.8	<0.5	120	0.84	0.155	20.9	15.6	0.06	1074	0.005	0.62	<0.01	0.35	<0.5	0.17	2.0	1.3	3.01	<5	23	2.629435	2.22	
A-10-68	514.04	514.82	0.78	851618	15	85		VAN10003593	20.4	37.5	28.5	2429	3.5	10722	73.5	7.6	66	2.25	25	4.9	5.9	129	23.3	10.3	<0.5	83	0.67	0.115	22.2	11.5	0.08	1305	0.005	0.62	<0.01	0.36	<0.5	0.09	2.1	1.4	2.52	<5	12	2.654944	1.82	
A-10-68	514.82	515.74	0.92	851619	40	60		VAN10003593	21.8	68.6	162.1	26	8.9	8939	85.5	6.8	260	7.20	56	2.6	4.4	172	<0.5	24.0	<0.5	59	1.19	0.066	15.7	8.4	0.27	303	0.005	0.49	<0.01	0.30	<0.5	0.30	2.6	5.3	7.97	<5	14	2.827684	1.59	
A-10-68	515.74	516.75	1.01	851620	5	95		VAN10003593	11.1	17.0	14.5	163	0.6	10926	49.8	7.4	216	1.90	12	2.3	7.3	141	1.6	5.2	<0.5	61	1.46	0.074	28.0	8.2	0.49	2144	0.006	0.62	<0.01	0.39	<0.5	0.08	3.5	0.9	1.33	<5	7	2.684775	2.34	
A-10-68	516.75	517.68	0.93	851621	30	70		VAN10003593	19.7	57.4	155.8	175	5.6	9573	75.4	7.2	197	6.56	48	2.5	5.2	162	1.9	18.5	<0.5	52	1.13	0.067	15.5	7.0	0.23	318	0.006	0.50	<0.01	0.32	<0.5	0.20	2.8	5.7	7.26	<5	12	2.786063	2.48	
A-10-68	517.68	518.78	1.1	851622	Tr	99		VAN10003593	9.4	26.8	11.2	790	0.9	10281	48.4	7.7	116	1.67	13	2.4	6.9	83	7.1	5.1	<0.5	52	0.78	0.096	24.9	9.4	0.25	2080	0.005	0.64	<0.01	0.41	<0.5	0.08	3.2	0.8	1.49	<5	4	2.664229	2.46	
A-10-68				851623			Pulp DUPLICATE OF 851622	VAN10003593	9.9	26.4	10.8	789	0.8	10334	46.6	8.4	116	1.66	14	2.3	6.5	83	6.8	4.4	<0.5	55	0.77	0.092	24.4	9.7	0.24	2091	0.005	0.66	<0.01	0.41	<0.5	0.06	2.8	0.8	1.48	<5	6	2.694276		
A-10-68	518.78	519.77	0.99	851624	Tr	99		VAN10003593	11.3	40.1	11.6	1194	1.2	10513	52.2	8.3	126	1.81	16	2.5	6.6	93	9.6	5.4	<0.5	53	0.86	0.105	23.3	8.9	0.26	2155	0.005	0.62	<0.01	0.40	<0.5	0.05	3.2	0.9	1.67	<5	8	2.674834	2.25	
A-10-68	519.77	520.75	0.98	851625	Tr	99		VAN10003593	10.5	39.0	10.3	916	1.2	10437	46.3	7.4	190	1.79	14	2.1	6.2	247	6.0	4.7	<0.5	52	1.89	0.098	22.4	8.6	0.32	2369	0.005	0.62	<0.01	0.37	<0.5	0.06	3.1	0.7	1.47	<5	6	2.713126	2.32	
A-10-68	520.75	521.85	1.1	851626	Tr	99		VAN10003593	9.8	42.2	9.4	986	1.1	10929	45.7	7.5	183	1.74	15	2.2	5.7	250	6.8	4.5	<0.5	49	1.79	0.101	21.6	7.5	0.28	3227	0.004	0.60	<0.01	0.34	<0.5	0.06	2.8	0.7	1.48	<5	4	2.678046	2.46	
A-10-68	521.85	522.9	1.05	851627	Tr	99		VAN10003593	11.7	29.0	10.9	1760	1.3	13420	54.4	8.0	64	1.47	16	2.6	6.1	103	12.9	5.1	<0.5	50	0.63	0.104	23.0	8.6	0.13	3117	0.005	0.71	<0.01	0.34	<0.5	<0.05	2.2	0.8	1.54	<5	6	2.638467	2.28	
A-10-68	522.9	523.7	0.8	851628	5	95		VAN10003593	13.4	27.9	23.8	1746	2.1	17941	63.0	6.8	95	2.11	23	2.3	5.5	100	14.1	6.2	<0.5	47	0.65	0.099	22.1	8.4	0.11	1392	0.005	0.80	<0.01	0.29	<0.5	0.12	2.0	1.4	2.16	<5	10	2.693396	1.72	
A-10-68	523.7	524.72	1.02	851629	80	20		VAN10003593	32.6	49.1	234.0	82	7.7	17619	86.8	4.6	337	12.42	86	2.1	2.7	120	1.4	19.5	<0.5	21	1.10	0.045	9.7	6.6	0.17	211	0.003	0.75	<0.01	0.21	<0.5	0.97	2.2	11.3	13.80	<5	13	3.014329	2.67	
A-10-68	524.72	525.44	0.72	851630	75	25		VAN10003593	31.9	40.7	255.0	2052	4.1	15359	95.0	5.8	311	12.32	86	2.8	2.8	95	20.9	18.1	<0.5	30	0.90	0.067	10.7	8.8	0.13	229	0.003	0.72	<0.01	0.24	<0.5	1.10	2.2	14.1	13.63	<5	13	2.985075	1.94	
A-10-68				851631			STD PB129	VAN10003593	4.2	2880.3	11928.0	21279	26.2	941	11.3	10.4	767	3.13	12	<0.5	1.0	63	126.8	34.4	0.8	30	0.99	0.080	8.6	21.2	1.38	189	0.105	1.85	0.05	0.22	<0.5	0.17	1.3	<0.5	1.72	<5	<2	I.S.	0.02	
A-10-68	525.44	526.24	0.8	851632	15	85		VAN10003593	20.0	34.2	40.7	3249	1.8	13623	64.1	7.3	181	3.36	29	3.1	4.8	86	28.0	7.1	<0.5	50	0.98	0.081	19.9	6.9	0.27	857	0.003	0.63	<0.01	0.28	<0.5	0.21	2.8	2.5	3.51	<5	11	2.710027	1.52	
A-10-68	526.24	527.46	1.22	851633	Tr	99		VAN10003593	17.0	20.8	8.4	3113	0.6	10579	59.7	8.2	232	2.30	15	3.3	5.5	126	27.3	3.8	<0.5	55	1.47	0.093	20.8	7.0	0.43	2640	0.004	0.53	<0.01	0.32	<0.5	0.12	3.5	0.9	1.85	<5	7	2.66245	2.57	
A-10-68	527.46	528.57	1.11	851634	10	90		VAN10003593	14.1	38.7	32.5	1251	1.8	15010	68.3	7.8	95	2.57	31	2.4	5.8	99	12.5	7.3	<0.5	41	0.68	0.077	21.3	7.1	0.15	1220	0.004	0.72	<0.01	0.34	<0.5	0.19	2.7	1.7	2.64	<5	7	2.709263	2.81	
A-10-68	528.57	529.95	1.38	851635	60	40		VAN10003593	29.3	45.0	147.0	1035	3.7	13121	91.6	7.1	247	8.37	73	3.3	3.8	124	11.7	15.6	<0.5	40	0.92	0.076	14.3	7.4	0.14	340	0.003	0.62	<0.01	0.27	<0.5	0.63	2.0	7.3	9.02	<5	12	2.864904	3.07	
A-10-68	529.95	530.64	0.69	851636	90	10		VAN10003593	40.9	53.6	312.8	478	5.9	10585	105.6	4.3	357	17.85	131	2.0	1.7	141	6.4	32.3	<0.5	17	1.10	0.033	6.6	6.8	0.09	211	0.003	0.39	<0.01	0.20	<0.5	1.46	1.7	19.3	20.16	<5	21	3.204327	1.83	
A-10-68	530.64	531.54	0.9	851637	5	95		VAN10003593	15.2	13.5	17.5	1998	0.7	14047	49.6	7.5	93	1.69	16	2.9	5.6	95	20.9	5.4	<0.5	45	0.84	0.075	23.1	5.2	0.10	2289	0.003	0.62	<0.01	0.30	<0.5	0.17	2.0	1.3	1.67	<5	7	2.700676	2.46	
A-10-68	531.54	532.68	1.14	851638	35	65		VAN10003593	33.3	58.5	152.0	2509	4.1	9322	101.6	8.1	215	7.26	65	3.9	4.2	137	27.6	24.4	<0.5	48	0.91	0.066	14.3	7.2	0.15	392	0.004	0.51	<0.01	0.32	<0.5	0.55	2.6	5.9	7.87	<5	19	2.836402	2.61	
A-10-68	532.68	533.28	0.6	851639	40	60		VAN10003593	25.6	62.3	185.7	999	5.5	10417	95.1	7.3	191	7.07	61	3.3	4.4	159	10.2	24.9	<0.5	39	0.94	0.060	15.2	6.7	0.10	410	0.003	0.51	<0.01	0.31	<0.5	0.44	2.3	7.8	7.62	<5	22	2.798325	2.11	
A-10-68	533.28	535.3	2.02	851640	Tr	99		VAN10003593	9.3	23.4	9.0	1208	0.7	10437	41.2	7.6	106	1.40	12	2.1	6.2	77	11.1	5.6	<0.5	49	0.76	0.076	23.6	6.5	0.25	2327	0.004	0.59	<0.01	0.41	<0.5	0.09	3.1	1.0	1.12	<5	9	2.679169	3.84	
A-10-68				851641			Coarse DUPLICATE of 851640	VAN10003593	9.0	23.8	9.4	1187	0.7	10628	38.7	8.3	102	1.40	10	2.0	5.9	75	11.6	5.8	<0.5	43	0.75	0.071	24.0	6.3	0.22	2273	0.004	0.53	<0.01	0.37	<0.5	0.06	3.1	0.9	1.11	<5	7	2.656478		
A-10-68	535.3	536.8	1.5	851642	Tr	99		VAN10003593	12.9	42.0	11.6	1818	1.1	9501	55.4	8.3	195	2.15	16	2.5	6.6	135	17.5	6.6	<0.5	56	1.48	0.077	22.4	8.6	0.39	2011	0.004	0.57	<0.01	0.42	<0.5	0.05	3.8	1.0	1.54	<5	14	2.654533	3.57	
A-10-68	536.8	538.5	1.7	851643	Tr	99		VAN10003593	9.1	37.6	9.0	1408	0.9	10991	41.5	8.7	65	1.15	12	1.9	6.6	91	12.4	6.7	<0.5	42	0.69	0.076	23.6	6.4	0.16	2934	0.004	0.55	<0.01	0.35	<0.5	0.05	2.7	0.8	1.03	<5	9	2.617147	3.87	
A-10-68	538.5	539.8	1.3	851644	Tr	99		VAN10003593	8.2	34.3	8.1	1028	0.6	12106	36.3	7.9	47	0.96	11	1.7	6.2	81	9.3	5.7	<0.5	41	0.55	0.075	23.6	6.8	0.12	3610	0.004	0.62	<0.01	0.38	<0.5	<0.05	2.7	0.7	0.89	<5	6	2.655585	2.81	
A-10-68	539.8	541.33	1.53	851645	Tr	99		VAN10003593	12.2	21.8	12.4	1968	0.9	11658	45.3	7.9	76	1.26	13	2.3	5.8	113	18.6	7.2	<0.5	46	0.91	0.079	22.8	6.4	0.16	3480	0.004	0.56	<0.01	0.33	<0.5	0.10	2.0	0.8	1.20	<5	7	2.61423	2.91	
A-10-68	541.33	542.12	0.79	851646	5	95		VAN10003593	19.5	68.8	186.1	2161	6.1	12374	81.1	6.7	292	6.49	51	2.5	4.7	226	23.5	26.2	<0.5	47	2.16	0.067	14.9	6.9	0.51	334	0.004	0.54	<0.01	0.29	<0.5	0.31	3.2	5.6	6.63	<5	18	2.816327	1.70	
A-10-68	542.12	543.05	0.93	851647	40	60		VAN10003593	26.1	57.9	402.2	1188	5.5	12660	83.3	5.7	260	10.86	75	1.9	3.3	131	13.6	39.3	<0.5	25	1.20	0.050	11.8	6.6	0.25	262	0.003	0.59	<0.01	0.23	<0.5	0.67	2.1	11.5	11.79	<5	20	2.929619	2.21	
A-10-68	543.05	543.87	0.82	851648	35	70		VAN10003593	32.3	48.8	214.3	36	3.4	13511	86.5	7.1	216	7.92	65	3.5	3.8	104	0.9	36.3	<0.5	45	0.88	0.055	13.3	5.8	0.16	353	0.003	0.64	<0.01	0.28	<0.5	0.52	2.2	7.3	8.46	<5	22	2.808855	2.31	
A-10-68	543.87	544.83	0.96	851649	Tr	99		VAN10003593	7.3	12.4	16.0	66	<0.5	11903	41.4	5.4	298	2.03	12	1.8	5.4	249	0.9	5.8	<0.5	47	2.54	0.061	21.7	5.8	0.73	5147	0.003	0.57	<0.01	0.26	<0.5	0.08	3.2	1.2	1.14	<5	7	2.671114	2.13	
A-10-68	544.83	546.12	1.29	851650	Tr	99		VAN10003593	15.1	22.5	38.3	1871	0.7	13174	59.3	7.1	223	2.53	19	2.6	5.5	143	20.4	12.4	<0.5	57	1.77	0.073	20.4	6.0	0.57	1595	0.003	0.66	<0.01	0.30	<0.5	0.17	3.5	2.0	2.00	<5	12	2.668435	2.70	
A-10-68				851651			Blank BL108	VAN10003593	0.7	14.7	3.5	26	<0.5	962	1.2	2.6	505	1.40	<5	1.6	5.0	9	<0.5	<0.5	<0.5	11	0.13	0.018	7.4	13.9	0.21	156	0.080	0.61	0.09	0.33	<0.5	<0.05	3.9	<0.5	<0.05	<5	<2	I.S.	0.02	
A-10-68	546.12	547.1	0.98	851652	15	85		VAN10003593	19.2	39.5	97.7	1379	1.8	22309	75.1	7.0	132	3.90	34	2.6	4.3	87	14.4	22.7	<0.5	43	0.61	0.057	16.9	6.5	0.14	519	0.003	0.75	<0.01	0.27	<0.5	0.25	2.1	3.7	4.12	<5	18	2.755326	2.18	
A-10-68	547.1	547.9	0.8	851653	Tr	99		VAN10003593	15.5	10.1	10.4	1929	<0.5	15583	38.1	6.5	92	1.10	11	4.2	5.7	229	18.8	5.1	<0.5	63	1.01	0.064	21.0	6.0	0.16	5925	0.003	0.77	<0.01	0.33	<0.5	0.11	2.1	0.9	0.97	<5	8	2.565495	1.86	
A-10-68	547.9	548.62	0.72	851654	80	20		VAN10003593	46.0	77.0	456.1	605	5.9	16959	118.2	6.1	293	12.62	99	5.0	2.4	81	6.2	63.0	<0.5	34	0.93	0.048	8.5	5.5	0.04	192	0.003	0.52	<0.01	0.22	<0.5	0.72	0.8	15.4	14.07	<5	37	2.981385	1.98	
A-10-68	548.62	549.62	1	851655	Tr	99		VAN10003593	27.5	11.8	25.1	2114	<0.5	14704	49.2	8.6	113	1.35	12	6.5	5.7	333	19.7	9.4	<0.5	63	1.47	0.069	21.8	5.9	0.12	3670	0.003	0.60	<0.01	0.30	<0.5	0.19	1.7	1.5	1.31	<5	9	2.555058	2.20	
A-10-68	549.62	550.88	1.26	851656	90	10		VAN10003593	47.6	71.1	473.7	1236	6.3	15428	129.6	7.2	325	12.44	89	5.8	2.7	192	12.2	64.9	<0.5	39	1.17	0.047	8.3	6.1	0.11	168	0.002	0.57	<0.01	0.22	<0.5	0.67	1.5	17.2	13.82	<5	38	2.949153	3.14	
A-10-68	550.88	551.92	1.04	851657	50	50		VAN10003593	36.7	56.2	329.2	1194	4.6	14101	90.6	6.7	257	9.30	76	5.2	3.2	192	10.8	45.5	<0.5	48	1.11	0.049	10.6	6.0	0.12	280	0.003	0.63	<0.01	0.26	<0.5	0.52	1.5	10.0	10.15	<5	32	2.889209	2.77	
A-10-68	551.92	553.22	1.3	851658	70	30		VAN10003593	31.8	79.6	447.3	11227	5.6	12951	77.9	5.5	270	11.50	58	4.4	2.6	237	105.8	55.3	<0.5	39	1.59	0.045	8.6	5.3	0.05	241	0.003	0.58	<0.01	0.23	<0.5	0.65	1.6	34.3	13.25	<5	43	2.969562	2.59	
A-10-68	553.22	553.94	0.72	851659	90	10		VAN10003593	21.9	84.9	444.9	20873	5.0	13202	88.9	6.8	260	9.62	45	3.1	2.9	102	180.3	49.5	<0.5	34	1.58	0.045	9.3	5.2	0.08	278	0.003	0.67	<0.01	0.26	<0.5	0.68	1.9	40.3	11.46	<5	44	2.923469	1.97	
A-10-68	553.94	554.92	0.98	851660	Tr	99		VAN10003593	7.6	19.0	22.1	203	<0.5	20875	43.0	6.2	51	1.06	10	1.7	5.1	42	1.9	6.7	<0.5	39	0.33	0.063	19.3	5.9	0.10	5576	0.003	0.85	<0.01	0.30	<0.5	0.07	1.9	1.2	0.89	<5	6	2.689053	2.10	
A-10-68	554.92	556.64	1.72	851661	Tr	99		VAN10003593	8.6	20.8	20.2	327	<0.5	16826	53.1	6.6	59	1.13	15	1.7	5.4	62	3.1	8.2	<0.5	43	0.47	0.063	20.5	5.9	0.12	5234	0.003	0.79	<0.01	0.37	<0.5	0.09	2.0	1.3	1.00	<5	7	2.60456	3.44	
A-10-68				851662			STD PB129	VAN10003593	4.0	2853.5	11961.5	20955	27.9	946	10.5	10.3	751	3.10	12	<0.5	1.0	63	138.3	36.4	0.9	29	0.96	0.086	8.8	22.3	1.36	195	0.102	1.82	0.05	0.23	<0.5	0.15	1.6	<0.5	1.69	5	<2	I.S.	0.02	
A-10-68	556.64	557.91	1.27	851663	Tr	99		VAN10003593	12.9	24.5	17.9	675	<0.5	16782	53.7	7.5	54	1.20	15	2.6	5.8	80	6.0	8.3	<0.5	48	0.52	0.075	20.9	7.6	0.11	4302	0.004	0.76	<0.01	0.35	<0.5	<0.05	2.5	1.0	1.09	<5	12	2.599482	3.13	
A-10-68	557.91	559.31	1.4	851664	Tr	99		VAN10003593	9.6	19.7	13.6	1064	<0.5	11035	49.0	6.1	352	2.04	14	2.6	4.6	494	9.1	7.4	<0.5	57	3.71	0.060	19.5	5.5	0.53	3716	0.004	0.60	<0.01	0.29	<0.5	0.12	2.4	0.9	1.54	<5	15	2.657825	3.18	
A-10-68	559.31	560.92	1.61	851665	Tr	99		VAN10003593	14.3	20.8	14.2	2662	<0.5	16510	58.4	8.4	40	1.39	16	3.3	6.3	73	21.8	9.0	<0.5	66	0.47	0.076	22.9	7.6	0.12	3531	0.005	0.83	<0.01	0.37	<0.5	0.08	2.2	1.1	1.58	<5	16	2.609661	3.55	
A-10-68	560.92	562.36	1.44	851666	Tr	99		VAN10003593	13.7	17.4	14.4	2411	<0.5	15902	48.4	8.0	53	1.22	12	3.0	6.1	120	19.7	8.6	<0.5	62	0.59	0.076	21.8	6.8	0.12	4251	0.005	0.83	<0.01	0.36	<0.5	0.14	2.2	1.0	1.37	<5	16	2.613473	3.34	
A-10-68	562.36	563.86	1.5	851667	Tr	99		VAN10003593	12.1	16.0	9.9	2342	<0.5	13316	42.5	7.0	216	1.24	12	2.7	5.5	202	19.1	7.9	<0.5	63	2.19	0.073	19.4	6.9	0.15	4109	0.005	0.72	<0.01	0.32	<0.5	0.10	2.3	0.9	1.38	<5	15	2.630335	3.17	
A-10-68	563.86	565.41	1.55	851668	Tr	99		VAN10003593	15.2	17.7	14.1	2948	<0.5	12902	47.5	6.7	70	1.49	13	3.4	5.6	92	26.6	9.2	<0.5	70	0.66	0.073	19.7	6.7	0.12	3231	0.005	0.69	<0.01	0.35	<0.5	0.17	1.9	1.3	1.71	<5	18	2.642008	3.52	
A-10-68	565.41	566.11	0.7	851669	70	30		VAN10003593	28.8	56.6	175.2	2831	2.9	10880	106.6	6.9	226	6.85	41	4.6	3.9	178	25.5	35.9	<0.5	83	1.36	0.054	11.5	7.6	0.09	288	0.005	0.60	<0.01	0.28	<0.5	0.43	1.4	11.7	8.17	<5	29	2.797203	1.90	
A-10-68	566.11	566.86	0.75	851670	95	5		VAN10003593	47.3	125.7	351.0	1303	7.2	7119	141.1	5.7	341	14.34	118	4.5	2.7	100	12.5	83.9	<0.5	89	0.58	0.037	7.8	6.4	0.06	131	0.005	0.50	<0.01	0.24	<0.5	0.67	1.2	13.6	17.21	<5	62	2.999251	2.18	
A-10-68	566.86	567.51	0.65	851671	95	5		VAN10003593	48.3	145.5	451.7	180	9.0	4877	121.7	3.7	454	18.05	160	3.9	2.0	137	3.2	108.5	<0.5	80	0.95	0.028	5.9	5.3	0.05	95	0.004	0.34	<0.01	0.19	<0.5	0.81	1.2	15.1	21.93	<5	61	3.152997	1.67	
A-10-68	567.51	568.46	0.95	851672	95	5		VAN10003593	46.5	114.0	335.2	471	6.9	6974	118.0	6.5	540	13.07	108	5.2	2.9	168	5.5	80.2	<0.5	90	2.14	0.054	7.5	4.7	0.10	157	0.004	0.47	<0.01	0.23	<0.5	0.65	1.3	12.3	15.59	<5	47	2.948454	2.31	
A-10-68				851673			Pulp Duplicate of 851672	VAN10003593	46.2	113.6	334.4	498	7.0	7058	126.7	6.6	574	13.35	113	5.0	2.6	174	6.1	85.7	<0.5	92	2.20	0.055	7.6	5.5	0.10	153	0.004	0.47	<0.01	0.25	<0.5	0.66	1.8	12.6	15.93	<5	51	2.944772		
A-10-68	568.46	568.98	0.52	851674	Tr	99		VAN10003593	49.1	27.4	66.0	2044	1.3	11556	67.4	8.9	94	3.17	21	11.6	6.0	60	22.3	20.1	<0.5	113	0.37	0.088	18.6	7.8	0.11	945	0.005	0.64	<0.01	0.38	<0.5	0.18	2.4	3.3	3.78	<5	19	2.548285	1.66	
A-10-68	568.98	569.66	0.68	851675	80	20		VAN10003593	45.5	100.4	322.0	7468	5.9	9619	146.0	7.3	304	12.65	69	5.4	3.9	82	80.4	73.9	<0.5	83	0.44	0.057	10.8	5.0	0.07	131	0.004	0.51	<0.01	0.27	<0.5	0.83	1.7	13.4	15.48	<5	53	2.949376	1.80	
A-10-68	569.66	570.34	0.68	851676	95	5		VAN10003593	39.1	98.8	311.5	2525	5.7	8596	118.8	6.2	302	12.30	98	5.0	3.6	137	28.3	74.1	<0.5	80	0.72	0.055	10.9	5.5	0.08	135	0.004	0.51	<0.01	0.26	<0.5	0.68	1.9	12.3	14.73	<5	44	2.960089	1.14	
A-10-68	570.34	571.57	1.23	851677	Tr	99		VAN10003593	13.3	16.2	10.6	2207	<0.5	12296	46.7	7.1	40	1.24	13	2.8	6.2	60	19.4	7.7	<0.5	62	0.40	0.073	21.9	6.5	0.13	4426	0.005	0.71	<0.01	0.37	<0.5	0.16	2.1	1.1	1.46	<5	13	2.595979	1.55	
A-10-68	571.57	573.05	1.48	851678	Tr	99		VAN10003593	11.7	14.6	9.3	1882	<0.5	13383	43.8	6.4	95	1.23	11	2.9	6.4	101	17.4	6.5	<0.5	73	0.83	0.073	22.2	8.2	0.15	5407	0.005	0.80	<0.01	0.38	<0.5	0.10	2.1	1.1	1.34	<5	13	2.635649	3.52	
A-10-68	573.05	574.14	1.09	851679	5	95		VAN10003593	17.2	17.2	18.2	1607	0.5	13149	53.9	6.5	68	1.53	13	4.2	5.5	83	13.2	10.4	<0.5	80	0.66	0.068	19.6	6.4	0.11	3220	0.005	0.72	<0.01	0.33	<0.5	0.12	2.0	1.5	1.67	<5	17	2.586185	1.88	
A-10-68	574.14	574.8	0.66	851680	70	30		VAN10003593	38.8	102.2	294.5	983	5.9	8798	121.6	5.5	312	11.52	91	4.7	3.0	193	9.6	69.4	<0.5	90	1.05	0.043	8.7	6.1	0.08	159	0.005	0.53	<0.01	0.26	<0.5	0.54	1.6	10.1	13.81	<5	54	2.90566	1.73	
A-10-68				851681			Blank BL108	VAN10003593	0.6	13.2	3.1	31	<0.5	962	2.2	2.4	534	1.59	<5	1.6	5.3	10	<0.5	<0.5	<0.5	16	0.13	0.020	7.7	12.6	0.22	151	0.081	0.60	0.09	0.31	<0.5	<0.05	3.6	<0.5	<0.05	<5	<2	I.S.	0.02	
A-10-68	574.8	575.92	1.12	851682	65	35		VAN10003593	43.8	118.9	351.8	656	7.4	9685	121.7	5.4	379	13.82	114	4.9	2.8	181	6.9	79.0	<0.5	91	1.07	0.048	7.9	6.3	0.09	105	0.004	0.51	<0.01	0.25	<0.5	0.70	1.7	11.5	16.42	<5	53	2.95861	1.61	
A-10-68	575.92	576.78	0.86	851683	30	70		VAN10003593	42.9	46.8	141.1	3719	2.8	9657	95.9	8.2	512	6.15	37	8.4	4.2	304	40.0	33.7	<0.5	104	3.58	0.086	10.7	5.9	0.16	307	0.005	0.53	<0.01	0.32	<0.5	0.46	2.5	5.6	7.38	<5	25	2.713315	1.84	
A-10-68	576.78	577.6	0.82	851684	20	80		VAN10003593	27.3	58.6	190.8	1169	3.2	14549	75.9	5.8	744	7.86	53	4.3	4.1	154	12.2	42.5	<0.5	84	3.01	0.065	12.2	6.0	0.10	219	0.005	0.63	<0.01	0.28	<0.5	0.42	1.5	8.5	9.15	<5	30	2.836042	1.91	
A-10-68	577.6	578.95	1.35	851685	5	95		VAN10003593	9.2	20.5	15.7	78	<0.5	12901	42.6	6.8	126	1.38	12	2.3	6.3	79	0.9	8.4	<0.5	63	0.84	0.065	21.7	6.3	0.30	5569	0.005	0.78	<0.01	0.37	<0.5	0.07	2.8	1.1	1.20	<5	12	2.665336	2.33	
A-10-68	578.95	579.9	0.95	851686	40	60		VAN10003593	26.1	73.3	163.6	6124	2.9	11483	110.7	8.3	278	6.81	44	3.6	4.3	215	59.3	38.2	<0.5	77	1.63	0.058	12.9	6.9	0.25	251	0.005	0.67	<0.01	0.33	<0.5	0.42	2.0	7.8	7.94	<5	35	2.796788	2.23	
A-10-68	579.9	580.65	0.75	851687	5	95		VAN10003593	24.4	10.4	9.2	3547	<0.5	8286	43.7	6.6	386	2.02	8	6.3	4.9	939	32.8	6.8	<0.5	89	6.38	0.064	17.4	6.0	0.57	2448	0.005	0.55	<0.01	0.31	<0.5	0.12	2.7	0.9	1.55	<5	14	2.585539	2.20	
A-10-68	580.65	581.58	0.93	851688	5	95		VAN10003593	15.2	30.8	51.7	2489	0.9	15614	69.5	6.5	120	2.56	16	3.0	5.2	106	25.0	14.9	<0.5	64	0.84	0.063	17.5	5.4	0.20	1003	0.005	0.72	<0.01	0.33	<0.5	0.21	2.4	2.2	2.74	<5	20	2.668892	1.83	
A-10-68	581.58	582.2	0.62	851689	30	70		VAN10003593	19.0	59.3	115.5	2803	2.4	13955	91.6	6.8	268	5.46	38	2.8	4.2	242	28.2	32.3	<0.5	64	1.56	0.063	12.8	6.7	0.20	351	0.005	0.69	<0.01	0.29	<0.5	0.34	2.5	5.2	6.06	<5	30	2.785465	1.79	
A-10-68	582.2	583	0.8	851690	Tr	99		VAN10003593	8.6	17.9	11.6	241	<0.5	17914	39.2	6.4	69	1.16	13	2.2	5.4	73	2.0	6.4	<0.5	55	0.54	0.060	20.0	6.3	0.15	5282	0.005	0.82	<0.01	0.33	<0.5	0.09	2.2	1.0	1.09	<5	12	2.661344	1.80	
A-10-68				851691			STD PB129	VAN10003593	4.3	2917.9	12597.3	21201	26.7	929	11.7	10.4	852	3.48	13	<0.5	1.0	73	124.7	36.2	1.0	39	1.07	0.088	9.5	22.0	1.43	189	0.112	1.93	0.05	0.23	0.5	0.14	1.6	<0.5	1.93	5	3	I.S.	0.02	
A-10-68	583	583.7	0.7	851692	15	85		VAN10003593	17.7	34.2	53.1	3192	1.0	18560	67.7	7.6	122	2.46	20	3.2	5.2	116	31.0	16.3	<0.5	74	0.88	0.064	19.2	7.8	0.14	1090	0.006	0.84	<0.01	0.34	<0.5	0.13	2.6	2.8	2.68	<5	23	2.680965	2.32	
A-10-68	583.7	584.54	0.84	851693	65	35		VAN10003593	38.6	93.7	235.2	6070	4.1	11231	125.1	8.0	208	8.65	55	5.9	4.4	92	62.1	52.4	<0.5	94	0.54	0.057	12.7	5.4	0.09	237	0.005	0.65	<0.01	0.33	<0.5	0.44	2.3	8.9	10.28	<5	66	2.853172	1.57	
A-10-68	584.54	585.3	0.76	851694	Tr	99		VAN10003593	10.3	20.9	25.1	697	<0.5	15498	45.3	6.4	93	1.36	14	2.6	5.7	84	6.8	8.3	<0.5	57	0.68	0.066	19.8	7.1	0.19	4792	0.005	0.81	<0.01	0.33	<0.5	0.08	2.4	1.3	1.32	<5	13	2.702027	1.55	
A-10-68	585.3	586.23	0.93	851695	Tr	99		VAN10003593	10.2	14.1	11.0	743	<0.5	16324	39.4	6.8	98	1.32	10	3.0	6.0	97	7.7	5.4	<0.5	63	0.74	0.067	20.7	6.6	0.22	4438	0.005	0.79	<0.01	0.34	<0.5	0.10	2.5	0.8	1.24	<5	12	2.660679	2.15	
A-10-68	586.23	587.05	0.82	851696				VAN10003593	41.2	97.2	265.7	5641	3.5	15861	130.3	8.5	266	9.06	63	6.2	3.6	337	57.8	56.2	<0.5	96	1.45	0.055	9.8	6.3	0.09	215	0.005	0.62	<0.01	0.30	<0.5	0.45	1.9	10.3	10.64	<5	73	2.86123	1.99	
A-10-68	587.05	587.95	0.9	851697	5	95		VAN10003593	19.6	45.4	94.3	617	1.5	17058	89.8	8.2	112	3.63	35	3.1	5.4	59	6.7	26.0	<0.5	67	0.39	0.063	17.2	7.1	0.13	789	0.005	0.87	<0.01	0.34	<0.5	0.16	2.2	4.0	3.93	<5	27	2.729195	2.09	
A-10-68	587.95	589.22	1.27	851698	Tr	99		VAN10003593	9.5	20.2	13.1	1564	<0.5	17287	53.9	7.6	75	1.27	12	2.6	6.2	61	16.4	7.4	<0.5	59	0.51	0.064	20.3	7.6	0.17	4606	0.005	0.90	<0.01	0.35	<0.5	0.10	2.5	0.9	1.24	<5	14	2.708955	1.83	
A-10-68	589.22	590.02	0.8	851699	5	95		VAN10003593	15.5	29.3	64.6	2278	1.0	16969	64.6	6.8	165	2.82	20	3.5	5.2	97	26.3	17.7	<0.5	51	0.89	0.060	17.3	5.8	0.21	1547	0.004	0.80	<0.01	0.28	<0.5	0.16	2.7	3.3	3.00	<5	22	2.710027	1.84	
A-10-68	590.02	590.77	0.75	851700	15	85		VAN10003593	42.8	74.6	248.5	1750	4.1	14102	114.0	7.0	269	9.77	71	5.3	3.8	194	20.4	64.1	<0.5	58	1.32	0.057	11.6	5.4	0.12	222	0.004	0.56	<0.01	0.24	<0.5	0.51	2.0	11.6	11.29	<5	47	2.919708	1.75	
A-10-68				851701			Coarse Duplicate of 851700	VAN10003593	42.9	57.1	254.6	1631	4.1	14468	99.3	6.9	299	9.14	72	5.6	4.1	261	19.4	63.6	<0.5	66	1.88	0.058	14.2	6.2	0.15	256	0.004	0.61	<0.01	0.27	<0.5	0.48	2.6	11.9	10.46	<5	52	2.918978		
A-10-68	590.77	591.42	0.65	851702	10	90		VAN10003593	28.5	58.7	196.5	155	3.9	17092	79.6	6.3	292	7.58	65	3.5	4.1	143	2.5	49.1	<0.5	48	1.18	0.057	13.0	5.9	0.26	345	0.003	0.65	<0.01	0.22	<0.5	0.39	2.6	8.6	8.38	<5	28	2.835461	1.91	
A-10-68	591.42	592.42	1	851703	15	85		VAN10003593	29.7	61.9	176.1	81	4.2	16202	93.1	6.8	234	6.97	70	2.8	4.2	124	1.4	48.8	<0.5	48	0.91	0.054	14.4	6.5	0.19	419	0.004	0.74	<0.01	0.24	<0.5	0.37	2.3	7.8	7.79	<5	28	2.826271	2.07	
A-10-68	592.42	593.69	1.27	851704	Tr	99		VAN10003593	19.2	23.5	28.7	1943	1.0	13791	62.4	7.2	179	1.80	20	3.0	5.3	161	21.2	13.0	<0.5	48	1.49	0.073	18.6	4.5	0.15	2801	0.004	0.63	<0.01	0.26	<0.5	0.12	2.1	2.1	1.99	<5	14	2.666	2.57	
A-10-68	593.69	594.93	1.24	851705	Tr	99		VAN10003986	12.6	26.2	17.7	800	0.9	15138	65.3	7.8	241	1.66	19	1.9	5.1	218	10	11.1	<0.5	40	2.22	0.067	19.2	6.6	0.2	3073	0.003	0.57	<0.01	0.25	<0.5	0.08	1.5	1	1.55	<5	16	2.668	2.82	
A-10-68	594.93	595.77	0.84	851706	5	95		VAN10003986	31	36.6	48.9	4893	1.9	11639	92.5	8.6	171	2.67	29	5.7	4.1	136	62.3	21.5	<0.5	63	1.14	0.069	16	6.8	0.21	968	0.003	0.57	<0.01	0.25	<0.5	0.23	2	2.5	2.87	<5	26	2.66289	1.82	
A-10-68	595.77	596.3	0.53	851707	10	90		VAN10003986	29.4	42.3	69.5	578	2.4	13732	81.1	7	108	3.33	40	4.8	3.9	99	7.3	25.1	<0.5	51	0.7	0.063	12.8	6.2	0.09	692	0.003	0.55	<0.01	0.22	<0.5	0.22	1.2	3	3.71	<5	22	2.71225	1.45	
A-10-68	596.3	597.23	0.93	851708	10	90		VAN10003986	32	55.5	124.7	334	3.6	14593	95.8	7	147	5.23	52	4.6	3.8	79	4.1	36.7	<0.5	51	0.69	0.063	13.4	7.2	0.11	450	0.003	0.64	<0.01	0.24	<0.5	0.27	1.3	5.1	5.84	<5	29	2.7589	2.28	
A-10-68	597.23	598.57	1.34	851709	5	95		VAN10003986	6.5	13.6	26.1	153	0.9	8909	25.5	2.7	156	1.39	13	1.1	1.8	228	1.7	7.3	<0.5	24	1.78	0.028	7.1	8.4	0.19	4814	0.002	0.36	<0.01	0.14	<0.5	0.07	0.7	1	1.11	<5	7	2.69195	2.64	
A-10-68	598.57	599.26	0.69	851710	5	95		VAN10003986	2.4	5.4	12.5	21	<0.5	3918	9.6	1.1	150	0.87	<5	<0.5	0.7	262	<0.5	2	<0.5	12	2.04	0.016	2.5	17.1	0.18	2605	0.001	0.11	<0.01	0.07	<0.5	<0.05	<0.5	<0.5	0.42	<5	3	2.62975	1.85	
A-10-68				851711			Blank BL108	VAN10003986	0.8	14.4	3.1	27	<0.5	1013	1.6	2.8	494	1.48	<5	1.6	4.8	9	<0.5	<0.5	<0.5	13	0.11	0.016	7	13.5	0.2	137	0.078	0.61	0.09	0.31	<0.5	<0.05	2.9	<0.5	<0.05	<5	<2	I.S.	0.02	
A-10-68	599.26	600.12	0.86	851712	5	95		VAN10003986	28.6	60.3	201.3	1069	7	8681	91.1	7	107	5.58	59	3.7	4.6	85	17.4	25	<0.5	66	0.53	0.11	16	10.4	0.04	358	0.004	0.45	<0.01	0.28	<0.5	0.19	1	5.7	6.45	<5	30	2.75465	1.52	
A-10-68	600.12	601.27	1.15	851713	Tr			VAN10003986	31.5	56.7	78.6	4982	5.5	7807	111.4	8.3	57	3.76	55	6.1	4.5	83	68.9	18.6	<0.5	119	0.81	0.206	17.1	14.9	0.04	778	0.004	0.48	<0.01	0.28	<0.5	0.18	1.4	2.1	4.57	<5	32	2.61255	2.7	
A-10-68	601.27	602.12	0.85	851714	20	80		VAN10003986	3	8	6.1	558	0.5	2585	15.1	1.6	126	0.84	7	0.6	0.7	173	7.2	1.9	<0.5	23	1.42	0.034	3.4	16.4	0.11	1062	0.001	0.13	<0.01	0.08	<0.5	0.05	<0.5	<0.5	0.52	<5	4	2.60247	2.14	
A-10-68	602.12	602.82	0.7	851715	15	85		VAN10003986	24.3	49.1	237.7	350	4.4	9184	89.5	7.9	166	5.58	54	2.5	4.6	102	5.3	25.7	<0.5	38	0.78	0.063	13.5	8.1	0.09	358	0.003	0.44	<0.01	0.27	<0.5	0.21	1.6	6.7	6.16	<5	23	2.77747	2.16	
A-10-68	602.82	603.53	0.71	851716	15	85		VAN10003986	19.2	37.4	125.9	682	2.2	9503	71.1	7.2	157	3.47	34	3.1	5.4	95	10.4	16.3	<0.5	47	0.84	0.071	15.5	6.7	0.18	834	0.004	0.47	<0.01	0.3	<0.5	0.14	1.7	4	3.82	<5	16	2.71467	1.72	
A-10-68	603.53	604.03	0.5	851717	15	85		VAN10003986	21	40.3	122.2	723	2.3	8844	75.5	7.1	151	3.51	37	2.5	4.9	89	11.4	16.6	<0.5	45	0.8	0.072	17.6	7.1	0.17	997	0.003	0.44	<0.01	0.27	<0.5	0.14	1.7	3.8	3.97	<5	17	2.74588	1.67	
A-10-68	604.03	604.85	0.82	851718	20	80		VAN10003986	30.1	56.2	182.8	902	3.5	6734	91.3	8.9	401	5.99	52	3.3	9.3	177	13.2	23.1	<0.5	63	2.22	0.116	28.3	10.5	0.56	466	0.005	0.47	<0.01	0.29	<0.5	0.2	3	5.4	6.11	<5	22	2.8014	1.83	
A-10-68	604.85	605.5	0.65	851719	25	75		VAN10003986	37	39.1	81.7	3108	2	7844	98.8	9.6	316	3.44	30	5.6	12.2	174	47.6	15.2	<0.5	69	2.06	0.122	34.7	8.5	0.42	1315	0.004	0.46	<0.01	0.3	<0.5	0.15	3.5	3.2	3.39	<5	23	2.66889	1.51	
A-10-68	605.5	606.5	1	851720	20	80		VAN10003986	26.5	45	172.9	1232	3	7525	82.8	6.7	198	4.45	43	3.4	4.7	141	18.8	21.3	<0.5	44	1.16	0.063	14.2	7.5	0.12	642	0.003	0.37	<0.01	0.27	<0.5	0.16	1.8	5.7	4.94	<5	22	2.76154	1.78	

									7AX	7AX	7AX	7AX	7AX	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	WGHT	7AR.1
									Mo	Cu	Pb	Zn	Ag	Ba	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Wgt	Pb
HOLE ID	FROM	TO	LENGTH	SAMPLE #	% SULPHIDES	% SHALE	STANDARDS	CERTIFICATE #	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	NONE	KG	%
A-10-68				851721			STD PB129	VAN10003986	3.9	2924.2	12107.2	21141	23.7	980	10.3	10.8	821	3.27	12	<0.5	0.9	57	129.5	33.7	0.7	31	0.95	0.084	8.8	22.3	1.39	174	0.098	1.75	0.05	0.21	<0.5	0.19	1.5	<0.5	1.88	<5	2	I.S.	0.02	
A-10-68	606.5	607.08	0.58	851722	20	80		VAN10003986	34.6	42.2	151.1	2184	2.7	9323	94.8	7.1	210	4.11	45	5.8	4.6	135	33.8	21.1	<0.5	57	1.87	0.1	12.7	7.6	0.2	537	0.003	0.39	<0.01	0.25	<0.5	0.21	1.8	4.3	4.85	<5	21	2.68206	1.34	
A-10-68	607.08	607.8	0.72	851723	25	75		VAN10003986	25.5	45.4	177.7	133	3.4	7644	88.1	7	183	5.08	49	2.7	5.2	87	1.8	25.4	<0.5	42	0.76	0.063	15.1	8.9	0.15	610	0.003	0.36	<0.01	0.26	<0.5	0.24	2	5.6	5.9	<5	20	2.76438	1.44	
A-10-68	607.8	608.47	0.67	851724	15	85		VAN10003986	25.8	44.5	143.9	24	3.3	6884	81.7	6.5	238	4.51	46	3.1	4.9	147	0.6	23.5	<0.5	55	1.62	0.068	13.8	8.9	0.28	794	0.003	0.45	<0.01	0.3	<0.5	0.2	2.5	5	4.99	<5	19	2.72128	1.68	
A-10-68	608.47	609.17	0.7	851725	5	95		VAN10003986	20.8	41.6	90.6	975	2.4	6006	72.8	6.5	570	2.97	34	2.7	4.1	331	13.6	16.3	<0.5	40	4.06	0.074	11.7	5.7	0.19	961	0.003	0.32	<0.01	0.23	<0.5	0.11	2	3.1	3.39	<5	17	2.72833	1.51	
A-10-68	609.17	609.79	0.62	851726	Tr			VAN10003986	27.7	18.7	15.4	4592	1	7821	65.4	9	49	1.17	14	5.2	5.3	67	65.6	6.6	<0.5	61	0.48	0.09	15.9	7.3	0.07	1012	0.003	0.44	<0.01	0.29	<0.5	0.1	1.5	1.1	1.54	<5	18	2.59381	1.52	
A-10-68	609.79	610.7	0.91	851727	10	90		VAN10003986	26.1	56.7	140.1	124	3.4	6962	90.8	7.2	203	4.11	46	3.1	5	108	1.8	23.4	<0.5	51	1.32	0.068	14.6	7.9	0.26	852	0.003	0.43	<0.01	0.29	<0.5	0.16	1.8	4.2	4.47	<5	23	2.72883	1.74	
A-10-68	610.7	611.28	0.58	851728	40	60		VAN10003986	25.7	55.4	186.9	17	3.8	6134	88.3	7	174	4.63	52	2.5	4.5	160	<0.5	33.5	<0.5	40	1.24	0.057	13.1	6.6	0.14	694	0.003	0.34	<0.01	0.25	<0.5	0.19	1.6	6.1	5.41	<5	22	2.7385	1.29	
A-10-68	611.28	612.03	0.75	851729	20	80		VAN10003986	28.2	55.4	186.9	13	4.2	6011	89	7	194	5.31	56	2.9	4.6	88	<0.5	36.3	<0.5	47	0.93	0.06	12.6	8.2	0.22	604	0.003	0.4	<0.01	0.28	<0.5	0.2	2	5.8	6.14	<5	23	2.76519	1.78	
A-10-68	612.03	612.78	0.75	851730	15	85		VAN10003986	24.9	43.8	104.3	488	2.7	6359	85.4	6.6	335	4.1	50	3.4	3.5	460	7	27.4	<0.5	50	4.57	0.04	10.4	5.9	0.38	737	0.003	0.33	<0.01	0.26	<0.5	0.12	1.5	3.2	3.96	<5	22	2.72616	1.91	
A-10-68				851731			Pulp Duplicate of 851730	VAN10003986	25.2	43.8	101.9	497	2.9	6404	80	6.2	328	4.06	52	3.2	3.3	463	6.3	26.3	<0.5	49	4.46	0.041	9.8	5.7	0.38	718	0.002	0.33	<0.01	0.25	<0.5	0.13	1.5	3.2	3.8	<5	22	2.74777	<0.01	
A-10-68	612.78	614.06	1.28	851732	5	95		VAN10003986	22	33.8	39.6	3895	1.4	5664	64.4	7.4	91	1.76	21	4	4.9	86	45.8	14.7	<0.5	47	0.86	0.059	13.3	5.3	0.17	882	0.003	0.34	<0.01	0.27	<0.5	0.09	1.8	1.6	2.09	<5	18	2.64493	2.75	
A-10-68	614.06	614.62	0.56	851733	Tr	99		VAN10003986	16	40.9	24.8	1678	0.9	5149	62.5	6.8	369	2.55	15	3.1	5.6	225	18.6	11.5	<0.5	48	3.47	0.077	13.9	5.1	0.59	994	0.003	0.4	<0.01	0.27	<0.5	0.06	3.1	0.9	2.24	<5	13	2.64375	1.31	
A-10-68	614.62	615.34	0.72	851734	Tr	99		VAN10003986	19.9	42.8	24.5	388	0.8	4673	79.1	8.4	118	1.52	19	4.2	6.5	110	4.3	12.8	<0.5	54	1.21	0.08	16.9	6.1	0.3	1125	0.003	0.45	<0.01	0.33	<0.5	0.07	3.1	0.9	1.47	<5	12	2.59466	1.67	
A-10-68	628.93	629.57	0.64	851735	Tr	99		VAN10003986	20.7	28.4	22.9	2706	0.7	6912	78.1	8.4	156	1.77	12	4.1	6.5	184	34.7	14.4	<0.5	47	1.63	0.085	16.1	4.9	0.35	1013	0.003	0.39	<0.01	0.25	<0.5	0.17	2.1	1	2.03	<5	14	2.59035	1.31	
A-10-68	629.57	630.15	0.58	851736	5	95		VAN10003986	14.3	26.7	30	1037	0.9	6578	62.1	6.7	251	2.03	12	2.9	5.4	242	13.5	13.9	<0.5	36	2.14	0.075	16.6	4.7	0.46	1080	0.003	0.35	<0.01	0.21	<0.5	0.13	1.8	1.1	2.35	<5	14	2.66667	1.28	
A-10-68	630.15	631.15	1	851737	50	50		VAN10003986	25.9	73.3	194.6	21	3.1	12748	92.2	6.9	282	4.27	42	4.1	4.2	217	<0.5	62.2	<0.5	50	1.34	0.061	11.6	5.7	0.05	462	0.003	0.35	<0.01	0.22	<0.5	0.31	1.6	4.9	5.18	<5	32	2.72203	2.3	
A-10-68	631.15	632.12	0.97	851738	40	60		VAN10003986	21.1	50.8	115.3	17	2.1	7595	77.1	6.8	138	2.97	33	3.4	4.7	126	0.5	34.7	<0.5	47	0.72	0.067	17.8	5.8	0.07	1423	0.003	0.4	<0.01	0.25	<0.5	0.23	1.1	3	3.33	<5	36	2.61728	1.44	
A-10-68	632.12	633.02	0.9	851739	20	80		VAN10003986	28.9	64.4	141.3	134	2.7	8504	95.5	7.9	294	3.35	53	4.8	4.7	240	1.9	53.5	<0.5	61	1.73	0.073	18	7.3	0.1	1161	0.003	0.49	<0.01	0.28	<0.5	0.21	1.7	4.5	3.85	<5	41	2.61871	1.78	
A-10-68	633.02	633.27	0.25	851740	15	85		VAN10003986	14.8	27.5	38.4	897	1	11325	63.6	6.7	298	2.12	16	3	5	264	13.6	18.2	<0.5	49	1.96	0.069	18.6	5.5	0.27	2060	0.004	0.42	<0.01	0.26	<0.5	0.1	1.9	1.6	2.48	<5	24	2.62689	1.01	
A-10-68				853457	.		Blank BL108	VAN10003986	0.5	16	4	25	<0.5	1008	1.1	2.7	532	1.58	<5	1.5	4.5	10	<0.5	<0.5	<0.5	12	0.12	0.021	7.8	12.8	0.21	154	0.085	0.6	0.08	0.34	<0.5	<0.05	2.7	<0.5	<0.05	<5	<2	I.S.	0.02	
A-10-68	633.27	634.02	0.75	851742	10	90		VAN10003986	25	68.2	118.3	18	2.4	8705	104.9	8.3	127	2.9	52	4.1	5	125	<0.5	49.8	<0.5	56	0.76	0.073	17.5	6.1	0.08	1461	0.003	0.45	<0.01	0.29	<0.5	0.28	1.2	3.7	3.23	<5	38	2.64389	1.5	
A-10-68	634.02	635.02	1	851743	15	85		VAN10003986	21.6	50.7	78.4	1821	1.9	8103	86.1	8	188	2.5	35	3.9	5.1	214	25.3	36.3	<0.5	55	1.35	0.068	18	6.2	0.13	1545	0.004	0.45	<0.01	0.28	<0.5	0.26	1.6	2.7	3	<5	31	2.64578	2.18	
A-10-68	635.02	636.17	1.15	851744	5	95		VAN10003986	29.5	66.2	121.1	1425	2.3	10491	103.2	8.6	224	2.75	46	5.6	4.4	148	20	49.1	<0.5	63	1.06	0.072	15.4	5.2	0.05	1499	0.003	0.41	<0.01	0.25	<0.5	0.31	1.2	3.7	3.17	<5	39	2.64111	2.75	
A-10-68	636.17	637.17	1	851745	5	95		VAN10003986	29.8	77.5	189.3	700	2.9	8565	101.5	7.7	185	3.57	51	5.7	4.9	145	9.2	62.9	<0.5	66	0.82	0.065	16.3	6	0.06	1275	0.003	0.43	<0.01	0.26	<0.5	0.39	1	5.2	4.07	<5	47	2.68291	2.47	
A-10-68	637.17	638	0.83	851746	10	90		VAN10003986	23.6	55.5	102.8	1721	2	7271	85.2	6.7	378	2.37	44	4.7	3.7	119	20.9	37.3	<0.5	61	1.33	0.054	14.1	5.5	0.05	1428	0.003	0.38	<0.01	0.23	<0.5	0.3	1.4	3	2.72	<5	30	2.63979	1.97	
A-10-68	638	638.72	0.72	851747	10	90		VAN10003986	32.2	64.1	89.9	1859	3.1	8035	101.8	7.9	73	2.5	56	7.8	3.8	98	22.8	37.6	<0.5	74	0.53	0.092	13.7	7.4	0.04	1776	0.004	0.37	<0.01	0.21	<0.5	0.39	1.3	2.6	2.98	<5	34	2.6183	1.6	
A-10-68	638.72	639.34	0.62	851748	15	85		VAN10003986	15.3	36.6	49.4	2092	1.3	6571	67.2	6.1	110	1.5	26	3.3	3.5	132	25	21.6	<0.5	51	0.81	0.057	15.4	5.6	0.11	1659	0.003	0.36	<0.01	0.22	<0.5	0.29	1.3	2	1.75	<5	23	2.66217	1.27	
A-10-68	639.34	640.22	0.88	851749	10	90		VAN10003986	10.9	18.6	13.7	2257	0.8	7465	46.4	4.6	380	1.9	10	2.2	3.4	345	25	9.7	<0.5	60	2.46	0.112	12.8	8	0.64	2144	0.004	0.46	<0.01	0.24	<0.5	0.32	2.1	0.8	2.3	<5	13	2.6405	1.83	
A-10-68	640.22	641.77	1.55	851750	Tr	99		VAN10003986	17.1	21.9	16.1	3100	1	16657	81.2	7.6	257	1.59	17	3.8	5	289	27.9	12	<0.5	63	1.78	0.169	19.4	7.6	0.4	3706	0.004	0.57	<0.01	0.25	<0.5	0.41	3	1	1.86	<5	14	2.64224	2.96	
A-10-68				851751			STD PB129	VAN10003986	4.2	2812.3	12039.3	20925	25	968	11.8	10.6	803	3.36	11	<0.5	0.8	64	119	36.4	0.8	31	0.98	0.077	8.7	23.6	1.41	182	0.102	1.81	0.05	0.23	<0.5	0.13	1.7	<0.5	1.9	<5	<2	I.S.	0.02	
A-10-68	641.77	642.67	0.9	851752	60	40		VAN10003986	20.7	43	60.4	3699	1.9	34173	93.9	7.1	536	1.91	47	4.9	4.3	244	35.5	20.6	<0.5	61	2.24	0.079	16	6.9	0.17	2055	0.003	1.01	<0.01	0.22	<0.5	0.57	2.6	3.1	1.92	<5	44	2.6827	1.98	
A-10-68	642.67	643.39	0.72	851753	65	35		VAN10003986	34.3	56.6	103.5	6784	3.2	25936	116	7.7	896	3.06	42	7	3.9	363	72.6	27.6	<0.5	81	3.27	0.07	13	6.4	0.3	985	0.004	0.74	<0.01	0.2	<0.5	0.79	2.8	4.3	3.42	<5	35	2.69713	2.17	
A-10-68	643.39	644.53	1.14	851754	40	60		VAN10003986	27.8	75	191.3	1905	7.9	32808	119.6	6	1048	5.84	102	3.6	3	241	21.3	54.5	<0.5	67	3.4	0.06	12.1	7.3	0.16	508	0.003	1.2	<0.01	0.19	<0.5	0.73	2.9	10.4	6.48	<5	44	2.79777	2.36	
A-10-68	644.53	645.48	0.95	851755	75	25		VAN10003986	21.8	60.2	238.2	2253	10.5	55303	101.8	5.6	1050	8	131	2.5	2.6	203	22	48	<0.5	76	3.38	0.058	10.2	11.4	0.23	329	0.004	1.87	<0.01	0.14	<0.5	0.71	4.4	10.6	8.55	<5	24	2.92674	2.45	
A-10-68	645.48	646.48	1	851756	85	15		VAN10003986	17.5	36	152.4	818	7.3	163615	86.6	4.5	723	5.74	97	2.2	2.9	1077	10	23.3	<0.5	97	3.14	0.073	14.4	17.4	0.26	675	0.002	2.18	<0.01	0.09	<0.5	0.44	6.2	7.5	4.3	<5	16	3.006	2.84	
A-10-68	646.48	647.44	0.96	851757	90	10		VAN10003986	15.3	33.3	139.7	235	5.8	179331	74.3	4.7	612	5.79	99	2	3.3	649	2.7	17.8	<0.5	164	2.62	0.099	17	30.6	0.27	655	0.004	2.6	<0.01	0.08	<0.5	0.33	7.7	6.1	4.22	6	10	3.08193	1.96	
A-10-68	647.44	648.46	1.02	851758	90	10		VAN10003986	16.2	35.9	147.1	229	5.7	182650	72.1	4.7	375	5.59	92	2	3.3	917	2.5	14.5	<0.5	168	1.85	0.085	15.9	34.3	0.31	776	0.004	2.47	<0.01	0.1	<0.5	0.32	7.7	6.2	3.59	6	14	3.07822	2.7	
A-10-68	648.46	649.49	1.03	851759	90	10		VAN10003986	13.9	29.4	114.8	984	4.6	167928	70.9	4.4	404	4.45	62	1.8	3.3	958	12.2	10.3	<0.5	126	2.86	0.083	16.4	26.5	0.3	1030	0.002	2.37	<0.01	0.08	<0.5	0.3	7.6	5.2	2.6	6	7	3.0447	2.74	
A-10-68	649.49	650.36	0.87	851760	90	10		VAN10003986	14	32.3	128.7	455	4.5	196812	70.9	4.3	278	5.12	71	1.9	3.1	889	4.6	9.1	<0.5	136	1.85	0.075	15.3	28.8	0.32	743	0.003	2.06	<0.01	0.09	<0.5	0.23	6.9	6.2	3.5	5	7	3.07828	2.73	
A-10-68				851761			Coarse Duplicate of 851760	VAN10003986	11.7	30.5	129.5	449	4.4	193496	69.1	4.4	268	5.03	68	1.8	3.1	871	5.2	10.1	<0.5	127	1.77	0.072	14.7	26.8	0.3	718	0.003	1.95	<0.01	0.08	<0.5	0.24	5.7	6.2	3.37	<5	10	3.04167	<0.01	
A-10-68	650.36	651.35	0.99	851762	90	10		VAN10003986	11.4	26.2	121.8	407	4	237680	66.6	4.4	247	4.05	49	1.4	3	1203	3.9	6.9	<0.5	99	1.89	0.06	13.4	23.7	0.31	1256	0.002	1.61	<0.01	0.07	<0.5	0.2	6	5.7	2.16	<5	5	3.1348	2.53	
A-10-68	651.35	652.35	1	851763	90	10		VAN10003986	9.1	22.1	100.3	287	2.6	257429	49.4	3.2	210	3.55	36	1.3	2.3	1504	2.6	5.3	<0.5	66	1.26	0.05	9.8	15.8	0.27	2258	0.004	0.86	<0.01	0.04	<0.5	0.15	4.6	5.8	1.3	<5	5	3.32862	2.93	
A-10-68	652.35	653.29	0.94	851764	90	10		VAN10003986	9.2	28.2	155.9	80	2.1	287927	55.7	2.9	115	3.72	45	1	1.9	1229	0.8	12.5	<0.5	163	0.97	0.036	9.1	24.7	0.21	2919	0.043	1.23	<0.01	0.02	<0.5	0.2	4.9	6.4	1.1	<5	8	3.49346	2.96	
A-10-68	653.29	653.96	0.67	851765	80	20		VAN10003986	14.2	42.6	103.2	1111	0.8	119004	79	9.6	127	2.15	25	2.5	3.5	102	9.9	12.4	<0.5	113	0.77	0.052	17.6	16.6	0.38	19025	0.009	3.65	<0.01	0.07	<0.5	0.24	7.3	2.8	0.48	7	6	2.81869	1.64	
A-10-68	653.96	655.05	1.09	851766	Tr	99		VAN10003986	51.8	44.4	146.5	394	1.2	50501	137.3	24.8	86	2.33	35	11.6	2.8	78	2.8	21.5	<0.5	75	1.12	0.047	15	6.3	0.11	3315	0.003	2.13	<0.01	0.14	<0.5	0.33	3.6	3.3	1.58	<5	10	2.64877	2.64	
A-10-68	655.05	656.1	1.05	851767	10	90		VAN10003986	33.4	42.2	173.4	40	1.2	28818	120.2	31.3	157	2.84	37	8.1	2.9	134	0.6	21.5	<0.5	39	1.96	0.053	14.4	5	0.16	1654	0.003	1.13	<0.01	0.18	<0.5	0.31	2.8	4	2.66	<5	6	2.6264	2.31	
A-10-68	656.1	657.01	0.91	851768	20	70		VAN10003986	19.4	45.3	182.2	14	1	9687	111	23.4	290	3.24	31	5.8	4.2	289	<0.5	22.9	<0.5	20	4.24	0.075	14.3	5.6	0.55	1709	0.003	0.47	<0.01	0.27	<0.5	0.39	2.8	4.6	3.64	<5	9	2.65629	2.04	
A-10-68	657.01	657.88	0.87	851769	10	90		VAN10003986	48.1	53.9	219.6	14	1.3	7297	93.2	16.2	130	3.29	36	10.3	4.8	137	<0.5	25.6	<0.5	27	1.2	0.062	15.4	6.4	0.18	1312	0.004	0.46	<0.01	0.3	<0.5	0.46	2.4	4.4	3.87	<5	6	2.61107	1.74	

HOLE ID	DISTANCE	AZIMUTH (mag)	AZIMUTH (true)	DIP	MAGN	SURVEY TYPE	ACCEPTED	COMMENTS
A-10-68	0		50	-78				Collar
A-10-68	24	33.2	53.98	-78	6342	REFLEX EZ-SHOT	Yes	
A-10-68	35	33.7	54.48	-78.8	5829	REFLEX EZ-SHOT	Yes	
A-10-68	93	31.3	52.08	-79	5793	REFLEX EZ-SHOT	Yes	
A-10-68	123	25.3	46.08	-78.6	5837	REFLEX EZ-SHOT	Yes	
A-10-68	153	25.8	46.58	-78.3	5844	REFLEX EZ-SHOT	Yes	
A-10-68	183	245.4	266.18	-78.1	5861	REFLEX EZ-SHOT	No	Bad Azimuth
A-10-68	213	31.7	52.48	-78.4	5824	REFLEX EZ-SHOT	Yes	
A-10-68	243	20.5	41.28	-76.9	5834	REFLEX EZ-SHOT	Yes	
A-10-68	273	20.3	41.08	-75.4	5838	REFLEX EZ-SHOT	Yes	
A-10-68	291	19.3	40.08	-75.4	5833	REFLEX EZ-SHOT	Yes	
A-10-68	314	27.4	48.18	-74.5	5744	REFLEX EZ-SHOT	Yes	
A-10-68	323	19.6	40.38	-75	5833	REFLEX EZ-SHOT	Yes	
A-10-68	353	20	40.78	-74.7	5828	REFLEX EZ-SHOT	Yes	
A-10-68	388.62	21	41.78	-74.1	5761	REFLEX EZ-SHOT	Yes	
A-10-68	419.11	19.4	40.18	-72.5	5754	REFLEX EZ-SHOT	Yes	
A-10-68	449.59	17.4	38.18	-71.7	5753	REFLEX EZ-SHOT	Yes	
A-10-68	480.07	18.4	39.18	-71.7	5754	REFLEX EZ-SHOT	Yes	
A-10-68	510.55	18.3	39.08	-71.1	5762	REFLEX EZ-SHOT	Yes	
A-10-68	541.03	18.7	39.48	-71.4	5760	REFLEX EZ-SHOT	Yes	
A-10-68	571.51	17.2	37.98	-71.3	5757	REFLEX EZ-SHOT	Yes	
A-10-68	601.99	18.5	39.28	-71.2	5759	REFLEX EZ-SHOT	Yes	
A-10-68	632.47	20.5	41.28	-71.1	5760	REFLEX EZ-SHOT	Yes	
A-10-68	662.95	18.6	39.38	-71.2	5765	REFLEX EZ-SHOT	Yes	
A-10-68	693.43	18.4	39.18	-71.1	5760	REFLEX EZ-SHOT	Yes	
A-10-68	723.91	18.5	39.28	-71.4	5770	REFLEX EZ-SHOT	Yes	
A-10-68	754.39	18.6	39.38	-71.1	5749	REFLEX EZ-SHOT	Yes	
A-10-68	784.87	18.6	39.38	-71.3	5759	REFLEX EZ-SHOT	Yes	
A-10-68	812.3	19.6	40.38	-71.2	5780	REFLEX EZ-SHOT	Yes	

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-68	4.5	6	1.5	0.63	42.00	0	0.00												
A-10-68	6	9	3	2.81	93.67	1.2	40.00												
A-10-68	9	12	3	2.5	83.33	0.83	27.67												
A-10-68	12	15	3	2.88	96.00	0.56	18.67												
A-10-68	15	18	3	2.63	87.67	0.93	31.00												
A-10-68	18	21	3	2.48	82.67	1.29	43.00												
A-10-68	21	24	3	2.54	84.67	1.21	40.33												
A-10-68	24	27	3	2.65	88.33	0.2	6.67												
A-10-68	27	30	3	2.5	83.33	0.92	30.67												
A-10-68	30	33	3	2.72	90.67	1.38	46.00												
A-10-68	33	36	3	2.55	85.00	0.65	21.67												
A-10-68	36	39	3	2.7	90.00	0.82	27.33												
A-10-68	39	42	3	2.79	93.00	0.61	20.33												
A-10-68	42	45	3	2.53	84.33	1.25	41.67												
A-10-68	45	48	3	2.66	88.67	0.36	12.00												
A-10-68	48	51	3	2.45	81.67	1.23	41.00												
A-10-68	51	54	3	2.72	90.67	0.81	27.00												
A-10-68	54	57	3	2.33	77.67	0	0.00												
A-10-68	57	60	3	2.79	93.00	0.82	27.33												
A-10-68	60	63	3	2.83	94.33	1.15	38.33												
A-10-68	63	66	3	2.47	82.33	0	0.00												
A-10-68	66	69	3	2.9	96.67	0.17	5.67												
A-10-68	69	72	3	2.57	85.67	1.17	39.00												
A-10-68	72	75	3	1.9	63.33	1.07	35.67												
A-10-68	75	78	3	2.87	95.67	2.3	76.67												
A-10-68	78	81	3	2.84	94.67	1.79	59.67												
A-10-68	81	84	3	2.87	95.67	1.26	42.00												
A-10-68	84	87	3	2.63	87.67	1.18	39.33												
A-10-68	87	90	3	2.77	92.33	0.69	23.00												
A-10-68	90	93	3	2.94	98.00	0.63	21.00												
A-10-68	93	96	3	2.9	96.67	1.96	65.33												
A-10-68	96	99	3	2.96	98.67	0.94	31.33												
A-10-68	99	102	3	2.92	97.33	1.7	56.67												
A-10-68	102	105	3	2.99	99.67	2.21	73.67												
A-10-68	105	108	3	2.91	97.00	1.16	38.67												
A-10-68	108	111	3	2.77	92.33	1.77	59.00												
A-10-68	111	114	3	2.84	94.67	1.8	60.00												
A-10-68	114	117	3	2.7	90.00	1.4	46.67												
A-10-68	117	120	3	2.9	96.67	0.79	26.33												
A-10-68	120	123	3	2.93	97.67	1.64	54.67												
A-10-68	123	126	3	2.83	94.33	0.49	16.33												
A-10-68	126	129	3	2.8	93.33	0.31	10.33												
A-10-68	129	132	3	3.02	100.67	0.27	9.00												
A-10-68	132	135	3	2.7	90.00	0.87	29.00												
A-10-68	135	138	3	2.83	94.33	1.87	62.33												
A-10-68	138	141	3	2.76	92.00	1.5	50.00												
A-10-68	141	144	3	3.08	102.67	2.37	79.00												
A-10-68	144	147	3	2.93	97.67	1.02	34.00												
A-10-68	147	150	3	2.64	88.00	1.55	51.67												
A-10-68	150	153	3	3.06	102.00	1.9	63.33												
A-10-68	153	156	3	2.76	92.00	0.62	20.67												
A-10-68	156	159	3	2.68	89.33	0.41	13.67												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-68	159	162	3	2.67	89.00	0.92	30.67												
A-10-68	162	165	3	2.64	88.00	1.03	34.33	50	50										
A-10-68	165	168	3	2.9	96.67	1.32	44.00	1					1						
A-10-68	168	171	3	2.7	90.00	0.89	29.67												
A-10-68	171	174	3	2.61	87.00	1.42	47.33												
A-10-68	174	177	3	2.92	97.33	1.07	35.67												
A-10-68	177	180	3	2.94	98.00	0.33	11.00												
A-10-68	180	183	3	2.96	98.67	1.85	61.67												
A-10-68	183	186	3	2.74	91.33	0.33	11.00												
A-10-68	186	189	3	2.4	80.00	0.35	11.67												
A-10-68	189	192	3	2.6	86.67	0.62	20.67												
A-10-68	192	195	3	2.32	77.33	0.28	9.33												
A-10-68	195	198	3	2.83	94.33	0.66	22.00												
A-10-68	198	201	5	2.95	59.00	0.14	2.80												
A-10-68	201	204	3	2.75	91.67	0	0.00												
A-10-68	204	207	3	2.78	92.67	0	0.00												
A-10-68	207	210	3	2.98	99.33	0.44	14.67												
A-10-68	210	213	3	2.58	86.00	1.02	34.00												
A-10-68	213	216	3	2.55	85.00	0.28	9.33												
A-10-68	216	219	3	2.75	91.67	0.22	7.33												
A-10-68	219	222	3	2.86	95.33	0.4	13.33												
A-10-68	222	225	3	2.79	93.00	0.9	30.00												
A-10-68	225	228	3	2.78	92.67	0	0.00												
A-10-68	228	231	3	2.87	95.67	0.4	13.33												
A-10-68	231	234	3	2.78	92.67	0.44	14.67												
A-10-68	234	237	3	2.56	85.33	0.17	5.67												
A-10-68	237	240	3	2.98	99.33	1.52	50.67	1					1						
A-10-68	240	243	3	2.9	96.67	1.12	37.33												
A-10-68	243	246	3	2.63	87.67	0.45	15.00												
A-10-68	246	249	3	2.77	92.33	1.47	49.00												
A-10-68	249	252	3	2.92	97.33	1.74	58.00												
A-10-68	252	255	3	2.98	99.33	1.44	48.00												
A-10-68	255	258	3	2.83	94.33	1.51	50.33												
A-10-68	258	261	3	2.9	96.67	2.12	70.67												
A-10-68	261	264	3	2.91	97.00	1.78	59.33	3			3								
A-10-68	264	267	3	2.91	97.00	1.8	60.00												
A-10-68	267	270	3	2.91	97.00	1.38	46.00												
A-10-68	270	273	3	2.96	98.67	2.26	75.33												
A-10-68	273	276	3	2.94	98.00	1.8	60.00												
A-10-68	276	279	3	2.87	95.67	1.02	34.00												
A-10-68	279	282	3	2.91	97.00	1.74	58.00												
A-10-68	282	285	3	2.95	98.33	2.15	71.67												
A-10-68	285	288	3	3	100.00	2.08	69.33												
A-10-68	288	291	3	2.9	96.67	1.15	38.33												
A-10-68	291	294	3	2.85	95.00	1.98	66.00												
A-10-68	294	297	3	2.76	92.00	0.88	29.33												
A-10-68	297	300	3	3.05	101.67	1.96	65.33												
A-10-68	300	303	3	2.74	91.33	2.09	69.67												
A-10-68	303	306	3	2.87	95.67	2.28	76.00												
A-10-68	306	309	3	2.7	90.00	1.7	56.67												
A-10-68	309	312	3	2.93	97.67	2.04	68.00												
A-10-68	312	315	3	2.93	97.67	1.71	57.00												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-68	315	318	3	2.71	90.33	1.93	64.33												
A-10-68	318	321	3	2.9	96.67	1.32	44.00												
A-10-68	321	324	3	2.72	90.67	2.08	69.33												
A-10-68	324	327	3	2.94	98.00	2.66	88.67												
A-10-68	327	330	3	2.82	94.00	2.16	72.00												
A-10-68	330	333	3	2.87	95.67	1.56	52.00												
A-10-68	333	336	3	2.75	91.67	1.81	60.33												
A-10-68	336	339	3	2.9	96.67	2.11	70.33												
A-10-68	339	342	3	2.87	95.67	2.03	67.67												
A-10-68	342	345	3	2.91	97.00	1.71	57.00												
A-10-68	345	348	3	2.8	93.33	1.16	38.67												
A-10-68	348	351	3	2.98	99.33	2.08	69.33												
A-10-68	351	354	3	2.8	93.33	1.91	63.67												
A-10-68	354	357	3	3.04	101.33	1.95	65.00												
A-10-68	357	360	3	2.83	94.33	1.07	35.67												
A-10-68	360	363	3	3	100.00	2.68	89.33												
A-10-68	363	366	3	3	100.00	2.26	75.33												
A-10-68	366	369	3	2.74	91.33	1.06	35.33												
A-10-68	369	372	3	2.74	91.33	2.08	69.33												
A-10-68	372	375	3	2.63	87.67	2.22	74.00												
A-10-68	375	378	3	2.92	97.33	1.96	65.33												
A-10-68	378	381	3	2.83	94.33	1.66	55.33												
A-10-68	381	384	3	2.91	97.00	2.51	83.67												
A-10-68	384	387	3	2.93	97.67	2.68	89.33												
A-10-68	387	388.62	1.62	1.97	121.60	1.66	102.47												
A-10-68	388.62	391.67	3.05	2.98	97.70	2.42	79.34												
A-10-68	391.67	394.72	3.05	3.01	98.69	2.48	81.31												
A-10-68	394.72	397.77	3.05	2.98	97.70	2.18	71.48	2					2						
A-10-68	397.77	400.82	3.05	2.97	97.38	2.46	80.66	1					1						
A-10-68	400.82	403.86	3.04	2.88	94.74	1.24	40.79												
A-10-68	403.86	406.91	3.05	2.83	92.79	1.69	55.41												
A-10-68	406.91	409.96	3.05	2.97	97.38	2.48	81.31												
A-10-68	409.96	413	3.04	2.72	89.47	2.02	66.45	1			1								
A-10-68	413	416.06	3.06	3.03	99.02	2.29	74.84												
A-10-68	416.06	419.1	3.04	2.95	97.04	2.43	79.93												
A-10-68	419.1	422.15	3.05	2.95	96.72	2.64	86.56	1			1								
A-10-68	422.15	425.2	3.05	2.71	88.85	2.03	66.56												
A-10-68	425.2	428.25	3.05	2.89	94.75	1.68	55.08												
A-10-68	428.25	431.5	3.25	2.86	88.00	1.93	59.38	1		1									
A-10-68	431.5	434.34	2.84	3.1	109.15	2.6	91.55												
A-10-68	434.34	437.39	3.05	3.1	101.64	2.26	74.10												
A-10-68	437.39	440.44	3.05	2.98	97.70	2.46	80.66												
A-10-68	440.44	443.49	3.05	2.82	92.46	1.9	62.30	1		1									
A-10-68	443.49	446.54	3.05	2.9	95.08	1.55	50.82												
A-10-68	446.54	449.59	3.05	3.04	99.67	1.54	50.49												
A-10-68	449.59	452.63	3.04	2.93	96.38	2.36	77.63												
A-10-68	452.63	455.68	3.05	2.98	97.70	1.53	50.16	1		1									
A-10-68	455.68	458.68	3	2.63	87.67	1.05	35.00	1		1									
A-10-68	458.68	461.78	3.1	2.84	91.61	1	32.26	1			1								
A-10-68	461.78	464.83	3.05	2.82	92.46	1.88	61.64	1		1									
A-10-68	464.83	467.87	3.04	2.95	97.04	1.76	57.89												
A-10-68	467.87	470.92	3.05	2.84	93.11	1.76	57.70	1		1									

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-68	470.92	473.97	3.05	2.8	91.80	2.38	78.03	9	9										
A-10-68	473.97	477.02	3.05	3.11	101.97	2.23	73.11												
A-10-68	477.02	480.07	3.05	3.13	102.62	2.6	85.25												
A-10-68	480.07	483.07	3	2.85	95.00	2.12	70.67	1			1								
A-10-68	483.07	486.16	3.09	2.91	94.17	2.17	70.23												
A-10-68	486.16	489.21	3.05	2.71	88.85	1.55	50.82												
A-10-68	489.21	492.26	3.05	2.84	93.11	1.2	39.34												
A-10-68	492.26	495.31	3.05	2.86	93.77	1.63	53.44												
A-10-68	495.31	498.35	3.04	2.83	93.09	1.7	55.92												
A-10-68	498.35	501.4	3.05	2.91	95.41	2.1	68.85	1			1								
A-10-68	501.4	504.45	3.05	2.86	93.77	2.03	66.56												
A-10-68	504.45	507.5	3.05	2.8	91.80	2.18	71.48												
A-10-68	507.5	510.55	3.05	2.93	96.07	2.15	70.49												
A-10-68	510.55	513.59	3.04	2.96	97.37	1.04	34.21	2		1									
A-10-68	513.59	516.64	3.05	2.85	93.44	2.28	74.75	4		3	1								
A-10-68	516.64	519.69	3.05	3.03	99.34	2.63	86.23							1				1	
A-10-68	519.69	522.74	3.05	3	98.36	2.43	79.67	1		1									
A-10-68	522.74	525.79	3.05	3.04	99.67	1.5	49.18	9	1										
A-10-68	525.79	528.83	3.04	3.03	99.67	2.08	68.42												
A-10-68	528.83	531.88	3.05	3.03	99.34	2.46	80.66	1		1									
A-10-68	531.88	534.93	3.05	2.81	92.13	2.23	73.11												
A-10-68	534.93	537.98	3.05	2.93	96.07	2.7	88.52												
A-10-68	537.98	541.03	3.05	2.9	95.08	2.44	80.00												
A-10-68	541.03	544.07	3.04	2.97	97.70	2	65.79	1			1								
A-10-68	544.07	547.12	3.05	2.86	93.77	2	65.57	1			1								
A-10-68	547.12	550.17	3.05	3	98.36	1.12	36.72												
A-10-68	550.17	553.22	3.05	2.73	89.51	1.55	50.82	11	9	2									
A-10-68	553.22	556.27	3.05	2.91	95.41	2.31	75.74	14	8	4	1		1						
A-10-68	556.27	559.31	3.04	3	98.68	2.05	67.43												
A-10-68	559.31	562.36	3.05	2.85	93.44	2.45	80.33												
A-10-68	562.36	565.41	3.05	2.87	94.10	1.2	39.34	7	6				1						
A-10-68	565.41	568.46	3.05	2.9	95.08	2.02	66.23	3	2		1								
A-10-68	568.46	571.51	3.05	2.66	87.21	0.4	13.11	1		1									
A-10-68	571.51	574.55	3.04	2.95	97.04	1.78	58.55	13	1	1									
A-10-68	574.55	577.6	3.05	2.66	87.21	1.42	46.56	5			4		1						
A-10-68	577.6	580.65	3.05	2.84	93.11	1.9	62.30												
A-10-68	580.65	583.7	3.05	2.9	95.08	1.67	54.75	1					1						
A-10-68	583.7	586.75	3.05	3	98.36	1.46	47.87												
A-10-68	586.75	589.8	3.05	2.58	84.59	1.14	37.38												
A-10-68	589.8	592.97	3.17	3	94.64	0.65	20.50	2					2						
A-10-68	592.97	596.02	3.05	2.95	96.72	1.19	39.02	6			2	2	2						
A-10-68	596.02	599.07	3.05	2.9	95.08	0.68	22.30	2				2							
A-10-68	599.07	602.12	3.05	2.92	95.74	1.76	57.70	2				1	1						
A-10-68	602.12	605.17	3.05	3	98.36	2.37	77.70	1			1								
A-10-68	605.17	608.23	3.06	3.08	100.65	2.17	70.92	4					4						
A-10-68	605.17	608.23	3.06	3.08	100.65	2.17	70.92	4					4						
A-10-68	608.23	611.28	3.05	2.81	92.13	2.36	77.38	4					4						
A-10-68	611.28	614.33	3.05	2.81	92.13	2.62	85.90												
A-10-68	614.33	617.38	3.05	2.76	90.49	1.33	43.61												
A-10-68	617.38	620.43	3.05	3.09	101.31	2.92	95.74	2					2						
A-10-68	620.43	623.48	3.05	2.95	96.72	1.13	37.05												
A-10-68	623.48	626.52	3.04	2.87	94.41	2.36	77.63												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-68	626.52	629.57	3.05	2.84	93.11	2.65	86.89												
A-10-68	629.57	632.62	3.05	2.7	88.52	1.61	52.79	2			1	1							
A-10-68	632.62	635.67	3.05	2.95	96.72	2.3	75.41	1					1						
A-10-68	635.67	638.72	3.05	2.93	96.07	2.15	70.49	4			1	1	2						
A-10-68	638.72	641.77	3.05	2.84	93.11	1.41	46.23	3			1	2							
A-10-68	641.77	644.82	3.05	3.1	101.64	1.8	59.02	15		8	7								
A-10-68	644.82	647.87	3.05	3	98.36	2.07	67.87	13		6	4	3							
A-10-68	647.87	650.92	3.05	3.08	100.98	2.9	95.08	1		1									
A-10-68	650.92	653.96	3.04	3.1	101.97	2.4	78.95												
A-10-68	653.96	657.01	3.05	3	98.36	1.5	49.18												
A-10-68	657.01	660.06	3.05	2.91	95.41	1.11	36.39												
A-10-68	660.06	663.11	3.05	3.1	101.64	2.14	70.16												
A-10-68	663.11	666.16	3.05	2.97	97.38	2.05	67.21												
A-10-68	666.16	669.21	3.05	3.04	99.67	2.58	84.59												
A-10-68	669.21	672.26	3.05	3	98.36	2.64	86.56												
A-10-68	672.26	675.30	3.04	2.82	92.76	2.46	80.92												
A-10-68	675.30	678.35	3.05	2.8	91.80	1.74	57.05												
A-10-68	678.35	681.40	3.05	3	98.36	0.89	29.18												
A-10-68	681.40	684.45	3.05	2.7	88.52	0.62	20.33												
A-10-68	684.45	687.50	3.05	2.94	96.39	1.27	41.64												
A-10-68	687.5	690.55	3.05	2.8	91.80	0.44	14.43												
A-10-68	690.55	693.60	3.05	2.7	88.52	1.31	42.95												
A-10-68	693.6	696.65	3.05	2.75	90.16	1.47	48.20												
A-10-68	696.65	699.70	3.05	2.87	94.10	0.67	21.97												
A-10-68	699.7	702.74	3.04	3	98.68	2.47	81.25												
A-10-68	702.74	705.79	3.05	2.98	97.70	1.11	36.39												
A-10-68	705.79	708.84	3.05	2.87	94.10	1.02	33.44												
A-10-68	708.84	711.89	3.05	2.93	96.07	1.55	50.82												
A-10-68	714.76	717.81	3.05	2.93	96.07	1.12	36.72												
A-10-68	717.81	720.86	3.05	2.73	89.51	2.15	70.49												
A-10-68	720.86	723.91	3.05	3	98.36	2.23	73.11												
A-10-68	723.91	726.96	3.05	2.89	94.75	1.12	36.72												
A-10-68	726.91	730.01	3.1	2.5	80.65	1.39	44.84												
A-10-68	730.01	733.05	3.04	2.99	98.36	2.29	75.33												
A-10-68	733.05	736.1	3.05	2.94	96.39	1.96	64.26												
A-10-68	736.1	739.15	3.05	2.6	85.25	1.45	47.54												
A-10-68	739.15	742.2	3.05	2.7	88.52	1.9	62.30												
A-10-68	742.2	745.25	3.05	3	98.36	2.72	89.18												
A-10-68	745.25	748.29	3.04	2.84	93.42	1.27	41.78												
A-10-68	748.29	751.34	3.05	2.39	78.36	1.62	53.11												
A-10-68	751.34	754.39	3.05	2.95	96.72	2.46	80.66												
A-10-68	754.39	757.44	3.05	2.9	95.08	1.42	46.56												
A-10-68	757.44	760.49	3.05	3.05	100.00	2.95	96.72												
A-10-68	760.49	763.53	3.04	3.04	100.00	2.72	89.47												
A-10-68	763.53	766.58	3.05	3.05	100.00	2.92	95.74												
A-10-68	766.58	769.63	3.05	3.05	100.00	2.52	82.62												
A-10-68	769.63	772.68	3.05	2.95	96.72	2.03	66.56												
A-10-68	772.68	775.73	3.05	2.8	91.80	1.92	62.95												
A-10-68	775.73	778.77	3.04	3	98.68	0.95	31.25												
A-10-68	778.78	781.82	3.04	2.9	95.25	0.79	25.95												
A-10-68	781.82	784.87	3.05	3	98.38	1.43	46.90												
A-10-68	784.87	787.92	3.05	2.95	96.81	1.20	39.38												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-68	787.92	790.97	3.05	2.89	94.75	1.83	60.00												
A-10-68	790.97	794.01	3.04	3.02	99.34	2.79	91.78												
A-10-68	794.01	797.06	3.05	2.82	92.46	1.90	62.30												
A-10-68	797.06	800.11	3.05	2.96	97.09	1.48	48.55												
A-10-68	800.11	803.16	3.05	2.94	96.39	1.12	36.72												
A-10-68	803.16	806.21	3.05	3	98.36	1.14	37.38												
A-10-68	806.21	808.29	2.08	2.08	100.00	1.94	93.27												

COAST MOUTAIN GEOLOGICAL LTD.
DRILL HOLE COVER SHEET

PROPERTY: Akie Property **DRILL HOLE #: A-10-69** **LOGGED BY: Nick Johnson, Scott Dowler** **COVER SHEET DATE: August 13, 2010**

DDH COLLAR LOCATION

PROPOSED

LOCAL GRID
NORTH:
EAST:
ELEVATION:

DATUM: NAD 83 Zone 10
UTM CO-ORDS
NORTHING: 6361641m
EASTING: 387441m
ELEVATION: 1475m

SURVEYED

LOCAL GRID
NORTH:
EAST:
ELEVATION:

UTM CO-ORDS
NORTHING:
EASTING:
ELEVATION:

DDH COLLAR ORIENTATION

PROPOSED
AZIMUTH: 50
DIP: -76

SURVEYED
AZIMUTH:
DIP:

DDH LENGTH

PROPOSED
LENGTH: 425m

ACTUAL
LENGTH: 236m

DOWN HOLE SURVEY

SURVEY TYPE: Reflex EZ-Shot

DISTANCE	AZIMUTH	DIP	ACPTED	COMMENTS
0	50	-76	Yes	
20	48.78	-76.8	Yes	
50	47.38	-75.7	Yes	
80	46.78	-75.2	Yes	
110	43.78	-73.8	Yes	
140	42.88	-72.8	Yes	
170	42.18	-72.2	Yes	
200	42.48	-71.7	Yes	
230	42.28	-71.3	Yes	

DRILLING INFORMATION

CONTRACTOR: Rodren Drilling

CORE DIAMETER: HQ
DATE STARTED: July 10, 2010
DATE COMPLETED: 16-Jul-10
CAPPED: Yes
CASING: Yes
UNITS: METRIC: X IMPERIAL:

HOLE OBJECTIVE: Testing NW strike extension of the Cardiac Creek deposit between target elevation of 1000-1200m.

HOLE SUMMARY:

Note: Magnetic declination at 20.78 degrees to the East

The entire hole, from 0m to 236m, was drilled through Gunsteel shales with distal Py and or Ba mineralisation from 13.16 - 52.7m, 99.7 - 121.50, 157.1 - 160.48, and 168.52 - 178.60m. The Cardiac Creek zone was intercepted from 207.05m - 225.52m and appears to be cut off by a thrust fault. The hole was eventually abandoned in this thrust panel because the rods were stuck.

Note: Lab reported preparation errors for samples 639937 to 639942. Samples were quartered and reanalysed.

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-69	0	7.62	7.62	Casing/Overburden	Casing/Overburden	CS		CS
A-10-69	7.62	13.16	5.54	Black siliceous mudstone	Black, very fine-grained, siliceous, mudstone. The top of the hole is very broken up, with blocky, crumbl poker chip core, with moderate amounts of limonite (FeO) staining on weathered cleavage/fracture planes. The mudstone is featureless.	4SH		GSF
A-10-69	13.16	52.7	39.54	Black siliceous Gunsteel mudstone hosting minor boudinaged barite beds and pyritized silt beds	Black, very fine-grained, siliceous, mudstone exhibiting one dominant cleavage of ~35 to CA. It's a gradational contact with the upper mudstone unit where, at 13.16m, we begin to see pyritized silt beds, possible tops down hole at 16.73m and 17.50m, interlaminated with limey mudstone scattered throughout the unit. Also present are 2-10cm wide bands consisting of mm sized, white, with brassy pyritic centers of nodular barite beds interlaminated with very faint, very fine grained dull brown pyrite laminations and mudstone. These bands are scattered throughout the unit, though they appear to be more frequent near the top of the unit. Brittle faults are common throughout the interval, characterised b rubble, gouge and ground up core. Scattered qtz-carb veinlets are present throughout the unit. Localized sections of fine grained, disseminated, brassy pyrite.	4SH	4BSH	GSF
A-10-69	52.7	99.7	47	Black siliceous carbonaceous mudstone hosting concretions	Black, very fine-grained, siliceous, carbonaceous mudstone, containing localized fine grained, brassy, disseminated Py throughout, and hosting abundant, randomly oriented, quartz carbonate veins/veinlets at the beginning of the unit. Occasional cm wide laminations of pyritized silt are found throughout unit. There is also abundant quartz carbonate veining preceding and following a massive fault zone (66.27m-87.1m) with abundant rubbly, ground-up, graphitic core and fault gouge. Towards the bottom of the gunsteel unit the concretion content increases. These concretions are between 1-2cm in diameter, they contain coarser grained (visible without hand lense), brassy disseminated pyrite and have a carbonate halo around the outer rim, which in some cases also contains disseminated pyrite. There is also a veinlet zone from 93.36-93.86m that has been 70% replaced by coarse grained, brassy-yellow, cubic pyrite.	4SH		GSF
A-10-69	99.7	121.5	21.8	Black siliceous carbonaceous mudstone hosting nodular Ba beds and Py laminations	Black, siliceous, very hard, carbonaceous featureless mudstone hosting abundant 2-10cm+ thick bands consisting of white, carbonate replaced with bright brassy yellow Py centers nodular Ba beds interlaminated with very faint, very fine grained, dull brown, very thinly laminated Py laminations and the host mudstone. The top of the unit is marked by a light grey, calcareous pyritic siltstone/limy mud bed. There are scattered Qtz, Carb, Py veinlets throughout the unit oriented preferentially at 30-40 deg to the CA.	4BSH	4PYSH	GSF
A-10-69	121.5	157.1	35.6	Black siliceous carbonaceous mudstone.	Black, siliceous, very hard, carbonaceous featureless mudstone. There is the ocassional pyritic lighter grey calcareous siltstone/limy mud bed as well as localized sections of coarse grained, brassy, disseminated pyrite. Localized sections of graphitic concretions?? giving the appearance of a bird's eye texture. These 1-2mm sized, spherical features are visible as impressions and bumps on cleavage planes and when the rock is wet they appear jet black; blacker than the surrounding moderately hard, black mudstone. There are also localized sections hosting brassy, yellow pyrite blebs (possibly boudinaged silty pyritic beds). Towards the bottom of the gunsteel unit the concretion content increases. These concretions are between 1-2cm in diameter, they contain coarser grained (visible without hand lense), brassy disseminated pyrite and have a carbonate halo around the outer rim, which in some cases also contains disseminated pyrite.Veining consists of a few scattered Qtz, Carb veinlets throughout the interval oriented predominantly parallel to the cleavage at 20-30 deg to the CA.	4SH		GSF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-69	157.1	160.48	3.38	Black siliceous carbonaceous mudstone hosting nodular Ba beds and Py laminations	Black, siliceous, very hard, carbonaceous featureless mudstone hosting abundant 2-20cm+ thick bands consisting of white, carbonate replaced with bright brassy yellow Py centers nodular Ba beds interlaminated with very faint, very fine grained, dull brown, very thinly laminated Py laminations and the host mudstone. The upper contact is a sharp transition into the nodular barite beds and the lower contact is a sharp transition back into featureless mudstone. There are a few scattered quartz, carb stringer veinlets, mirroring the secondary cleavage at an angle of 150 degrees to CA.	4PYSH	4BSH	GSF
A-10-69	160.48	168.52	8.04	Black siliceous carbonaceous mudstone.	Black, siliceous, very hard, carbonaceous featureless mudstone. There is the ocassional pyritic lighter grey calcareous siltstone/limy mud bed as well as localized sections of coarse grained, brassy, disseminated pyrite. Towards the bottom of the gunsteel unit the concretion content increases. These concretions are large, ranging from 2-10+cm in diameter, they contain coarser grained (visible without hand lense), brassy disseminated pyrite and have a carbonate halo around the outer rim, which in some cases also contains disseminated pyrite.Veining consists of a few scattered Qtz, Carb veinlets throughout the interval oriented predominantly parallel to the cleavage at 20-30 deg to the CA. The bottom contact is marked by a silt bed displaying possible flame structures, suggesting tops uphole?	4SH		GSF
A-10-69	168.52	178.6	10.08	Black siliceous carbonaceous mudstone hosting nodular Ba beds and Py laminations	Black, siliceous, very hard, carbonaceous featureless mudstone hosting abundant 2-20cm+ thick bands consisting of white, carbonate replaced with bright brassy yellow Py centers nodular Ba beds interlaminated with very faint, very fine grained, dull brown, very thinly laminated Py laminations and the host mudstone. There are scattered Qtz, Carb, Py veinlets throughout the unit oriented preferentially at 40 and 150 deg to the CA. Towards the bottom of the hole the nodular barite beds begin to parallel the CA. The bottom contact, at 178.6m, is a sharp contact with a minor fault that cross cuts a nodular barite bed displcing it so the down drill portion of the bed is no longer visible.	4PYSH	4BSH	GSF
A-10-69	178.6	207.05	28.45	Black siliceous carbonaceous mudstone.	Black, very fine-grained, siliceous, carbonaceous, generally featureless mudstone, containing localized fine grained, brassy, disseminated Py throughout, and hosting a few, randomly oriented, quartz carbonate veins/veinlets throughout the unit. There are also localized zones of pyrite blebs. The majority of the unit consists of randomly spaced fault zones comprised of blocky, rubbly ground up core and fault gouge. Preceding the last fault in this unit are two isolated bands nodualr barite that have been replaced by carbonate with bright brassy yello Py centers.	4SH		GSF
A-10-69	207.05	225.52	18.47	Black siliceous carbonaceous mudstone hosting massive Py beds with minor Sp.	Black, very fine grained, very hard, siliceous mudstone interbedded with 2-75cm wide sulphide beds consisting of; very fine grained, dull brown, very thinly laminated pyrite; with sub mm elongated grey barite nodules replaced by white carbonate and bright brassy yellow Py centers; <mm thick laminations of host mudstone; and very minor creamy steel grey Sp laminations intermixed with Py. These Sp rich bands appear to be concentrated along the contact of the sulphide beds with host mudstones. Scattered throughout the sulphide beds are variably sized, subrounded to spherical, medium gray, calcareous clasts. Some appear to be bedded and others have fine white carbonate rims. There are also scattered banded carbonate, Qtz veins? in contact with the sulphide beds. Within the host mudstone beds there are localised patches of fine grained Py lenses. There appears to be a fold occuring at 216.69m with the axial plane possibly marked by some Qtz, Carb veining. The upper contact is marked by a Qtz, Carb vein zone and brittle faulting and the lower contact is marked by an intense brittle fault.	4MPSH	4CC	GSF
A-10-69	225.52	236	10.48	Black siliceous carbonaceous mudstone	Black siliceous, carbonaceous mudstone which has been intensely faulted and broken up. Pieces of rubble display bright brassy yellow Py layers.	4SH		GSF
					END OF HOLE			

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	ALT	INTENSITY
A-10-69	124	125	1	A light grey with a blue tint, very hard, silicification of the wall rock surrounding a small Qtz, carb veinlet zone. There appears to be bright brassy yellow, euhedral Py mineralisaiton associated with the alteration. The contacts of the silicification are very gradational with the surrounding wall rock	SILC	MOD
A-10-69	210.36	210.53	0.17	A light blue to grey, very hard, siliceous alteration halo, with bright brassy yellow, euhedral Py mineralization, surrounding a quartz carbonate vein zone. The upper contact is very gradational whereas, the lower contact is very sharp in contact with a sulphide bed.	SILC	Weak/Mod

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	PY %	SP %	GA %	BA %	CP %	PO %
A-10-69	13.16	29.63	16.47	Weak development of 2-10cm bands consisting of sub mm white nodular Ba beds interlaminated very faint, very fine grained dull brown Py mineralisation and mudstone.the Ba nodules are typically replaced by white carbonate and contain bright brassy yellow Py centers. These bands are also typically associated with light to medium grey limy mud or silty beds which are typically pyritic with bright brassy yellow Py.	0.5			1		
A-10-69	99.7	121.5	21.8	moderate development of 2-10cm thick beds oriented predominantely sub parallel to the CA. These bands consist of white carbonate replaced, bright brassy yellow Py centered nodular Ba beds interlaminated with very faint, very fine grained, dull brown, very thinly laminated Py laminations.	0.75			2		
A-10-69	207.05	225.62	18.57	Massive sulphide beds, 2-75cm thick consisting of: very fine grained, dull brown, very thinly laminated Py; fine grained grey elongated nodular Ba beds which have been partially to completely replaced by white carbonate and typically contain bright brassy yellow Py centers; minor amounts of steel to creamy grey veyr fine grained Sp. The Sp beds typically occur along the upper or lower contacts of the sulphide beds.	30	1		1		

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-69	25.51	28.79	3.28	Qtz/carb vein zone generally oriented parallel to cleavage and consisting of mm to 15cm wide veinlets. Also note part of the vein zone is occurring through a fault zone. No mineralization present within veins.	5	
A-10-69	30.3	30.34	0.04	4cm wide, grey to off-white, quartz-carb vein containing trace amounts of fine grained brassy yellow pyrite.	100	
A-10-69	32.41	32.51	0.1	Qtz/carb vein interlayered with the host rock mudstone. It's a zone of veining that appears to have repeatedly broken up a fracture	75	
A-10-69	50.2	53.6	3.4	Zone of quartz carbonate stringer veins/veinlets, generally paralleling cleavage. No mineralization present.	2	
A-10-69	60.79	62.78	1.99	A zone following a fault containing abundant, variably oriented, mm-3cm wide, quartz-carbonate veins/veinlets. Some quartz-carbonate fills what appear to be extensional fractures. There is localized breccia of host rock; possibly a healed fault? No mineralization present anywhere within this zone.	30	
A-10-69	62.87	64.27	1.4	A zone of veining consisting of 1-2cm wide, quartz carbonate veins, generally oriented at 40 degrees to CA and seperated in relatively regular intervals of ~20cm by siliceous, black mudstone. There is no mineralization within these veins.	8	40
A-10-69	64.57	67.77	3.2	A zone containing abundant mm to 1cm wide quartz carbonate veins/veinlets randomly oriented and containing no visible mineralization. Host rock, mudstone, is very brecciated and highly silicified. This zone preludes a massive fault zone.	50	
A-10-69	86.5	89.25	2.75	a vein zone containing intense finely layered silica, Qtz carb veinlets and filled fractures bordering a large brittle fault zone. The veining produced a slight silicified alteration halo in the surrounding wall rock. There is no visible mineralisation present in the vein zone.	30	
A-10-69	127	128.3	1.3	A small Qtz, Carb stringer zone and surrounding silicified alteration halo of the wall rock. The veinlets host abundant bright brassy yellow Py mineralisation and are oriented predominantly at 25-30 deg to the CA parallel to the cleavage	10	30
A-10-69	150.93	156.64	5.71	A quartz, carb stringer zone, generally oriented 30 degrees to CA, accompanied by a few scattered 1-2cm wide quartz carb veins hosting coarser grained, brassy, yellow, cubic pyrite. A few tiny grains of red-brown sphalerite are found in a vein oriented 30 degrees to CA (@152.58m).	10	
A-10-69	162.12	168.15	6.03	A quartz, carb stringer zone, generally oriented 25 degrees to CA, accompanied by a couple 3-4cm wide vein/veinlet zones hosting abundant coarse grained, cubic, brassy, yellow pyrite throughout as well as large portions of brecciated host black mudrock.	5	
A-10-69	206	210.53	4.53	An intense Qtz, carbonate vein zone situated at the lower contact of an intense brittle fault with abundant mm sized stringers and veinlets variably oriented and locally brecciating the host shales/mudstone. There is rare Py and red-brown Sp? mineralisation.		

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-69	16.4	16.41	0.01	Nodular Ba Bed	BDG	160
A-10-69	16.73	16.74	0.01	Pyritic Silt Bed	BDG	80
A-10-69	17.3	17.31	0.01	Cleavage	CLV	60
A-10-69	17.5	17.51	0.01	Pyritic Silt Bed	BDG	140
A-10-69	18.17	18.18	0.01	Nodular Ba Bed	BDG	60
A-10-69	18.95	18.96	0.01	Limey mud bed	BDG	80
A-10-69	21.59	21.6	0.01	Pyritic Silt Bed	BDG	75
A-10-69	23.21	23.22	0.01	Silt bed	BDG	60
A-10-69	23.44	23.45	0.01	Cleavage	CLV	45
A-10-69	24	24.01	0.01	Nodular Ba Bed	BDG	55
A-10-69	24.4	25	0.6	Fault zone with weakly developed fault gouge along fracture planes along with rubble and blocky core	FLT	
A-10-69	25.28	25.29	0.01	Limey mud bed	BDG	50
A-10-69	26	26.7	0.7	Fault zone characterized by rubbly, blocky and ground-up core, as well as moderate amounts of fault gouge. Carbonate veining has healed a good portion of the zone, but is still quite crumbly.	FLT	
A-10-69	26.84	26.85	0.01	Cleavage	CLV	45
A-10-69	27.58	27.68	0.1	Minor fault zone defined by blocky, rubbly core. Minor qtz-carb veining within rubble chunks.	FLT	
A-10-69	28.64	28.65	0.01	Pyritic Silt Bed	BDG	60
A-10-69	28.81	28.82	0.01	Pyrite Lamination	BDG	60
A-10-69	29.27	29.28	0.01	Pyrite Lamination	BDG	60
A-10-69	29.81	29.82	0.01	Nodular Ba Bed	BDG	70
A-10-69	30.01	30.02	0.01	Cleavage	CLV	30
A-10-69	31.26	31.27	0.01	Pyritic Silt Bed	BDG	60
A-10-69	31.4	33	1.6	Fault zone characterized by moderately well-developed rubbly, blocky core with no gouge present.	FLT	
A-10-69	33.4	33.82	0.42	Fault zone characterized by moderately well-developed rubbly, blocky core with no gouge present.	FLT	
A-10-69	35.29	35.3	0.01	Cleavage	CLV	25
A-10-69	36.42	38.34	1.92	Fault zone characterized by moderately well-developed rubbly, blocky core with minor gouge present. Some cleavage and fracture planes display polished graphite and slickensides.	FLT	
A-10-69	38.47	38.48	0.01	Cleavage	CLV	35
A-10-69	39.37	40.35	0.98	Fault zone characterized by blocky, rubbly ground-up core with minor amounts of gouge and some graphitic partings along cleavage/fracture planes	FLT	

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-69	44.84	49.05	4.21	Fault zone with abundant rubble, characterized by poker chip core and sections of consolidated fault gouge. Some cleavage and fracture planes display polished graphite and slickensides.	FLT	
A-10-69	49.18	49.19	0.01	Nodular Ba Bed	BDG	15
A-10-69	49.76	49.77	0.01	Cleavage	CLV	45
A-10-69	50.53	50.54	0.01	Cleavage	CLV	45
A-10-69	51.37	51.38	0.01	Nodular Ba Bed	BDG	15
A-10-69	51.61	51.62	0.01	Nodular Ba Bed	BDG	10
A-10-69	53.61	53.62	0.01	Nodular Ba Bed	BDG	20
A-10-69	53.6	53.61	0.01	Cleavage	CLV	45
A-10-69	53.81	55.67	1.86	Fault zone with abundant rubble, characterized by poker chip core and sections of consolidated fault gouge. Some cleavage and fracture planes display polished graphite and slickensides.	FLT	
A-10-69	56.74	56.75	0.01	Cleavage	CLV	40
A-10-69	58.83	60.79	1.96	Fault zone with blocky, rubbly, ground-up core and some consolidated gouge. The rubble and blocky core throughout this section contain an abundance of quartz carbonate veins and veinlets. This fault zone preceeds a highly altered zone of quartz carbonate veins	FLT	
A-10-69	64.34	64.35	0.01	Silt bed	BDG	45
A-10-69	64.48	64.49	0.01	Pyritic Silt Bed	BDG	85
A-10-69	65.21	65.47	0.26	Fault zone characterized by blocky, rubbly ground-up core with minor amounts of gouge and some graphitic partings along cleavage/fracture planes	FLT	
A-10-69	65.85	66.38	0.53	Fault zone consisting of pebble sized rubble and consolidated, graphitic fault gouge.	FLT	
A-10-69	67.52	87.1	19.58	Massive fault zone consisting of broken, blocky, rubbly, ground up core with graphitic partings along cleavage/fracture planes. There are also large sections of consolidated fault gouge throughout this section. The fault is both preceeded and followed by a massive qtz/carb vein zone.	FLT	
A-10-69	92	92.01	0.01	Cleavage	CLV	25
A-10-69	94.5	94.51	0.01	Cleavage	CLV	25
A-10-69	97.92	97.93	0.01	Cleavage	CLV	30
A-10-69	100.82	100.83	0.01	Pyritic Silt Bed	BDG	180
A-10-69	103.72	103.73	0.01	Cleavage	CLV	30
A-10-69	106.5	106.51	0.01	Py Lamination	BDG	175
A-10-69	107.17	107.18	0.01	Pyritic Silt Bed	BDG	170

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-69	108.25	108.26	0.01	Nodular Ba Bed	BDG	175
A-10-69	110.08	110.09	0.01	Nodular Ba Bed	BDG	175
A-10-69	113	113.01	0.01	Cleavage	CLV	30
A-10-69	114	114.01	0.01	Pyritic Silt Bed	BDG	170
A-10-69	114.15	114.16	0.01	Cleavage	CLV	25
A-10-69	116.48	116.49	0.01	Cleavage	CLV	25
A-10-69	116.6	116.61	0.01	Nodular Ba Bed	BDG	170
A-10-69	117.7	117.71	0.01	Nodular Ba Bed	BDG	165
A-10-69	118.5	118.68	0.18	Fault zone with rubble, ground up core and minor gouge present along fracture planes	FLT	
A-10-69	119.3	119.31	0.01	Nodular Ba Bed	BDG	170
A-10-69	119.75	120.5	0.75	Fault zone with blocky core, rubble and minor gouge present along fracture planes oriented at 35 deg to the CA	FLT	35
A-10-69	121.5	121.51	0.01	Nodular Ba Bed	BDG	165
A-10-69	122	122.01	0.01	Cleavage	CLV	30
A-10-69	125.85	125.95	0.1	Pyritic Silt Bed	BDG	50
A-10-69	126.63	126.64	0.01	Pyrite layer	BDG	30
A-10-69	128.47	128.48	0.01	Cleavage	CLV	30
A-10-69	130.91	130.92	0.01	Cleavage	CLV	30
A-10-69	132.92	132.93	0.01	Cleavage	CLV	30
A-10-69	133.26	146	12.74	Major fault zone characterized by blocky, pokerchip core, with graphitic partings on cleavage planes and localized gouge. Within the fault zone there are two 0.5m sections of competent core.	FLT	
A-10-69	146.97	146.98	0.01	Cleavage	CLV	35
A-10-69	147.54	147.55	0.01	Cleavage	CLV	20
A-10-69	148.31	149.27	0.96	Fault zone consisting of blocky rubble and minor gouge along cleavage/fracture planes	FLT	
A-10-69	150.88	150.89	0.01	Cleavage	CLV	20
A-10-69	153.39	153.6	0.21	Minor fault characterized by blocky, rubbly, fissile core	FLT	
A-10-69	154.78	154.79	0.01	Cleavage	CLV	35
A-10-69	156.64	156.65	0.01	Cleavage	CLV	25
A-10-69	157.07	157.08	0.01	Nodular Ba Bed	BDG	95
A-10-69	157.27	157.28	0.01	Nodular Ba Bed	BDG	110
A-10-69	157.87	157.88	0.01	Nodular Ba Bed	BDG	90
A-10-69	158.09	158.1	0.01	Nodular Ba Bed	BDG	100
A-10-69	158.17	158.18	0.01	Nodular Ba Bed	BDG	90
A-10-69	158.26	158.27	0.01	Nodular Ba Bed	BDG	85
A-10-69	158.55	158.56	0.01	Nodular Ba Bed	BDG	70
A-10-69	158.78	158.79	0.01	Pyitic silt bed	BDG	85
A-10-69	159.05	159.06	0.01	Secondary cleavage	CLV	150

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-69	159.94	159.95	0.01	Cleavage	CLV	25
A-10-69	160.12	160.13	0.01	Nodular Ba Bed	BDG	115
A-10-69	160.27	160.28	0.01	Pyrite Lamination	BDG	80
A-10-69	160.38	160.39	0.01	Nodular Ba Bed	BDG	90
A-10-69	161.21	161.22	0.01	Pyritic Silt Bed	BDG	90
A-10-69	161.6	161.61	0.01	Pyritic Silt Bed	BDG	105
A-10-69	164.74	164.75	0.01	Cleavage	CLV	25
A-10-69	167.62	167.63	0.01	Cleavage	CLV	20
A-10-69	168.21	168.22	0.01	Silt bed	BDG	140
A-10-69	168.44	168.45	0.01	Silt bed	BDG	120
A-10-69	168.84	168.85	0.01	Nodular Ba Bed	BDG	105
A-10-69	169.15	169.16	0.01	Nodular Ba Bed	BDG	120
A-10-69	170.03	170.04	0.01	Cleavage	CLV	25
A-10-69	171	171.01	0.01	Nodular Ba Bed	BDG	140
A-10-69	171.98	171.99	0.01	Cleavage	CLV	30
A-10-69	173.02	173.03	0.01	Nodular Ba Bed	BDG	150
A-10-69	173.61	173.62	0.01	Nodular Ba Bed	BDG	140
A-10-69	175.76	175.77	0.01	Nodular Ba Bed	BDG	160
A-10-69	176	176.01	0.01	Cleavage	CLV	40
A-10-69	176.84	176.85	0.01	Cleavage	CLV	40
A-10-69	177.58	177.59	0.01	Nodular Ba Bed	BDG	180
A-10-69	178.28	178.29	0.01	Nodular Ba Bed	BDG	170
A-10-69	178.56	178.57	0.01	Minor fault displacing a nodular barite bed. Graphitic partings and slickensides evident on cleavage/ fracture plane.	FLT	40
A-10-69	178.66	178.78	0.12	Minor fault with blocky, rubbly graphitic core.	FLT	
A-10-69	180.24	180.25	0.01	Cleavage	CLV	40
A-10-69	180.84	180.85	0.01	Cleavage	CLV	55
A-10-69	181.17	185.94	4.77	Large Fault zone characterized by blocky, rubbly, ground up core and localized zones of fault gouge. Minor quartz/carb veinlets are observed in some rubble chunks. Many cleavage/fracture planes exhibit shiney, graphitic partings, with some showing slickensides.	FLT	
A-10-69	186.85	186.86	0.01	Cleavage	CLV	50
A-10-69	187.84	188	0.16	Minor fault with blocky, rubbly graphitic core.	FLT	
A-10-69	188.28	188.29	0.01	Cleavage	CLV	40
A-10-69	188.92	189.37	0.45	Fault zone with blocky, rubbly, graphitic core and some carbonate along fracture planes.	FLT	
A-10-69	190.3	191.05	0.75	Fault zone characterized by blocky, rubbly, ground up, highly disintegrated core, with some fracture planes having graphitic partings.	FLT	
A-10-69	191.48	191.49	0.01	Cleavage	CLV	35

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-69	192.39	192.72	0.33	Fault zone with rubble, ground up core and minor gouge present along fracture planes	FLT	
A-10-69	194.67	194.68	0.01	Cleavage	CLV	25
A-10-69	197.49	197.54	0.05	Minor fault with blocky, ground up, graphitic core.	FLT	
A-10-69	197	197.01	0.01	Cleavage	CLV	25
A-10-69	197.63	202.61	4.98	Major fault zone characterized by blocky, rubbly, highly FUBARed core and localized gouge. Some cleavage/fracture planes display graphitic partings. There is a localized section of competent core (0.5m in length).	FLT	
A-10-69	203.48	203.49	0.01	Nodular Ba Bed	BDG	90
A-10-69	203.88	207.05	3.17	Major fault zone characterized by rubbly, extremely ground up core and abundant consolidated fault gouge. Graphitic partings on cleavage/fracture planes are common. This major zone preceeds the massive Py mineralization.	FLT	
A-10-69	207.61	207.91	0.3	Minor fault zone defined by blocky, rubbly core and minor fault gouge.	FLT	
A-10-69	209.95	209.96	0.01	Massive sulphide bed	BDG	60
A-10-69	209.96	209.97	0.01	Cleavage	CLV	60
A-10-69	210.63	210.87	0.24	Minor fault characterized by blocky, rubbly, core and containing massive Py bedded rubble.	FLT	
A-10-69	211.89	211.9	0.01	Massive sulphide bed	BDG	70
A-10-69	211.92	211.93	0.01	Cleavage	CLV	70
A-10-69	213.92	213.93	0.01	Massive sulphide bed	BDG	70
A-10-69	213.93	213.94	0.01	Cleavage	CLV	70
A-10-69	215.12	215.13	0.01	Massive sulphide bed	BDG	50
A-10-69	215.13	215.14	0.01	Cleavage	CLV	50
A-10-69	216.05	216.06	0.01	Massive sulphide bed	BDG	30
A-10-69	216.88	216.89	0.01	Massive sulphide bed	BDG	95
A-10-69	216.98	216.99	0.01	Massive sulphide bed	BDG	120
A-10-69	217.59	217.6	0.01	Massive sulphide bed	BDG	140
A-10-69	217.78	217.79	0.01	Massive sulphide bed	BDG	30
A-10-69	218.17	218.18	0.01	Sulphide bed	BDG	40
A-10-69	219.36	219.37	0.01	Massive sulphide bed	BDG	45
A-10-69	221	221.01	0.01	Cleavage	CLV	130
A-10-69	221.48	221.49	0.01	Massive sulphide bed	BDG	60
A-10-69	222.52	222.53	0.01	Massive sulphide bed	BDG	70
A-10-69	222.7	222.9	0.2	Minor fault characterized by rubble and minor gouge along fracture planes	FLT	120
A-10-69	223.83	223.84	0.01	Cleavage	CLV	120
A-10-69	224.08	224.09	0.01	Massive sulphide bed	BDG	70
A-10-69	224.44	236	11.56	Massive fault zone with well-developed gouge, poker chip core, rubbly and blocky core.	FLT	

									7AX	7AX	7AX	7AX	7AX	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	WGHT	7AR.1
									Mo	Cu	Pb	Zn	Ag	Ba	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Wgt	Pb
HOLE ID	FROM	TO	LENGTH	SAMPLE #	% SULPHIDES	% SHALE	STANDARDS	CERTIFICATE #	PPM	PPM	%	%	PPM	%	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	NONE	KG	%
A-10-69	207.05	207.91	0.86	639932	3	90		VAN10003593	29.0	42.9	151.4	241	1.0	7628	118.1	9.5	96	2.37	41	7.5	3.5	131	2.4	17.1	<0.5	50	0.75	0.023	18.4	6.3	0.04	811	0.004	0.41	<0.01	0.18	<0.5	0.27	0.9	3.9	2.61	<5	9	2.664223851	2.74	
A-10-69	207.91	209	1.09	639933	3	80		VAN10003593	25.4	33.0	53.7	952	0.8	9442	79.3	7.7	223	1.86	24	5.8	4.5	509	8.4	10.4	<0.5	52	2.45	0.038	18.9	8.1	0.14	963	0.004	0.46	<0.01	0.22	<0.5	0.17	1.2	1.6	1.96	<5	11	2.643564356	4.24	
A-10-69	209	209.95	0.95	639934	10	90		VAN10003593	20.3	41.4	166.8	1180	2.3	8614	75.4	7.5	281	4.07	32	3.4	7.0	236	11.8	20.1	<0.5	69	1.34	0.079	26.4	8.9	0.24	1137	0.006	0.53	<0.01	0.28	<0.5	0.21	1.9	4.3	4.38	<5	15	2.730743013	4.04	
A-10-69	209.95	210.87	0.92	639935	15	85		VAN10003593	19.0	38.1	248.5	2861	3.4	6783	70.7	4.7	177	4.54	37	3.1	3.2	373	24.2	21.2	<0.5	77	2.30	0.079	13.4	13.8	0.08	922	0.004	0.44	<0.01	0.21	<0.5	0.34	1.1	5.6	5.20	<5	15	2.68590604	4.05	
A-10-69	210.87	212	1.13	639936	20	80		VAN10003593	22.8	37.5	673.5	6530	2.8	15051	78.5	6.6	296	8.17	45	3.2	3.5	374	39.0	28.4	<0.5	62	2.18	0.042	13.7	7.1	0.14	287	0.004	0.53	<0.01	0.20	<0.5	0.56	1.7	13.0	9.65	<5	19	2.818309859	4.06	
A-10-69	212	213	1	639937	50	50		VAN10003593	25.3	53.6	736.8	10140	2.6	25359	85.6	5.6	266	9.31	40	3.5	3.5	117	59.6	37.7	<0.5	62	0.77	0.038	13.4	6.0	0.17	324	0.003	0.82	<0.01	0.16	<0.5	0.78	1.9	17.6	10.78	<5	34	2.861945637	4.31	
A-10-69	213	213.92	0.92	639938	30	70		VAN10003593	25.3	45.8	542.3	6314	2.5	18241	77.6	5.6	275	7.92	37	3.9	4.0	174	36.2	32.8	<0.5	60	1.13	0.045	13.9	5.4	0.21	376	0.004	0.53	<0.01	0.17	<0.5	0.48	1.9	12.3	9.27	<5	22	2.858470336	4.24	
A-10-69	213.92	214.57	0.65	639939	5	95		VAN10003593	15.0	21.3	96.4	3521	0.6	14968	63.7	7.4	88	2.29	16	2.7	5.4	159	18.1	9.0	<0.5	49	0.75	0.042	21.9	6.0	0.11	1817	0.004	0.53	<0.01	0.21	<0.5	0.23	1.7	2.7	2.71	<5	11	2.662450067	2.52	
A-10-69				639940			STD PB129	VAN10003593	4.2	2849.3	12033.5	20101	28.1	935	12.6	10.0	831	3.35	12	<0.5	1.0	80	119.9	36.6	1.1	38	1.04	0.079	9.8	20.3	1.40	182	0.110	1.87	0.05	0.22	<0.5	0.14	1.4	<0.5	1.90	6	<2	I.S.	0.02	
A-10-69	214.57	215.45	0.88	639941	30	70		VAN10003593	27.0	60.3	966.1	11720	4.7	14366	91.6	5.2	318	10.91	54	3.1	3.1	192	70.4	40.6	<0.5	64	1.22	0.024	11.8	4.5	0.16	181	0.004	0.49	<0.01	0.19	<0.5	0.70	1.7	23.3	13.28	<5	28	2.899854862	3.93	
A-10-69	215.45	216.4	0.95	639942	50	50		VAN10003593	29.7	41.3	1576.5	14092	4.7	22435	96.9	5.3	374	14.50	71	2.7	2.2	224	80.2	33.9	<0.5	61	1.05	0.028	9.8	5.4	0.24	129	0.003	0.60	<0.01	0.14	<0.5	0.83	1.8	28.8	17.53	<5	24	3.018099548	4.04	
A-10-69	212	213	1	853044	50	50		VAN10006053	25.4	52.0	768.2	11381	2.8	24936	81.0	6.6	251	9.31	40	3.5	3.4	109	67.3	39.1	<0.5	54	0.73	0.035	12.2	6.3	0.18	254	0.003	0.83	<0.01	0.17	<0.5	0.76	1.9	19.5	10.42	<5	36	2.64904	2.10	
A-10-69	213	213.92	0.92	853045	30	70		VAN10006053	24.1	48.4	526.8	5587	2.6	19223	81.8	6.5	240	7.64	39	3.4	4.2	136	34.3	34.2	<0.5	48	0.85	0.037	13.2	5.8	0.16	274	0.003	0.60	<0.01	0.18	<0.5	0.44	2.1	11.2	8.80	<5	25	2.61396	1.97	
A-10-69	213.92	214.57	0.65	853046	5	95		VAN10006053	14.0	21.6	105.5	2832	0.5	15068	63.3	8.2	75	2.04	13	2.7	6.4	142	16.6	9.0	<0.5	52	0.67	0.041	21.8	6.6	0.11	2332	0.004	0.53	<0.01	0.28	<0.5	0.17	2.0	2.3	2.26	<5	13	2.43311	1.17	
A-10-69				853047			STD PB129	VAN10006053	4.3	2815.5	12046.0	20563	24.5	934	9.3	10.5	770	3.26	12	<0.5	1.1	65	112.5	32.8	1.0	34	0.97	0.073	9.2	22.4	1.37	181	0.107	1.79	0.06	0.21	<0.5	0.13	1.5	<0.5	1.77	5	<2	N.A.	0.02	
A-10-69	214.57	215.45	0.88	853048	30	70		VAN10006053	22.1	52.1	795.6	12797	3.3	17878	80.1	6.7	251	8.88	41	2.3	3.5	189	66.5	29.4	<0.5	55	1.06	0.018	11.5	7.4	0.23	210	0.004	0.45	<0.01	0.21	<0.5	0.58	1.7	17.7	9.93	<5	23	2.71485	2.07	
A-10-69	215.45	216.4	0.95	853049	50	50		VAN10006053	27.9	43.4	1658.2	15741	4.5	22822	95.1	6.8	361	14.17	68	2.5	2.0	254	82.6	35.0	<0.5	43	1.31	0.023	7.1	7.1	0.23	99	0.003	0.60	<0.01	0.13	<0.5	0.91	1.8	29.1	16.40	<5	22	2.88801	1.92	
A-10-69	216.4	216.85	0.45	639943	10	90		VAN10003593	13.2	18.6	381.4	5426	0.8	47192	44.9	5.8	256	2.87	14	4.0	5.6	563	28.5	5.6	<0.5	59	1.84	0.050	20.8	8.0	0.34	1258	0.003	1.44	<0.01	0.18	<0.5	0.23	3.3	5.9	2.78	<5	8	2.714867617	2.05	
A-10-69	216.85	217.82	0.97	639944	90	10		VAN10003593	41.5	48.5	1742.0	7301	5.6	23412	115.3	5.2	378	17.30	93	3.7	2.0	118	42.4	43.3	<0.5	70	0.65	0.024	7.6	5.2	0.11	147	0.003	0.55	<0.01	0.13	<0.5	0.70	1.3	25.4	20.64	<5	28	3.12305296	4.68	
A-10-69	217.82	218.54	0.72	639945	10	95		VAN10003593	10.5	18.8	167.4	1800	0.5	24517	50.0	5.5	244	2.75	14	2.2	5.5	288	8.4	5.8	<0.5	53	1.90	0.040	23.3	4.5	0.54	1436	0.004	0.49	<0.01	0.21	<0.5	0.09	2.6	2.8	2.96	<5	8	2.683188212	3.28	
A-10-69	218.54	219.23	0.69	639946	25	75		VAN10003593	22.1	44.0	670.7	4612	2.4	15817	76.0	5.8	239	7.79	41	2.9	4.1	179	27.2	24.9	<0.5	60	0.97	0.032	14.6	4.9	0.19	359	0.004	0.48	<0.01	0.19	<0.5	0.31	1.9	11.1	9.18	<5	21	2.815492958	2.85	
A-10-69	219.23	220	0.77	639947	70	30		VAN10003593	36.2	77.7	1199.3	18986	6.2	15935	118.2	6.7	378	13.25	71	4.9	3.0	162	109.6	51.5	<0.5	81	0.91	0.024	10.6	6.4	0.13	143	0.004	0.50	<0.01	0.21	<0.5	0.72	1.9	37.7	16.37	<5	39	2.995505618	3.78	
A-10-69	220	221.4	1.4	639948	5	95		VAN10003593	10.6	19.0	55.3	2179	<0.5	18517	61.9	6.8	70	1.56	12	2.1	6.3	130	11.7	5.3	<0.5	49	0.64	0.031	20.1	4.7	0.13	3609	0.004	0.52	<0.01	0.27	<0.5	0.12	2.2	1.4	1.81	<5	10	2.651224355	5.96	
A-10-69	221.4	222.38	0.98	639949	50	50		VAN10003593	26.8	55.7	685.1	6277	3.3	18334	88.2	5.3	360	10.08	45	4.0	3.1	303	39.7	39.7	<0.5	69	2.04	0.022	8.5	3.8	0.31	169	0.003	0.48	<0.01	0.20	<0.5	0.41	1.8	14.8	12.02	<5	30	2.866666667	3.98	
A-10-69				639950			Pulp DUP of 639949	VAN10003593																																						
A-10-69	222.38	223.07	0.69	853001	40	60		VAN10003593	26.8	55.0	582.6	8426	2.8	13160	85.3	6.8	252	7.98	43	3.1	3.9	143	50.6	35.1	<0.5	53	1.18	0.020	10.0	5.7	0.16	248	0.003	0.50	<0.01	0.22	<0.5	0.34	2.6	15.2	9.64	<5	34	2.843860894	3.32	
A-10-69	223.07	223.83	0.76	853002	40	60		VAN10003593	25.0	51.5	517.3	7491	2.1	10107	80.1	6.5	234	7.50	36	3.1	4.0	202	45.7	35.8	<0.5	45	1.18	0.016	10.1	4.6	0.15	489	0.003	0.42	<0.01	0.20	<0.5	0.29	2.3	13.5	9.13	<5	42	2.859285714	3.11	
A-10-69	223.83	224.44	0.61	853003	50	50		VAN10003593	28.6	57.9	565.0	10255	2.2	10554	86.3	6.2	262	8.88	40	4.2	3.1	133	64.7	40.5	<0.5	53	0.89	0.013	8.4	4.2	0.17	313	0.002	0.43	<0.01	0.21	<0.5	0.40	2.0	17.0	10.81	<5	44	2.863376252	2.41	
A-10-69	224.44	225.62	1.18	853004	25	75		VAN10003593	22.3	36.7	544.0	6781	2.1	7503	75.1	6.0	270	7.89	42	3.1	2.9	85	45.6	29.4	<0.5	42	0.82	0.011	8.8	4.5	0.27	464	0.002	0.42	<0.01	0.19	<0.5	0.35	2.5	13.2	9.46	<5	32	2.819464034	4.87	

HOLE ID	DISTANCE	AZIMUTH (mag)	AZIMUTH (true)	DIP	MAGN	SURVEY TYPE	ACCEPTED	COMMENTS
A-10-69	0		50	-76			Yes	Collar
A-10-69	20	28	48.78	-76.8	5790	Reflex EZ-Shot	Yes	
A-10-69	50	26.6	47.38	-75.7	5761	Reflex EZ-Shot	Yes	
A-10-69	80	26	46.78	-75.2	5768	Reflex EZ-Shot	Yes	
A-10-69	110	23	43.78	-73.8	5763	Reflex EZ-Shot	Yes	
A-10-69	140	22.1	42.88	-72.8	5764	Reflex EZ-Shot	Yes	
A-10-69	170	21.4	42.18	-72.2	5766	Reflex EZ-Shot	Yes	
A-10-69	200	21.7	42.48	-71.7	5766	Reflex EZ-Shot	Yes	
A-10-69	230	21.5	42.28	-71.3	5759	Reflex EZ-Shot	Yes	

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD %	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-69	8	11	3	2.47	82.33	0	0.00												
A-10-69	11	14	3	2.64	88.00	0	0.00												
A-10-69	14	17	3	2.71	90.33	0.46	15.33												
A-10-69	17	20	3	2.99	99.67	1.67	55.67												
A-10-69	20	23	3	2.88	96.00	0.93	31.00												
A-10-69	23	26	3	2.79	93.00	1.48	49.33												
A-10-69	26	29	3	2.96	98.67	1.03	34.33												
A-10-69	29	32	3	2.74	91.33	1.79	59.67												
A-10-69	32	35	3	2.64	88.00	0.94	31.33												
A-10-69	35	38	3	2.61	87.00	0.86	28.67												
A-10-69	38	41	3	2.74	91.33	0.76	25.33												
A-10-69	41	44	3	2.62	87.33	0.42	14.00	4	2	1	1								
A-10-69	44	47	3	2.51	83.67	0.41	13.67												
A-10-69	47	50	3	2.13	71.00	0.37	12.33												
A-10-69	50	53	3	2.07	69.00	1.36	45.33												
A-10-69	53	56	3	2.16	72.00	0.44	14.67												
A-10-69	56	59	3	2.08	69.33	1.48	49.33												
A-10-69	59	62	3	2.09	69.67	1.12	37.33												
A-10-69	62	65	3	3.04	101.33	2.1	70.00												
A-10-69	65	68	3	3.09	103.00	1.15	38.33												
A-10-69	68	71	3	3.17	105.67	0.29	9.67												
A-10-69	71	74	3	3.09	103.00	0.1	3.33												
A-10-69	74	77	3	2.78	92.67	0.43	14.33												
A-10-69	77	80	3	2.5	83.33	0.26	8.67												
A-10-69	80	83	3	2.47	82.33	0.62	20.67												
A-10-69	83	86	3	2.35	78.33	0.48	16.00												
A-10-69	86	89	3	3.06	102.00	1.32	44.00												
A-10-69	89	92	3	3.09	103.00	2.08	69.33												
A-10-69	92	95	3	2.98	99.33	2.08	69.33												
A-10-69	95	98	3	3.03	101.00	1.73	57.67	10		9	1								
A-10-69	98	101	3	2.92	97.33	2.14	71.33												
A-10-69	101	104	3	3	100.00	2.28	76.00												
A-10-69	104	107	3	2.97	99.00	2.02	67.33												
A-10-69	107	110	3	2.89	96.33	2.25	75.00	1	1										
A-10-69	110	113	3	3.01	100.33	2.43	81.00												
A-10-69	113	116	3	2.93	97.67	2.71	90.33												
A-10-69	116	119	3	2.95	98.33	1.99	66.33												
A-10-69	119	122	3	2.81	93.67	1.43	47.67												
A-10-69	122	125	3	2.83	94.33	1.69	56.33												
A-10-69	125	128	3	2.81	93.67	2.4	80.00												
A-10-69	128	131	3	2.85	95.00	2.81	93.67												
A-10-69	131	134	3	2.97	99.00	2.09	69.67												
A-10-69	134	137	3	2.64	88.00	0.41	13.67												
A-10-69	137	140	3	2.83	94.33	0.31	10.33												
A-10-69	140	143	3	2.81	93.67	0.2	6.67												
A-10-69	143	146	3	2.74	91.33	0.44	14.67												
A-10-69	146	149	3	2.93	97.67	1.84	61.33												
A-10-69	149	152	3	2.96	98.67	1.87	62.33												
A-10-69	152	155	3	2.9	96.67	1.49	49.67	2			1	1							
A-10-69	155	158	3	2.88	96.00	1.52	50.67	5	4	1									
A-10-69	158	161	3	2.96	98.67	1.45	48.33												
A-10-69	161	164	3	2.96	98.67	2.46	82.00												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD %	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-69	164	167	3	3.04	101.33	2.53	84.33												
A-10-69	167	170	3	2.82	94.00	2.35	78.33	5	5										
A-10-69	170	173	3	2.94	98.00	2.74	91.33	5	5										
A-10-69	173	176	3	2.95	98.33	2.27	75.67												
A-10-69	176	179	3	2.97	99.00	0.89	29.67												
A-10-69	179	182	3	2.78	92.67	0.56	18.67	1					1						
A-10-69	182	185	3	2.07	69.00	0	0.00												
A-10-69	185	188	3	2.95	98.33	1.36	45.33												
A-10-69	188	191	3	3.01	100.33	0.53	17.67												
A-10-69	191	194	3	2.9	96.67	0.51	17.00												
A-10-69	194	197	3	2.91	97.00	2.64	88.00												
A-10-69	197	200	3	2.87	95.67	0.77	25.67												
A-10-69	200	203	3	2.88	96.00	0.28	9.33	3	1		1	1							
A-10-69	203	206	3	2.57	85.67	0.43	14.33												
A-10-69	206	209	3	2.59	86.33	0.71	23.67												
A-10-69	209	212	3	2.63	87.67	1.23	41.00	12	11		1			3	3				
A-10-69	212	215	3	3.01	100.33	2.5	83.33	2	1		1			6	4		1	1	
A-10-69	215	218	3	3.08	102.67	2.61	87.00	8	6	1	1								
A-10-69	218	221	3	3.05	101.67	1.84	61.33	7	7					5	1	2			
A-10-69	221	224	3	3.02	100.67	1.96	65.33	1	1					9	6	3			
A-10-69	224	227	3	3.02	100.67	0.51	17.00							2	2				
A-10-69	227	230	3	2.79	93.00	0.28	9.33												
A-10-69	230	233	3	3.01	100.33	0.46	15.33												
A-10-69	233	236	3	2.7	90.00	0	0.00												

COAST MOUTAIN GEOLOGICAL LTD.
DRILL HOLE COVER SHEET

PROPERTY: AKIE
DRILL HOLE #: A-10-69A
LOGGED BY: PAD, Simon Parada
COVER SHEET DATE: 13 August 2010

DDH COLLAR LOCATION

PROPOSED
DATUM: NAD 83 Zone 10

LOCAL GRID
NORTH:
EAST:
ELEVATION:

UTM CO-ORDS
NORTHING: 6361641m
EASTING: 387441m
ELEVATION: 1475m

SURVEYED

LOCAL GRID
NORTH:
EAST:
ELEVATION:

UTM CO-ORDS
NORTHING:
EASTING:
ELEVATION:

DDH COLLAR ORIENTATION

PROPOSED
AZIMUTH: 50
DIP: -82

SURVEYED
AZIMUTH:
DIP:

DDH LENGTH

PROPOSED
LENGTH: 450

ACTUAL
LENGTH: 335

DOWN HOLE SURVEY

SURVEY TYPE: Reflex EZ-Shot

DISTANCE	AZIMUTH	DIP	ACPTED	COMMENTS
0	50	-82	Yes	
20	53.28	-81.6	Yes	
50	43.48	-80.7	Yes	
80	42.98	-78	Yes	
110	42.78	-76.8	Yes	
140	42.48	-76.4	Yes	
170	42.08	-75.7	Yes	
200	41.58	-75.6	Yes	
230	41.38	-74.7	Yes	
284	40.28	-74.9	Yes	
314	41.18	-74.9	Yes	

DRILLING INFORMATION

CONTRACTOR: Rodren Drilling

CORE DIAMETER: HQ
DATE STARTED: 19-Jul-10
DATE COMPLETED: 26-Jul-10
CAPPED: Yes
CASING: Yes
UNITS: METRIC: X IMPERIAL:

HOLE OBJECTIVE: Testing NW strike extension of the Cardiac Creek deposit between target elevation of 1000-1200m.

HOLE SUMMARY: Note: Magnetic declination at 20.78 degrees to the East

The majority of the hole, from 0m to 259.45m, was drilled through Gunsteel Mudstone that contained zones of distal Py and/or Ba mineralization from 13.8-19.35m, 26.57-34.32m, 122.15-179m and 205.95-223.1m. The Cardiac Creek zone was intercepted from 223.1-234.19m. Following the Cardiac Creek zone was a distal Ba mineralization zone from 246.75-256.08m and then a massive bedded Ba zone was intercepted from 256.08-259.45m. Next, a large thrust fault was encountered, bringing the Road River group to a higher than expected elevation which resulted in an early shutdown of the hole.

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-69A	0	3	3	casing	overburden	CSG		
A-10-69A	3	13.8	10.8	black siliceous carbonaceous shale	fg to vfg, black, siliceous shale, fractured near surface with minor narrow fractures infilled with seconda pyrite <1%, limonite along fractures, minor fold at 12.70 m	4SH		GSF
A-10-69A	13.8	19.35	5.55	black siliceous shale with narrow bands of nodular barite	fg to vfg, black, carbonaceous shale with narrow bands of nodular barite to several cm in width, total bands 1-2%, minor limonite on fracture surfaces, silty interbeds to several cm in width, fg to vfg disseminated pyrite near concretion at 18.75 m local to 5%, pyrite on fractures fg, euhedral to 3%	4SH	4BSH	GSF
A-10-69A	19.35	26.57	7.22	black carbonaceous siliceous shale no barite	fg to vfg, black, carbonaceous shale with no nodular barite intervals, silty units to several cm in width, minor concretions one being py bearing, brittle fracture infilled with qc, minor <1% vfg py with some of the qc stringers, minor folding of silt beds at 22.44 m, lower contact at start of barite mineralization.	4SH		GSF
A-10-69A	26.57	34.32	7.75	Gunsteel shale with nodular barite	Moderately competent black vfg siliceous carbonaceous mudstone with fine grained brass disseminated py dominant cleavage at 50-55 to CA. Mudstone is inter-bedded with dull-white mm nodular barite with brassy py replaced centers inter-laminated with vfg gray-dark gray variably calcareous mm silty laminations, 5-10cm sections. Nodular barite displays elongation along cleavage beds are 5-20cm. 1 Large dark-gray calcareous concretions with shrinkage fractures <20cm. Contains rare mm qtz-cal veinlets dominantly conformable to cleavage.	4SH	4BSH	GSF
A-10-69A	34.32	49.5	15.18	Gunsteel shale	Black carbonaceous variably siliceous mudstone with <1% disseminated brassy py. Contains rare <20cm dark grey calcareous concretions, few concretions <1cm. At 44.80-45.80 are <1% 1-4cm py lenses, conformable to cleavage with up to 40% disseminated fine grained py. Unit displays mm white qtz-cal veinlets dominant orientation parallel to cleavage, with irregular cross-cutting veins. Top of secti is competent up to 40.87 rest is highly fractured (Fault Zone). Contact is within fault zone, it is not a distinct contact host rock becomes highly siliceous and continues down hole.	4SH		GSF
A-10-69A	49.5	122.15	72.65	Silicified Gunsteel shale	Core has a distinct polished sheen and is very hard, nail does scratch tungsten carbide does. Black highly siliceous carbonaceous mudstone with <1% disseminated vfg py. Unit is near featureless with minor qtz-cal veinlets and rare >20cm gray calcareous concretions with shrinkage fractures. Top of unit displays mm white qtz-cal veinlets parallel to cleavage, 30-45 to CA, with cross-cutting veinlets and lateral veinlets at 145 to CA.**Located at 56.90-57.70 are <1-2cm micro faults parallel to cleavage offsetting 1cm every 0.5cm down hole, movement over entire section is roughly 40cm (This movement should directly relate to the fault zone above this unit).**	4SH		GSF
A-10-69A	122.15	145.8	23.65	Gunsteel shale with nodular barite	Black carbonaceous mudstone with fine grained brassy disseminated py, with <50cm sections of nodula barite separated by 1-2m section of featureless shale. First 3m of unit contains a large quantity of <1-2cm dark-gray calcareous concretions with calcitic rims +/- pressure shadows, last concretion at 126.63 >20cm. In sequence; +/- light gray silty calcareous laminations, dull white nodular barite with fine grained brassy py replaced centers inter-bedded with faint vfg dull brown brassy py laminations and carbonaceous shale, sulphide beds are separated by 1-2m shale sections. Weakly developed laminate py can occur above and below nodular barite beds. At 138.15 is a 3cm isolated bed of laminated py. Unit contains rare mm dull white-translucent qtz-cal veinlets generally orientated at 30 to CA, <1%. Bedding at 160-170 Cleavage at 20-40.	4SH	4BSH	GSF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-69A	145.8	165.15	19.35	Gunsteel shale with rare Laminated Pyrite	Black variably siliceous carbonaceous mudstone with <1% disseminated fine grained brassy py int laminated with rare faint concentrated py laminations. Dull brown faint vfg-fine grained brassy py laminations inter-laminated with white-gray calcareous mottled beds. Sulphide beds are <4cm in width separated by 1-3m shale inter-beds, located at 145.85,146.90, 154.80, 155.88 and 157.18. Within unit are <1cm round-oval calcareous concretions that have been replaced by 70% fine grained brassy disseminated py, 4 large dark gray concretion >10cm displaying few shrinkage fractures at 154.80m +/- calcitic rinds with <2cm long <0.5cm wide radiatingdilating fracture being replaced by primary calcite and secondary fine grained brassy py. Unit contains 5-20cm spaced pervasive mm white cal-sil veinlets orientated at 20-35 to CA <2%.	4SH	4PYSH	GSF
A-10-69A	165.15	179	13.85	Gunsteel shale with nodular barite	Competent black, Vfg, siliceous, carbonaceous, mudstone displaying a dominant cleavage at 20-25 to CA. Gradational contact commencing in gray-dull white calcareous silty laminations, which is replaced fine grained brassy disseminated py, which grades into milky white laminated nodular barite exhibiting py replaced centers. Nodular barite is elongated along cleavage inter-laminated with dull brown faint py laminations associated with sulphide beds are <2cm round to oval dark gray calcareous concretions, located above and below mineralization. Sulphides beds are 20cm-1m inter-laminated with <3cm shale beds, mineralized sections are separated by 1-2m black shale containing concretions. Concretions exhibit a calcitic rim +/- pressure shadows following cleavage, +/- fine grained py replacement and +/- black core with radiating micro fractures. Located at 172.5 is a text book <20cm septarian concretion. Rare scattered dull white-translucent mm cal-sil veinlets.	4BSH		GSF
A-10-69A	179	193.43	14.43	Gunsteel shale	Very fine grained black mudstone comprising the Gunsteel shale. Unit is competent up hole, however competency decreases downhole and becomes poker chipped and fault affected as a result of a fault from 187.58-191.68. Mudstone is weakly siliceous, weakly silicified, contains trace amounts of finely disseminated primary py, and has cleavage which increases in angle downhole grading from 20 to 55 TCA, Bedding is difficult to distinguish due to the black shale being pervasively massive. Zones of late mm scale calc-silicate filled dilation fractures present along the upper margin of the unit. Concretions are present and appear increase in density downhole and have sizes varying from <1cm to >10cm, and have an average density of 3 per meter. Concretions are calcareous, homogenous, rounded and contain finely disseminated pyrite and calcite along the margins. Upper contact is gradational.	4SH		GSF
A-10-69A	193.43	198.2	4.77	Gunsteel shale with nodular barite	Zone of black shale with beds of nodular barite. Barite is also calcite bearing, with the calcite bein replaced by secondary py. Unit is weakly siliceous and weakly silicified and contains trace amounts of homogenously dispersed finely disseminated py. Average cleavage is low angle at 15 TCA and bedding being high angle at 85 TCA and distinguished by barite and pyrite beds. Core is competent from upper contact to 196.30m then becomes very broken up due to drilling almost sub-parallel to cleavage. Unit has occasional concretions present with an average density of 1-2 per meter and surrounded by finely disseminated pyrite and calcite along their margins. From 194.00- 194.30 have a large septarian concretion with shrinkage fractures up to 5mm wide and filled with quartz, black shale and calcite. Upper contact is gradational.	4BSH		GSF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-69A	198.2	205.95	7.75	Gunsteel shale	Massive black mudstone comprising the Gunsteel shale unit with 1% homogenously dispersed finely disseminated py. Unit is moderately siliceous and weakly silicified and is virtually barren of any veining calc-silicate stringers. Core exhibits poor competency from 198.20-205.95m and appears to be drilled sub-parallel (~15 TCA) to cleavage creating extreme amounts of low angle poker chipped rock. Beddin angles are difficult to determine due to the aforementioned amount of broken core. From 204.30-205.00m appear to have a small fault as indicated by the moderate amount of fault gouge present, however full extent of faulting is difficult to determine due to broken nature and cleavage angle of core. Occasional concretions are present and have an average size of 1-3cm wide with calcite and pyrite replacement along their margins. Upper contact is gradational.	4SH		GSF
A-10-69A	205.95	219	13.05	Gunsteel shale with nodular barite	Zone of poker chipped black shale interbedded with zones of nodular barite and laminated finely disseminated pyrite. Cleavage becomes increasingly steep in this unit and appears to no longer be drilled down cleavage (CLV angles of 50 TCA). Bedding is relatively constant at 90 TCA however local zones of folding are present at 206.30m and 208m. Occasional shear veins present with interlaminations of calcite and black mudstone. Finely disseminated pyrite (trace to 1%) is homogenous dispersed in the mudstone. Unit is moderately siliceous and weakly silicified. Only two concretions present. Upper contact is gradational and appears to be marked by the increased cleavage angle.	4BSH		GSF
A-10-69A	219	223.1	4.1	Gunsteel shale with nodular barite and beds of finely disseminated pyrite.	Black Gunsteel shale with beds of nodular barite and finely disseminated primary pyrite. Nodular bari beds reach up to 3cm wide, and pyrite beds up to 2-4 cm wide. Beds of both barite and pyrite are uniformly distributed every 20 to 30cm's and slowly increase in density downhole. Unit is poorly siliceous and poorly silicified and exhibits marginal competence with an overall blocky structure as a result of a fault from 221.90-223.10m. The Occasional shear veins with interlaminated calc-silicates and black mudstone are present, however, no other veins are present. Cleavage and bedding angles are both 55 TCA.No sphalerite is present in the barite and pyrite beds, nor the shear veins. Upper contact is gradational.	4PYSH		GSF
A-10-69A	223.1	234.19	11.09	Gunsteel shale interbedded with finely disseminated, masive pyrite and barite.	Zone of finely disseminated massive pyrite and barite nodules interbedded in Gunsteel black shale Pyrite beds are up to 10cm wide and are interlaminated with barite nodules. Pyrite beds are uniformly distributed every 10-20 cm and appear to be barren of any bleached or honey brown sphalerite mineralization However, sphalerite is present in veining along the upper contact. Core is also pervasively siliceous and highly competent. A localized fault is present from 229.55-230m with healed gouge. Fine grained subrounded to sub-angular drop-stone clasts are present throughout core with an average density of 5 per meter. These clasts are often observed depressing the bedding in the downhole direction and can therefore, the core can be interpreted as being tops-up. Concretions are also present in a higher density than other stratiographic sections, with a density which can reach 8 per meter. All concretions are well rounded, homogenous, carbonaceous, and have calcite and pyrite bearing rims. Along upper contact core is highly fault affected and exhibits a high density of calc-silicate filled late fractures.	4MPSH		GSF
A-10-69A				Continued.	Downhole occasional shear veins with interlaminated calc-silicates and black mudstone are preser Cleavage and bedding angles appear constant at 35 and 90 TCA respectively Upper contact appears to be fault bound/controlled.			
A-10-69A	234.19	246.75	12.56	Gunsteel Shale	Competent Black, Vfg, variably siliceous, carbonaceous, mudstone displaying a dominant cleavage at 2 20 to CA. From 234-239.12 core is extremely fractured displaying well developed fault gouge with graphitic sheen along partings. Located at 242.22-245 are mm white calcareous round globular py replaced disseminated specs? Rare Qtz-cal veinlets exhibiting no specific orientation.	4SH		GSF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-69A	246.75	256.08	9.33	Gunsteel shale with nodular barite	Fault affected unit. Blocky fractured core with fault gouge and a well developed graphitic sheen along partings. Competent sections display 20-30cm sections of fine grained calcareous silty laminations being replaced by fine grained brassy py this then grads into 20-30 beds of nodular barite. Nodular barite exhibits dull white-dark gray mm variably calcareous nodules which contains 40% fine grained brassy py replacement, beds are inter-laminated with <1cm black barren shale. Mineralized sections are separate by 1-1.5m of black fault affected shale. Associated with the sulphides beds are <3cm sub-rounded globular calcareous lithic fragments/concretions? Fragments indicating tops uphole. <1% scattered qtz-cal veinlets associated with fault structure's, no specific orientation.	4BSH		GSF
A-10-69A	256.08	259.45	3.37	Massive bedded barite and nodular barite	Competent white-dull white bedded barite inter-laminated with nodular barite and vfg brassy p laminations. Sulphide beds are interlaminated with <2cm black carbonaceous mudstone. At 257.83-259.45m py lamination increase in concentration to 20%. Located within bedded sulphides commencing at 258.05m to end of unit are <10cm, typically <5cm sub-rounded to globular calcareous siltstone fragments? which are enveloped by the mineralized beds. Bedding is dominantly at 80-90 with many beds displaying structural movement; At 256.32 apparent dextral movement along cleavage 60 to CA, a 256.43 2m sinstral movement at 120 to CA, at 257.60m apparent sinstral movement at 20 to CA, at 258.05m apparent sinstral movement at 15 to CA and at 259.45m apparent sinstral movement at 15 to CA (Located at Fault zone upper contact). Visible sinstral movement along main Cleavage plane 15-20 to CA.	4MBSH		GSF
A-10-69A	259.45	301.82	42.37	Silty Shale with Calcareous Siltstones	From 272.94-275m highly fault affected displaying qtz-cal dilation veinlets. Competent gray to dark gray carbonaceous to variably calcareous siltstone inter-laminated with dull white calcareous silty beds. Silty calcareous beds are <3cm often exhibiting a globular bedded From 293.01-301.82 are 5-10cm spaced <1cm light grey calc-sil veinlets at 40-45 to CA carrying secondary cubic brassy fine grained py. Bedding is consistent at 90-120 to CA cleavage at 30-35 to CA.	6CSS		RRG
A-10-69A	301.82	317.2	15.38	Silty shale with Mottled Calcareous Siltstones	Competent gray to dark gray carbonaceous to moderately calcareous siltstone inter-laminated with du white calcareous mottled silty inter-laminated beds. Bedding is consistent at 90-120 to CA cleavage at 30-35 to CA. Contains Irregular white calc-sil vienlets, <5%.	6CSS		RRG
A-10-69A	317.2	335	17.8	Granular Silty shale with Calcareous Siltstones	Gradational contact increasing in white-gray calcareous mottled textured silty laminations, Unit significantly granular/siltier than previous units. Competent gray to dark gray carbonaceous to moderately calcareous siltstone inter-laminated with dull white calcareous silty beds. Bedding is consistent at 90-120 to CA cleavage at 30-35 to CA.	6CSS		RRG
					END OF HOLE			

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	ALT	INTENSITY
A-10-69A	49.5	62.47	12.97	Core has a distinct polished sheen and is very hard, nail does not scratch most areas.	SIL	STRONG

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	PY %	SP %	GA %	BA %	CP %	PO %
A-10-69A	3	13.8	10.8	fg to mg pyrite, secondary along fractures, minor limonite, pyrite euhedral	1					
A-10-69A	13.8	19.35	5.55	fg to mg pyrite within qc infilled fractures, euhedral, vfg pyrite diss, py also as pulled apart stringers surrounded by secondary qc; barite as mm sized nodules in narrow bands associated with narrow 2-4 mm bands of py	1-2			3		
A-10-69A	19.35	27.82	8.47	within qc as fg crystals or small masses, diss vfg pyrite near and within concretions	1-2					
A-10-69A	26.57	34.32	7.75	Bedded dull-white mm nodular barite with brassy py replaced centers	1			1		
A-10-69A	122.15	145.8	23.65	Dull white nodular barite with fine grained brassy py replaced centers inter-bedded with faint vfg dull brown brassy py laminations and carbonaceous shale, sulphide beds are separated by 1-2m shale sections. Weakly developed laminated py can occur above and below nodular barite beds. At 138.15 is a 3cm isolated bed of laminated py.	1			2		
A-10-69A	145.8	165.15	19.35	Rare dull brown faint vfg-fine grained brassy py laminations inter-laminated with white-gray calcareous mottled beds. Sulphide beds are <4cm in width separated by 1-3m shale inter-beds.	1					
A-10-69A	165.15	179	13.85	Nodular barite inter-laminated with dull brown faint py laminations associated with sulphide beds are <2cm round to oval dark gray calcareous concretions, located above and below mineralization. Sulphides beds are 20cm-1m inter-laminated with <3cm shale beds, mineralized sections are separated by 1-2m black shale containing concretions.	1			4		
A-10-69A	180.66	180.69	0.03	3cm band of calcite being replaced by up to 80% secondary disseminated pyrite. Lenses of quartz are left remaining with the replaced calcite.	80					
A-10-69A	186.3	186.5	0.2	5mm wide bed of calcite along cleavage planes at 45 TCA being replaced by up to 40% secondary pyrite.	5					
A-10-69A	187.51	187.52	0.01	1cm wide bed of coarsely disseminated secondary py replacing calcite at 60TCA	10					
A-10-69A	195.58	196.27	0.69	zone of barite nodule beds up to 10cm wide and black shale. Barite also contains secondary pyrite replacing calcite. Barite appears to be parallel bedding at 85 TCA.	1-2			5		
A-10-69A	196.25	196.26	0.01	lense of calcite being replaced by rectangular lenses of massive finely disseminated secondary pyrite	5					
A-10-69A	197.35	197.71	0.36	Zone of barite nodules interbedded with finely disseminated py and black shale. Nodules contain both calcite and py, whereby the py is secondary and replacing the calcite with up to 60% replacement. Barite appears to be parallel to bedding at 85TCA	1			5		
A-10-69A	206.7	206.75	0.05	lense of finely disseminated pyrite and secondary pyrite replacing calcite	5					
A-10-69A	207	207.35	0.35	zone of randomly oriented calcite bearing nodule barite within the black shale. Calcite is also being replaced by up to 80% secondary py. Randomly oriented late fractures filled with calc-silicates are also present and up to 5mm wide.	5			5		
A-10-69A	207.9	208.5	0.6	Region of interbedded barite nodules and black mudstone along with interlaminated finely disseminated pyrite. Barite has secondary py replacing calcite by up to 60%. Beds are at 100 TCA.	2			5		
A-10-69A	209.86	210.6	0.74	Beds of barite nodules at 80 TCA with secondary py replacement. Light bronze colored laminations of finely disseminated pyrite also present.	3-5			5		

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	PY %	SP %	GA %	BA %	CP %	PO %
A-10-69A	215.05	215.09	0.04	1.5cm wide shear vein with interlaminations of calc-silicates and black mudstone along with trace amounts of honey brown sphalerite.		Tr.				
A-10-69A	215.85	215.92	0.07	zone of well rounded, spherical siltstone clasts with finely disseminated pyrite	5					
A-10-69A	220.6	221.64	1.04	Zoned of massive pyrite beds up to 3cm wide with interlaminated barite with an angle of 65TCA.	10			1		
A-10-69A	223.1	224	0.9	zone of high concentration of calc-silicate veins and late micro-fractures filled with calc-silicates along with a high density of pyrite beds giving the core a brecciated white, black and bronze color. Dominant vein orientation is 35 TCA and pyrite beds at 45 TCA. Veins and stringers have 1-2% sphalerite locally	15	1				
A-10-69A	222.55	227.64	5.09	pervasive 20 cm wide zones of interbedded black shale, massive finely disseminated py and interlaminated barite nodules. Pyrite beds are at an angle of 95 TCA and contain no bleached sphalerite.	10			1		
A-10-69A	228.2	228.75	0.55	20cm zones of interbedded massive finely disseminated pyrite with black shale and thin laminations of barite nodules. Occasional pyrite bed has sub-angular fine grained sandstone fragment which is deforming the bedding downhole, thereby indicating a tops-up orientation.	10			1		
A-10-69A	229.13	234.19	5.06	Pervasive unit comprised of massive finely disseminated beds of pyrite interbedded with black shale and barite nodules every 5-15 cm and have an orientation of 100 TCA. Beds can be up to 10cm locally, however contain no bleached sphalerite.. Concretions are also found within the pyrite beds, whereby the beds are deformed around the concretion. Sub-angular very fine grained mudstone clasts are also present and are deforming the sediment.	10			1		
A-10-69A	246.75	256.08	9.33	Beds of py replaced (40%) nodular barite. Mineralized sections are separated by 1-1.5m of black fault affected shale	2			5		
A-10-69A	256.08	259.45	3.37	White-dull white bedded barite inter-laminated with nodular barite and vfg brassy py laminations. Sulphide beds are interlaminated with <2cm black carbonaceous mudstone.	5			80		

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-69A	3	27.82	24.82	qc stringers to 2 mm, some with massive pyrite others with minor py, no sph, due to brittle deformation, variable with many being irregular fracture fills	3	50
A-10-69A	20.54	22.68	2.14	25cm sections of Qtz-cal irregular stringers separated by featureless black shale.	3	
A-10-69A	29.82	30	0.18	Dull white 2cm qtz-carbonate vein with 5cm shear vein displaying inter-laminated Qtz veinlets. Plunge on shear vein is perpendicular to CA at 35 or 215.	10	
A-10-69A	49.5	62.47	12.97	Dull white-translucent gray mm veinlets parallel to cleavage with cross-cutting veinlets and lateral veinlets at 140-145 to CA. Veins are irregularly spaced.	5	30-50
A-10-69A	77.16	77.7	0.54	Irregularly orientated dull white mm qtz-cal stringers.	5	
A-10-69A	110.4	111.68	1.28	<0.5-1cm dull white qtz-cal veins conformable to cleavage. Veins have <1% disseminated brassy py. Minor mm-1cm qtz-cal veinlets cross-cutting veins.	10	25-30
A-10-69A	113.95	119.43	5.48	White-translucent mm qtz-cal veinlets with several orientations with three main orientations S1 45, S2 135, S3 16 to CA.	5	
A-10-69A	119.43	120.89	1.46	dull white-gray mm Qtz-cal veinlets every 0.5cm conformable to cleavage with rare irregular cross-cutting veinlets.	10	30-35
A-10-69A	120.89	126.75	5.86	Dull white mm qtz-cal veinlets generally orientated at 35 to CA. With irregular cross-cutting veins. At 123.67-124.73 Veins increase in size to <3cm dominantly <0.5cm 60% carbonate 40% qtz, 35 to CA. Veins display trace disseminated brassy fine grained py.	10	35
A-10-69A	142.18	142.48	0.3	Irregular qtz-cal crackle veinlets, some veins orientated along cleavage at 35 to CA.	5	35
A-10-69A	151.8	152	0.2	Irregular qtz-cal crackle veinlets, veins oriented at 40 to CA with micro lateral veinlets.	10	40
A-10-69A	159.69	159.76	0.07	Irregular qtz-cal crackle veinlets with micro lateral veinlets.	10	55
A-10-69A	172.12	172.46	0.34	White mm-1cm qtz-cal veinlets at 20-40 to CA.	20	20
A-10-69A	180.73	182.5	1.77	Late cm to mm dilation microfractures filled with calc-silicates along with stepped veins from parallel shear structures. Stringers contain trace to 1% secondary coarse grained and cubic pyrite	15	
A-10-69A	183.57	183.61	0.04	zone of healed fault affected late micro-fractures filled with calc-silicates with random orientations and barren of sulphides	35	
A-10-69A	184.51	184.56	0.05	zone of micro-stringers / late fractures filled with calc-silicates along with elongated wisps of finely disseminated pyrite.	5	40
A-10-69A	190.67	190.75	0.08	8cm wide oval calcite filled (pressure halo?) along the lower margin of a septarian concretion. Calcite is barren of any sulphides	40	
A-10-69A	208.58	208.84	0.26	region of interlaminated calc-silicates and black mudstone shear veins along with late dilation calc-silicate filled micro-fractures.		
A-10-69A	209.68	209.69	0.01	1cm wide convoluted shear vein with interlaminations of calc-silicates and black mudstone. Overall angle of the vein is 90TCA	60	90
A-10-69A	212	213.87	1.87	Zone of highly concentrated calc-silicate veins,stringers and late fractures giving the core a white and black brecciated appearance. Vein orientation is predominantly 25TCA, stringers and late dilation fractures are randomly oriented. All veins and stringers are barren of any mineralization.	40	25
A-10-69A	214.5	214.51	0.01	0.5cm wide shear vein with interlaminations of calc-silicates and black mudstone.	50	70
A-10-69A	215.05	215.09	0.04	1.5cm wide shear vein with interlaminatinos of clac-silicates and black mudstone along with trace amounts of honey brown sphalerite.	40	140

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-69A	216.23	216.58	0.35	Low angle rolling alc-silicate veins which have an orienation of 25 and 165TCA	20	25
A-10-69A	217.14	217.17	0.03	3cm wide shear vein which is predominantly calc-silicate however has minor sub-mm interlaminations of black mudstone.	80	90
A-10-69A	218.92	218.94	0.02	2 cm wide shear vein with interlaminated calc-silicates and black mudstone. Laminations decrease in width downhole.	40	35
A-10-69A	223.1	224	0.9	zone of high concentration of calc-silicate veins and late micro-fractures filled with calc-silicates along with a high density of pyrite beds giving the core a brecciated white, black and bronze color. Dominant vein orienation is 35 TCA and pyrite beds at 45 TCA. Veins and stringers have 1-2% sphalerite locally	25	35
A-10-69A	227.64	228.1	0.46	Late micro-factures pareallel to cleavage and filled with calc-silicates. Barren of sulphides or mineralization.	5	25
A-10-69A	233.08	233.11	0.03	sub-mm wide repetitive shear veins with interlaminations of calc-silicates and black shale with slighly convoluted bedding angles, but a general orientation of 110TCA.	20	110
A-10-69A	236	237.8	1.8	White mm Qtz-cal crackle veinlets brecciating the host rock. No specific orientation.	10	
A-10-69A	247.3	247.35	0.05	Inter-laminated gray-white mm qtz-cal veinlets. Shear Vein at 90 to CA.	80	90
A-10-69A	250.81	251.28	0.47	Fault related qtz-cal breccia at 30 to CA with lateral veinlets at 150 to CA	60	30
A-10-69A	272.94	275	2.06	Late fractures with mm dilation veining displaying stockwork texture. Veinlets composed of qtz-cal generally oreintation at 20-30 to CA.	30	25
A-10-69A	293.01	301.82	8.81	5-10cm spaced <1cm light grey calc-sil veinlets at 40-45 to CA carrying secondary cubic brassy fine grained py. White 3cm calc-sil vein at 301.38m.	10	43
A-10-69A	308	308.54	0.54	three sets of mm dilation calc-sil veinlets at 170 to CA.	5	170
A-10-69A	308.7	308.75	0.05	Calc-sil dilation veinlets at 50 to CA.	20	50
A-10-69A	311.2	311.91	0.71	Stockwork mm white calc-sil dilation veinlets.	20	
A-10-69A	313.25	314.1	0.85	Calc-sil breccia with mm cal-sil cross-cutting veinlets no specific orientation.	20	

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-69A	3	16.5	13.5	fault zone, broken core, gouge, brecciation at 3.56-3.80, qc stringers, vuggy	FLT	
A-10-69A	16.65	16.68	0.03	small fold	BDG	20
A-10-69A	16.7	16.72	0.02	part of above fold	BDG	0
A-10-69A	16.75	16.78	0.03	part of fold	BDG	23
A-10-69A	17.54	17.55	0.01	silt layer bedding	BDG	40
A-10-69A	20.36	20.37	0.01	Cleavage	CLV	30
A-10-69A	20.96	20.97	0.01	Silty bed	BDG	70
A-10-69A	23.2	23.21	0.01	Cleavage	CLV	20
A-10-69A	23.65	25.15	1.5	Blocky fractured fault with weakly developed fault gouge along cleavage plane. Cleavage at 30-35. Dark-grey silty beds at 55 to CA	FLT	
A-10-69A	26	26.01	0.01	Cleavage	CLV	35
A-10-69A	26.96	26.97	0.01	Medium gray silty laminations variably calcareous	BDG	60
A-10-69A	27.9	27.91	0.01	Nodular Barite	BDG	55
A-10-69A	29	29.01	0.01	Cleavage	CLV	50
A-10-69A	29.42	29.43	0.01	Nodular Barite	BDG	50
A-10-69A	29.43	29.44	0.01	Silty bed	BDG	50
A-10-69A	29.82	31.48	1.66	Blocky fractured fault with weakly developed fault gouge along cleavage plane. Healed upper contact of fault zone by qtz-cal veinlets	FLT	20
A-10-69A	32.09	32.1	0.01	Cleavage	CLV	25
A-10-69A	32.19	32.2	0.01	Nodular Barite	BDG	40
A-10-69A	32.35	32.36	0.01	Nodular Barite	BDG	45
A-10-69A	34.58	35.3	0.72	Fracture-blocky core with weakly developed fault gouge. With a 3cm shear vein.	FLT	
A-10-69A	36.95	36.96	0.01	Cleavage	CLV	50
A-10-69A	38.7	38.71	0.01	Cleavage	CLV	30
A-10-69A	39.25	39.26	0.01	Cleavage	CLV	45
A-10-69A	40.91	40.92	0.01	Cleavage	CLV	30
A-10-69A	41.86	56.66	14.8	Large Fault zone. Highly fractured blocky core, well developed fault gouge in 3-5cm sections continuing downhole. Cleavage at 35-55 to CA.	FLT	
A-10-69A	56.75	56.76	0.01	Cleavage	CLV	35
A-10-69A	58.24	58.25	0.01	Cleavage	CLV	30
A-10-69A	59.5	59.51	0.01	Cleavage	CLV	32
A-10-69A	60.8	60.81	0.01	Cleavage	CLV	30

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-69A	62.56	62.57	0.01	Cleavage	CLV	25
A-10-69A	65.21	65.22	0.01	Cleavage	CLV	20
A-10-69A	67.64	67.65	0.01	Cleavage	CLV	20
A-10-69A	68.78	68.79	0.01	Cleavage	CLV	30
A-10-69A	69.36	73.45	4.09	Fractured blocky core with moderately developed fault gouge after 71m where core is highly fractured.	FLT	23
A-10-69A	74.05	74.4	0.35	Fractured blocky core with weakly developed fault gouge along cleavage plane. Cleavage plane has a nice graphitic sheen, reflective surface.	FLT	20
A-10-69A	74.85	74.86	0.01	Cleavage	CLV	20
A-10-69A	75.15	76.85	1.7	Fractured blocky core with weakly developed fault gouge along cleavage plane. Cleavage plane has a weak graphitic sheen. Minor qtz-cal veinlets at lower contact.	FLT	
A-10-69A	77.82	79.51	1.69	Fractured blocky core with moderate developed fault gouge along cleavage which demonstrates a graphitic sheen.	FLT	
A-10-69A	80.5	80.51	0.01	Cleavage	CLV	20
A-10-69A	81.16	81.17	0.01	Cleavage	CLV	25
A-10-69A	83.11	83.12	0.01	Cleavage	CLV	27
A-10-69A	85.2	85.21	0.01	Cleavage	CLV	22
A-10-69A	85.89	85.9	0.01	Cleavage	CLV	20
A-10-69A	87.04	87.05	0.01	Cleavage	CLV	20
A-10-69A	88.01	88.02	0.01	Cleavage	CLV	20
A-10-69A	89.2	89.21	0.01	Cleavage	CLV	30
A-10-69A	90.55	90.56	0.01	Cleavage	CLV	20
A-10-69A	91.7	91.71	0.01	Cleavage	CLV	30
A-10-69A	93.3	93.31	0.01	Cleavage	CLV	30
A-10-69A	95.23	95.24	0.01	Cleavage	CLV	20
A-10-69A	96	96.01	0.01	Cleavage	CLV	20
A-10-69A	98.3	98.31	0.01	Cleavage	CLV	30
A-10-69A	98.62	100.22	1.6	Fault zone, fractured core displaying a strong graphitic sheen along cleavage with weakly developed fault gouge.	FLT	25
A-10-69A	101.2	101.21	0.01	Cleavage	CLV	20
A-10-69A	103.67	103.68	0.01	Cleavage	CLV	30
A-10-69A	106.38	106.39	0.01	Cleavage	CLV	25

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-69A	106.94	106.95	0.01	Cleavage	CLV	25
A-10-69A	107.96	107.97	0.01	Cleavage	CLV	25
A-10-69A	110.22	110.23	0.01	Cleavage	CLV	25
A-10-69A	111.92	111.93	0.01	Cleavage	CLV	30
A-10-69A	113.15	113.16	0.01	Cleavage	CLV	30
A-10-69A	114.63	114.64	0.01	Cleavage	CLV	26
A-10-69A	116.64	116.65	0.01	Cleavage	CLV	25
A-10-69A	117.47	117.48	0.01	Cleavage	CLV	30
A-10-69A	119.05	119.06	0.01	Cleavage	CLV	30
A-10-69A	120.08	120.09	0.01	Cleavage	CLV	35
A-10-69A	121.34	121.35	0.01	Cleavage	CLV	30
A-10-69A	122.33	122.34	0.01	Cleavage	CLV	30
A-10-69A	125.13	125.14	0.01	Cleavage	CLV	40
A-10-69A	127	127.01	0.01	Cleavage	CLV	30
A-10-69A	127.3	127.31	0.01	calcareous silty laminations	BDG	162
A-10-69A	128.37	128.38	0.01	Cleavage	CLV	15
A-10-69A	129.2	129.21	0.01	Cleavage	CLV	20
A-10-69A	129.48	129.49	0.01	Nodular Barite	BDG	160
A-10-69A	130.16	133.19	3.03	Fractured blocky fault with minor fault gouge along cleavage and fractures. Nodular barite beds within fault at 131.90 bedding 170 to CA, cleavage at 20 to CA.	FLT	
A-10-69A	133.73	133.74	0.01	Nodular Barite	BDG	165
A-10-69A	133.8	133.81	0.01	Cleavage	CLV	20
A-10-69A	135.4	135.41	0.01	Cleavage	CLV	20
A-10-69A	136.62	136.63	0.01	Nodular Barite	BDG	157
A-10-69A	136.85	136.86	0.01	Cleavage	CLV	25
A-10-69A	137.12	137.13	0.01	Faint py laminations	BDG	160
A-10-69A	137.69	137.7	0.01	Cleavage	CLV	30
A-10-69A	138.15	138.16	0.01	Py laminations	BDG	155
A-10-69A	139.77	139.78	0.01	Faint py laminations	BDG	157
A-10-69A	140.13	140.14	0.01	Cleavage	CLV	20
A-10-69A	140.75	140.76	0.01	Fine grained py in calcareous silty beds	BDG	150
A-10-69A	141.75	141.76	0.01	Cleavage	CLV	20
A-10-69A	143.12	143.13	0.01	Cleavage	CLV	20
A-10-69A	143.26	143.27	0.01	Faint py laminations	BDG	150
A-10-69A	143.9	145.63	1.73	Blocky fractured fault zone with weakly developed fault gouge along cleavage displaying a graphitic sheen.	FLT	
A-10-69A	145.85	145.86	0.01	Nodular Barite with laminated py	BDG	150
A-10-69A	146.9	146.91	0.01	Laminated vfg py	BDG	155

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-69A	148.4	148.41	0.01	Cleavage	CLV	20
A-10-69A	148.7	148.72	0.02	Cleavage	CLV	20
A-10-69A	149.35	154	4.65	Fractured blocky core with <20cm sections of moderately competent core. Cleavage plane display's a graphitic sheen with weakly developed fault gouge.	FLT	25
A-10-69A	154.8	154.81	0.01	Py laminations	BDG	90
A-10-69A	155.43	155.44	0.01	Cleavage	CLV	20
A-10-69A	155.88	155.89	0.01	Py laminations	BDG	145
A-10-69A	157.1	157.11	0.01	Py laminations	BDG	140
A-10-69A	158	158.01	0.01	Cleavage	CLV	25
A-10-69A	159.88	159.89	0.01	Cleavage	CLV	20
A-10-69A	161.25	161.26	0.01	Cleavage	CLV	25
A-10-69A	163	163.01	0.01	Cleavage	CLV	25
A-10-69A	164.25	164.26	0.01	Cleavage	CLV	20
A-10-69A	166.32	166.33	0.01	Cleavage	CLV	20
A-10-69A	167.72	167.73	0.01	Faint py laminations	BDG	150
A-10-69A	168.15	168.16	0.01	Nodular barite	BDG	150
A-10-69A	171.45	171.46	0.01	Cleavage	CLV	15
A-10-69A	172.12	172.13	0.01	Cleavage	CLV	20
A-10-69A	173.4	173.41	0.01	Cleavage	CLV	20
A-10-69A	175.55	175.56	0.01	Nodular barite	BDG	130
A-10-69A	174.86	174.87	0.01	Cleavage	CLV	20
A-10-69A	175.41	175.42	0.01	Nodular barite	BDG	120
A-10-69A	177.16	177.17	0.01	Cleavage	CLV	25
A-10-69A	177.35	177.36	0.01	Nodular Barite with laminated py	BDG	115
A-10-69A	178.5	178.64	0.14	Highly fractured fault with weakly developed fault gouge in nodular barite	FLT	
A-10-69A	178.8	178.81	0.01	Nodular barite	BDG	130
A-10-69A	179.37	179.38	0.01	Cleavage	CLV	20
A-10-69A	185.12	185.13	0.01	Cleavage	CLV	40
A-10-69A	186.83	186.84	0.01	Cleavage	CLV	55
A-10-69A	187.58	191.68	4.1	Fault with blocky and poker chipped core along upper and lower region along with moderately developed gouge in the centre region.	FLT	
A-10-69A	193.57	193.58	0.01	sub-mm laminations of finely disseminated py along with elongated calcite	BDG	115
A-10-69A	193.83	193.84	0.01	Zone of folded laminations of finely disseminated py and calcite	BDG	140

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-69A	193.88	193.89	0.01	Zone of folded laminations of finely disseminated py and calcite	BDG	90
A-10-69A	194.55	194.56	0.01	3cm wide zone of interlaminated light grey silt and black mudstone	BDG	60
A-10-69A	196.3	197	0.7	Hole drilled sub-parallel to cleavage making the core highly broken	CLV	10
A-10-69A	198.2	205.95	7.75	Hole drilled sub-parallel to cleavage making the core highly broken	CLV	15
A-10-69A	206.3	206.31	0.01	localized fold over 3cm width	BDG	125
A-10-69A	206.32	206.33	0.01	localized fold over 3cm width	BDG	65
A-10-69A	206.7	206.71	0.01	Cleavage	CLV	50
A-10-69A	208.14	208.15	0.01	Localized fold covering 8cm width	BDG	80
A-10-69A	208.16	208.17	0.01	Localized fold covering 8cm width. Hinge of fold	BDG	180
A-10-69A	208.2	208.21	0.01	End of localized fold	BDG	60
A-10-69A	209.54	209.55	0.01	Cleavage	CLV	15
A-10-69A	210	210.01	0.01	Beds of barite nodules and py laminations which define bedding planes	BDG	80
A-10-69A	211.3	211.31	0.01	Cleavage	CLV	30
A-10-69A	215.85	215.86	0.01	Cleavage	CLV	55
A-10-69A	217.32	218	0.68	fault with predominantly blocky and poker chipped core. No gouge present.	FLT	
A-10-69A	219.5	219.51	0.01	Thin beds of finely disseminated pyrite parallel to bedding planes	BDG	55
A-10-69A	219.6	223.1	3.5	Fault with highly fractured and blocky core along upper margine and grades into moderate fault gouge downhole.	FLT	
A-10-69A	220.6	220.61	0.01	Zoned of massive pyrite beds interlaminated barite	BDG	65
A-10-69A	225.55	225.56	0.01	massive beds of pyrite interlaminated with barite nodules	BDG	95
A-10-69A	226.5	227	0.5	Highly blockiy and fault affected core. No fault gouge present.	FLT	
A-10-69A	228.2	228.21	0.01	massive beds of pyrite interlaminated with barite nodules	BDG	90
A-10-69A	229.3	229.31	0.01	massive beds of pyrite interlaminated with barite nodules	BDG	100
A-10-69A	229.59	230.14	0.55	Fault with well developed by headled fault gouge	FLT	

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-69A	230.45	230.46	0.01	Beds of massive pyrite interlaminated with barite nodules comprising a bedding plane	BDG	120
A-10-69A	233.62	233.63	0.01	Cleavage	CLV	50
A-10-69A	234.19	235.55	1.36	fault with blocky core along the upper contact and grades to well developed gouge towards the lower contact.	FLT	
A-10-69A	236	239.12		fractured blocky core with well developed fault gouge and graphitic sheens along cleavage/fracture planes as well as minor qtz, carb veins	FLT	
A-10-69A	239.25	239.26	0.01	Cleavage	CLV	30
A-10-69A	240.2	240.21	0.01	Cleavage	CLV	25
A-10-69A	241.74	241.75	0.01	Cleavage	CLV	25
A-10-69A	242.22	242.23	0.01	Cleavage	CLV	30
A-10-69A	243.84	243.85	0.01	Cleavage	CLV	30
A-10-69A	245.23	245.24	0.01	Cleavage	CLV	35
A-10-69A	246.83	246.84	0.01	Cleavage	CLV	20
A-10-69A	246.96	246.97	0.01	Silty bed	BDG	90
A-10-69A	247.43	247.44	0.01	Nodular Barite with laminated py	BDG	85
A-10-69A	247.71	247.72	0.01	Nodular Barite with laminated py	BDG	90
A-10-69A	248	248.01	0.01	Cleavage	CLV	25
A-10-69A	248.37	250.27	1.9	Blocky fractured fault zone with weakly developed fault gouge along cleavage displaying a graphitic sheen. Fault contains <2% qtz-cal dilations veinlets.	FLT	15
A-10-69A	251.48	251.49	0.01	Cleavage	CLV	25
A-10-69A	251.55	251.56	0.01	Nodular barite	BDG	40
A-10-69A	251.92	251.93	0.01	Cleavage	CLV	50
A-10-69A	251.96	251.97	0.01	Nodular barite	BDG	60
A-10-69A	252.27	256.08	3.81	Heavily faulted highly fractured core with 10-30cm sections of fault gouge. Graphitic sheen along cleavage.	FLT	15
A-10-69A	256.32	256.33	0.01	Bedded barite	BDG	80
A-10-69A	256.75	256.76	0.01	Bedded barite	BDG	120
A-10-69A	256.85	256.86	0.01	Bedded barite	BDG	90
A-10-69A	257.09	257.1	0.01	Nodular barite and bedded barite	BDG	75
A-10-69A	257.6	257.61	0.01	Cleavage, 1cm sinstral movement along clevage plane	CLV	20

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-69A	257.96	257.97	0.01	bedded py with bedded barite and nodular barite	BDG	60
A-10-69A	258.05	258.06	0.01	Cleavage, 1cm sinstral movement along clevage plane	CLV	20
A-10-69A	259.02	259.03	0.01	Nodular barite and laminated py	BDG	90
A-10-69A	259.45	272.94	13.49	Massive well developed fault gouge. Cleavage still apparent within gouge at 20-40. Gouge at 265m displays small sections <2cm of remnant sulphide mineralization. Upper contact of of fault 20 to CA Lower contact of fault 60 to CA.	FLT	
A-10-69A	273.45	273.46	0.01	Cleavage, 1cm sinstral movement along clevage plane	CLV	30
A-10-69A	274.44	274.45	0.01	Cleavage	CLV	35
A-10-69A	276.74	276.75	0.01	Cleavage	CLV	20
A-10-69A	277.58	277.59	0.01	Black silty beds with light gray silty calcareous beds	BDG	95
A-10-69A	278.18	278.19	0.01	Black silty beds with light gray silty calcareous beds	BDG	90
A-10-69A	278.68	278.69	0.01	Cleavage	CLV	26
A-10-69A	280.69	280.7	0.01	Cleavage	CLV	20
A-10-69A	281.09	281.1	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	BDG	120
A-10-69A	281.79	281.8	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	BDG	110
A-10-69A	281.99	282	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	BDG	170
A-10-69A	282.1	282.11	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	BDG	10
A-10-69A	282.23	282.24	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	BDG	170
A-10-69A	282.41	282.42	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	BDG	124
A-10-69A	282.85	282.86	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	BDG	105
A-10-69A	282.91	282.92	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	BDG	30
A-10-69A	282.94	282.95	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	BDG	145
A-10-69A	282.97	282.98	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	BDG	5
A-10-69A	283	283.01	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	BDG	130

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-69A	283.3	283.31	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	BDG	110
A-10-69A	284.28	284.29	0.01	Cleavage	CLV	
A-10-69A	284.51	284.52	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	BDG	90
A-10-69A	286.22	286.23	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	BDG	100
A-10-69A	287.06	287.07	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	BDG	115
A-10-69A	287.32	287.33	0.01	Cleavage	CLV	17
A-10-69A	288.39	288.4	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	BDG	110
A-10-69A	289.5	289.51	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	BDG	110
A-10-69A	290.14	290.15	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	BDG	110
A-10-69A	290.91	290.92	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	BDG	110
A-10-69A	291.27	291.28	0.01	Cleavage	CLV	35
A-10-69A	293.65	293.66	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	BDG	110
A-10-69A	293.66	293.67	0.01	Cleavage	CLV	25
A-10-69A	294.9	294.91	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	BDG	115
A-10-69A	295.35	295.36	0.01	Cleavage	CLV	35
A-10-69A	296.45	296.46	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	BDG	120
A-10-69A	296.68	296.99	0.31	Black silty beds inter-laminated with light gray silty calcareous beds	CLV	30
A-10-69A	299.68	299.69	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	CLV	40
A-10-69A	306.24	306.25	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	BDG	90
A-10-69A	312.25	312.26	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	CLV	35
A-10-69A	314.89	314.9	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	BDG	90
A-10-69A	317.93	317.94	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	CLV	30
A-10-69A	319.03	319.04	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	BDG	75
A-10-69A	319.5	319.51	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	CLV	35

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-69A	320.52	320.53	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	BDG	75
A-10-69A	323.61	324.2	0.59	Broken rubbly fractured core, fault affected core.	FLT	
A-10-69A	324.81	326	1.19	Broken rubbly fractured core, fault affected core.	FLT	
A-10-69A	326.78	326.79	0.01	Cleavage	CLV	35
A-10-69A	328.2	329.57	1.37	Broken rubbly fractured core, fault affected core.	FLT	
A-10-69A	330.08	330.09	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	BDG	75
A-10-69A	333	333.01	0.01	Cleavage	CLV	25
A-10-69A	333.24	333.25	0.01	Black silty beds inter-laminated with light gray silty calcareous beds	BDG	70
A-10-69A	334.35	334.36	0.01	Cleavage	CLV	55

									7AX	7AX	7AX	7AX	7AX	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	WGHT	7AR.1
									Mo	Cu	Pb	Zn	Ag	Ba	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Wgt	Pb
HOLE ID	FROM	TO	LENGTH	SAMPLE #	% SULPHIDES	% SHALE	STANDARDS	CERTIFICATE #	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	NONE	KG	%
A-10-69A	221.9	223.1	1.2	853005	1	99		VAN10003986	25.9	46.1	291.0	1001	3.4	8598	78.2	6.7	296	4.91	42	12.2	3.5	162	10.0	20.9	<0.5	49	2.09	0.015	14.6	6.2	0.08	572	0.003	0.37	<0.01	0.22	<0.5	0.22	1.8	6.1	6.14	<5	19	2.79358	3.47	
A-10-69A	223.1	223.9	0.8	853006	75	25		VAN10003986	14.4	39.2	313.1	5186	3.1	7503	64.6	4.5	185	4.57	35	1.9	2.0	520	50.1	20.2	<0.5	33	2.42	0.008	8.3	7.9	0.13	490	0.002	0.20	<0.01	0.12	<0.5	0.22	2.1	11.0	5.46	<5	18	2.69772	3.46	
A-10-69A	223.9	224.75	0.85	853007	1	99		VAN10003986	16.4	34.4	59.0	2385	2.8	5549	64.3	5.1	114	2.12	27	2.9	2.4	241	24.9	9.1	<0.5	67	1.12	0.081	11.4	15.2	0.09	1426	0.003	0.30	<0.01	0.14	<0.5	0.06	1.5	1.8	2.46	<5	17	2.58835	3.24	
A-10-69A	224.75	225.44	0.69	853008	1	99		VAN10003986	32.8	66.3	141.2	6005	6.2	12795	130.0	9.3	55	4.12	63	5.7	5.0	131	59.8	20.8	<0.5	119	0.80	0.188	19.1	18.7	0.05	396	0.005	0.49	<0.01	0.25	<0.5	0.20	2.4	3.6	5.10	<5	30	2.66778	2.62	
A-10-69A	225.44	226.38	0.94	853009	6	94		VAN10003986	20.8	57.6	235.8	314	5.2	15989	84.2	6.7	436	5.16	47	3.0	3.6	493	2.9	23.4	<0.5	49	4.42	0.031	12.9	6.2	0.15	344	0.003	0.38	<0.01	0.21	<0.5	0.14	2.2	7.2	5.99	<5	17	2.74914	4.04	
A-10-69A				853010			Blank BL108	VAN10003986	0.6	17.0	4.6	39	<0.5	990	2.5	3.0	547	1.47	<5	1.7	5.3	10	<0.5	<0.5	<0.5	15	0.17	0.016	8.4	14.4	0.22	148	0.083	0.68	0.13	0.33	<0.5	<0.05	3.8	<0.5	<0.05	<5	<2	I.S.	0.02	
A-10-69A	226.38	227.65	1.27	853011	6	94		VAN10003986	20.3	46.2	150.0	1156	2.7	38518	84.0	7.5	175	3.73	37	2.9	3.9	112	13.0	17.5	<0.5	46	1.73	0.025	13.9	5.8	0.19	685	0.003	0.40	<0.01	0.23	<0.5	0.13	2.5	5.0	3.72	<5	14	2.77417	4.58	
A-10-69A	227.65	228.2	0.55	853012	2	98		VAN10003986	9.9	25.6	42.7	446	0.9	43678	57.0	6.5	203	1.71	15	3.4	4.0	125	5.0	5.9	<0.5	39	2.70	0.015	21.0	5.9	0.36	2920	0.003	0.39	<0.01	0.22	<0.5	<0.05	3.0	1.6	1.16	<5	10	2.69825	2.31	
A-10-69A	228.2	229	0.8	853013	6	94		VAN10003986	36.6	63.4	180.5	1691	3.2	13317	103.7	9.8	656	5.28	40	4.8	11.6	399	19.8	21.3	<0.5	74	4.18	0.084	39.3	11.5	0.41	479	0.006	0.52	<0.01	0.26	<0.5	0.12	4.7	5.1	5.75	<5	21	2.74264	3.64	
A-10-69A	229	229.8	0.8	853014	10	90		VAN10003986	26.1	52.0	171.3	1572	3.0	14112	94.4	8.4	158	4.07	40	2.8	4.2	85	18.4	21.8	<0.5	49	0.73	0.016	18.0	7.3	0.17	439	0.004	0.46	<0.01	0.24	<0.5	0.11	3.1	5.9	4.75	<5	20	2.67509	3.46	
A-10-69A	229.8	230.8	1	853015	3	95		VAN10003986	21.9	55.1	135.3	344	3.4	18951	82.5	7.3	370	3.98	40	4.0	3.2	304	4.4	23.1	<0.5	50	3.57	0.025	11.2	6.8	0.28	352	0.003	0.46	<0.01	0.22	<0.5	0.14	2.6	5.5	4.69	<5	17	2.77778	4.23	
A-10-69A	230.8	231.9	1.1	853016	4	95		VAN10003986	23.7	41.8	72.0	2036	2.2	11710	89.7	8.1	235	2.55	27	3.6	4.5	198	22.2	15.5	<0.5	52	1.56	0.033	17.9	7.9	0.26	1513	0.004	0.50	<0.01	0.26	<0.5	0.10	3.2	3.3	3.06	<5	17	2.6785	4.33	
A-10-69A	231.9	232.75	0.85	853017	6	94		VAN10003986	22.9	48.8	75.9	924	2.5	14878	91.9	7.4	191	2.88	30	3.3	4.9	244	12.7	18.1	<0.5	51	1.76	0.036	18.5	6.6	0.27	1151	0.005	0.50	<0.01	0.25	<0.5	0.08	2.9	3.6	3.38	<5	15	2.7137	3.32	
A-10-69A	232.75	233.5	0.75	853018	5	95		VAN10003986	24.0	84.0	143.9	37	3.9	15037	95.3	7.6	178	4.64	46	3.1	5.0	243	<0.5	32.3	<0.5	56	1.07	0.031	18.5	10.9	0.22	528	0.006	0.61	<0.01	0.30	<0.5	0.17	3.1	6.4	5.40	<5	23	2.75361	3.05	
A-10-69A	233.5	234.19	0.69	853019	2	98		VAN10003986	26.0	59.5	78.2	1258	2.6	10092	82.5	7.2	440	3.47	41	4.0	3.8	351	16.8	26.1	<0.5	55	3.47	0.029	17.0	6.4	0.14	1158	0.004	0.41	<0.01	0.22	<0.5	0.12	3.3	3.9	4.22	<5	20	2.70521	2.97	
A-10-69A				853020			STD PB129	VAN10003986	3.6	2865.2	12548.5	21146	25.3	968	10.9	10.6	776	3.35	11	<0.5	0.9	73	120.3	35.3	0.9	39	1.10	0.081	9.6	23.2	1.43	201	0.118	1.94	0.07	0.23	<0.5	0.17	2.3	<0.5	1.93	5	<2	I.S.	0.02	
A-10-69A	234.19	235.16	0.97	853021	1	99		VAN10003986	16.7	37.9	26.0	2677	1.0	6437	73.9	7.4	301	2.11	14	3.6	4.3	521	29.8	12.1	<0.5	54	4.02	0.014	19.1	7.0	0.59	975	0.004	0.41	<0.01	0.23	<0.5	0.10	3.4	1.6	2.29	<5	15	2.64901	2.95	
A-10-69A	245.45	246.75	1.3	853022	Tr	99		VAN10003986	21.0	36.2	18.9	1767	0.8	10071	83.1	8.3	132	1.75	16	4.3	6.9	225	20.5	13.0	<0.5	61	1.79	0.084	23.5	6.7	0.38	1482	0.006	0.49	<0.01	0.27	<0.5	0.12	3.0	2.1	2.20	<5	12	2.6264	4.03	
A-10-69A	246.75	247.3	0.55	853023	Tr	99		VAN10003986	14.5	35.1	34.1	977	1.0	10405	75.9	7.0	277	2.27	14	3.3	6.0	313	13.0	13.6	<0.5	50	2.44	0.083	19.8	6.8	0.68	1204	0.004	0.39	<0.01	0.21	<0.5	0.11	3.5	2.2	2.69	<5	13	2.68389	2.39	
A-10-69A	247.3	248.37	1.07	853024	Tr	99		VAN10003986	24.8	75.1	131.8	28	2.5	37428	95.1	6.9	505	3.54	37	4.3	3.9	410	<0.5	41.9	<0.5	55	2.84	0.032	14.9	6.0	0.28	484	0.002	0.37	<0.01	0.17	<0.5	0.15	2.7	5.4	4.01	<5	26	2.71138	4.61	
A-10-69A	248.37	249.8	1.43	853025	Tr	99		VAN10003986	14.8	44.0	44.8	519	1.2	30569	74.1	7.0	338	2.17	22	2.9	4.7	339	8.5	22.3	<0.5	59	2.85	0.016	19.3	6.5	0.41	1188	0.003	0.40	<0.01	0.21	<0.5	0.14	3.1	3.5	2.27	<5	20	2.68389	3.94	
A-10-69A	249.8	250.81	1.01	853026	Tr	99		VAN10003986	24.4	44.3	32.2	3781	1.2	21313	103.3	8.2	100	1.57	17	4.2	4.3	47	51.8	18.5	<0.5	73	0.41	0.024	18.6	6.6	0.14	1509	0.003	0.44	<0.01	0.23	<0.5	0.28	2.5	2.5	1.93	<5	25	2.6178	3.88	
A-10-69A	250.81	251.28	0.47	853027	Tr	99		VAN10003986	18.6	43.2	48.4	538	1.4	68853	78.7	6.2	482	2.06	24	4.7	2.7	304	8.1	21.7	<0.5	65	4.19	0.015	10.0	6.0	0.58	757	0.002	0.30	<0.01	0.14	<0.5	0.14	3.8	2.9	2.44	<5	19	2.75551	1.87	
A-10-69A	251.28	252.27	0.99	853028	Tr	99		VAN10003986	18.7	49.3	75.2	682	1.7	43885	83.7	6.9	469	2.81	27	2.9	3.7	255	8.5	29.9	<0.5	66	2.82	0.020	15.1	6.6	0.35	616	0.002	0.39	<0.01	0.19	<0.5	0.19	3.4	4.5	3.21	<5	25	2.73087	4.29	
A-10-69A	252.27	254	1.73	853029	Tr	99		VAN10003986	20.7	47.2	67.0	1114	1.7	12210	79.9	5.9	378	1.75	25	3.7	2.4	103	13.5	22.3	<0.5	70	2.06	0.018	9.8	6.9	0.17	1943	0.002	0.35	<0.01	0.17	<0.5	0.18	2.2	3.9	2.16	<5	24	2.63224	3.81	
A-10-69A				853030			STD PB111	VAN10003986	4.4	7042.9	22455.6	4546	197.3	60	14.6	13.3	207	3.79	196	<0.5	<0.5	11	63.4	407.7	23.8	<10	0.16	0.017	0.5	28.9	0.04	10	<0.001	0.05	<0.01	0.02	18.7	1.47	0.6	<0.5	3.79	<5	66	I.S.	0.02	
A-10-69A	254	256	2	853031	Tr	99		VAN10003986	18.3	52.8	91.5	1790	1.8	19885	80.2	6.5	505	2.35	25	4.2	2.4	145	17.9	21.5	<0.5	71	3.33	0.021	7.7	6.7	0.45	1038	0.002	0.36	<0.01	0.15	<0.5	0.26	4.6	2.9	2.89	<5	29	2.70405	4.37	
A-10-69A	256	257	1	853032	82	18		VAN10003986	9.7	31.1	121.9	1541	1.1	271384	45.5	3.3	72	1.45	14	1.3	1.6	126	14.2	14.5	<0.5	109	0.72	0.005	3.3	9.6	0.02	915	0.001	0.21	<0.01	0.08	<0.5	0.23	1.8	3.0	1.77	<5	21	3.34365	4.62	
A-10-69A	257	257.82	0.82	853033	92	8		VAN10003986	14.4	28.4	216.9	2276	1.9	266807	54.3	2.9	204	2.48	29	1.3	1.2	184	16.8	13.1	<0.5	79	1.38	0.007	3.1	7.7	0.02	522	0.001	0.19	<0.01	0.08	<0.5	0.37	2.4	4.9	3.11	<5	19	3.32862	4.02	
A-10-69A				853034			Pulp Duplicate of 853033	VAN10003986	13.5	29.0	210.1	2277	1.9	268434	59.3	3.3	204	2.48	26	1.2	1.2	170	16.1	12.9	<0.5	75	1.37	0.006	2.7	8.1	0.02	504	0.001	0.18	<0.01	0.07	<0.5	0.30	2.2	4.7	3.07	<5	24	3.34002	<0.01	
A-10-69A	257.82	258.76	0.94	853035	80	20		VAN10003986	15.7	30.6	363.3	1716	4.3	155977	64.2	3.3	1600	6.71	62	2.1	1.1	302	13.8	16.6	<0.5	94	7.55	0.027	3.6	10.6	0.09	192	0.001	0.19	<0.01	0.08	<0.5	0.56	3.4	10.7	8.20	<5	13	3.1348	4.57	
A-10-69A	258.76	259.45	0.69	853036	Tr	99		VAN10003986	18.7	32.5	250.7	1648	4.5	152600	88.6	5.0	622	4.01	57	3.2	1.4	199	14.3	10.2	<0.5	89	3.29	0.028	3.4	15.9	0.08	316	0.001	0.32	<0.01	0.10	<0.5	0.60	4.8	9.6	4.91	<5	15	2.9304	3.61	
A-10-69A	259.45	260	0.55	853037	Tr	99		VAN10003986	28.2	44.1	135.1	2186	1.4	41175	110.0	7.4	141	2.70	27	9.8	2.5	112	23.3	19.3	<0.5	193	1.12	0.022	7.8	17.8	0.48	521	0.002	0.98	<0.01	0.14	<0.5	0.43	4.3	3.6	3.34	<5	15	2.60417	1.79	
A-10-69A	260	263	3	853038	Tr	99		VAN10003986	30.6	55.6	96.5	2933	2.2	8734	109.4	7.8	182	2.62	34	6.8	3.0	99	28.2	24.0	<0.5	140	1.65	0.021	10.7	11.2	0.50	1300	0.002	0.42	<0.01	0.20	<0.5	0.35	3.9	2.6	3.27	<5	25	2.6223	4.31	
A-10-69A	263	266	3	853039	Tr	99		VAN10003986	27.1	70.4	77.5	2070	2.2	5840	96.5	7.0	132	2.29	31	7.0	2.9	92	17.7	37.5	<0.5	126	1.52	0.021	14.9	8.8	0.53	1296	0.003	0.39	<0.01	0.21	<0.5	0.29	3.0	2.0	2.84	<5	29	2.63439	4.29	
A-10-69A				853040			Blank BL108	VAN10003986	0.5	17.1	3.0	32	<0.5	1039	2.5	2.9	533	1.47	<5	1.6	4.7	9	<0.5	<0.5	<0.5	15	0.15	0.018	8.4	14.2	0.21	148	0.082	0.64	0.11	0.33	<0.5	<0.05	3.6	<0.5	<0.05	<5	<2	I.S.	0.02	
A-10-69A	266	269	3	853041	Tr	99		VAN10003986	29.0	65.0	78.7	2267	1.8	5890	103.6	8.4	134	1.97	30	8.0	3.1	90	21.9	32.7	<0.5	111	1.57	0.018	13.9	8.1	0.41	1291	0.002	0.40	<0.01	0.23	<0.5	0.29	2.2	2.3	2.48	<5	22	2.56555	3.80	
A-10-69A	269	272	3	853042	Tr	99		VAN10003986	31.1	68.8	80.2	2142	2.1	6043	98.0	8.8	116	2.25	36	7.9	2.7	78	20.9	35.5	<0.5	130	1.38	0.014	13.2	8.8	0.51	1351	0.002	0.38	<0.01	0.21	<0.5	0.42	2.4	2.1	2.66	<5	26	2.59305	6.10	
A-10-69A	272	272.94	0.94	853043	Tr	99		VAN10003986	21.9	36.4	34.6	1557	0.7	3946	58.4	4.8	104	1.03	14	6.1	2.1	60	16.2	11.5	<0.5	95	2.91	0.009	12.7	8.3	0.46	1096	0.002	0.39	0.02	0.15	<0.5	0.19	1.4	0.8	1.23	<5	9	2.51097	4.93	

HOLE ID	DISTANCE	AZIMUTH (mag)	AZIMUTH (true)	DIP	MAGN	SURVEY TYPE	ACCEPTED	COMMENTS
A-10-69A	0		50	-82			Yes	Collar
A-10-69A	20	32.5	53.28	-81.6	5833	Reflex EZ-Shot	Yes	
A-10-69A	50	22.7	43.48	-80.7	5756	Reflex EZ-Shot	Yes	
A-10-69A	80	22.2	42.98	-78	5739	Reflex EZ-Shot	Yes	
A-10-69A	110	22	42.78	-76.8	5738	Reflex EZ-Shot	Yes	
A-10-69A	140	21.7	42.48	-76.4	5747	Reflex EZ-Shot	Yes	
A-10-69A	170	21.3	42.08	-75.7	5743	Reflex EZ-Shot	Yes	
A-10-69A	200	20.8	41.58	-75.6	5751	Reflex EZ-Shot	Yes	
A-10-69A	230	20.6	41.38	-74.7	5742	Reflex EZ-Shot	Yes	
A-10-69A	284	19.5	40.28	-74.9	5753	Reflex EZ-Shot	Yes	
A-10-69A	314	20.4	41.18	-74.9	5748	Reflex EZ-Shot	Yes	

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-69A	8	11	3	1.31	43.67	0.68	22.67												
A-10-69A	11	14	3	3.05	101.67	0.16	5.33												
A-10-69A	14	17	3	3	100.00	0.22	7.33												
A-10-69A	17	20	3	2.71	90.33	1.45	48.33	1					1						
A-10-69A	20	23	3	2.99	99.67	2.17	72.33												
A-10-69A	23	26	3	2.75	91.67	1.31	43.67	2			1		1						
A-10-69A	26	29	3	3	100.00	2.38	79.33												
A-10-69A	29	32	3	2.7	90.00	1.5	50.00	1					1						
A-10-69A	32	35	3	2.9	96.67	1.47	49.00												
A-10-69A	35	38	3	2.9	96.67	1.33	44.33	1					1						
A-10-69A	38	41	3	2.91	97.00	2.13	71.00												
A-10-69A	41	44	3	2.84	94.67	1.08	36.00												
A-10-69A	44	47	3	2.74	91.33	0.66	22.00												
A-10-69A	47	50	3	2.35	78.33	0.28	9.33												
A-10-69A	50	53	3	1.99	66.33	0.26	8.67												
A-10-69A	53	56	3	1.71	57.00	0.14	4.67												
A-10-69A	56	59	3	2.7	90.00	0.76	25.33												
A-10-69A	59	62	3	2.85	95.00	0.9	30.00												
A-10-69A	62	65	3	2.88	96.00	1.46	48.67												
A-10-69A	65	68	3	3	100.00	1.69	56.33												
A-10-69A	68	71	3	2.28	76.00	0.31	10.33												
A-10-69A	71	74	3	2.43	81.00	0.32	10.67	1					1						
A-10-69A	74	77	3	2.48	82.67	0.31	10.33												
A-10-69A	77	80	3	3.06	102.00	0.52	17.33												
A-10-69A	80	83	3	2.66	88.67	0.98	32.67												
A-10-69A	83	86	3	2.93	97.67	1.75	58.33	1					1						
A-10-69A	86	89	3	2.92	97.33	1.99	66.33	1					1						
A-10-69A	89	92	3	3.01	100.33	2.55	85.00												
A-10-69A	92	95	3	2.83	94.33	1.6	53.33												
A-10-69A	95	98	3	2.77	92.33	0.85	28.33												
A-10-69A	98	101	3	2.45	81.67	0.18	6.00	1					1						
A-10-69A	101	104	3	2.83	94.33	1.16	38.67												
A-10-69A	104	107	3	2.75	91.67	1.21	40.33												
A-10-69A	107	110	3	2.5	83.33	1.81	60.33												
A-10-69A	110	113	3	2.88	96.00	0.86	28.67												
A-10-69A	113	116	3	2.94	98.00	1.1	36.67												
A-10-69A	116	119	3	2.7	90.00	2.2	73.33	1			1								
A-10-69A	119	122	3	2.85	95.00	2.2	73.33												
A-10-69A	122	125	3	2.96	98.67	2.17	72.33	2	2										
A-10-69A	125	128	3	2.93	97.67	1.97	65.67	22	18	3			1						
A-10-69A	128	131	3	2.85	95.00	1.15	38.33												
A-10-69A	131	134	3	2.61	87.00	0.9	30.00												
A-10-69A	134	137	3	2.94	98.00	2.38	79.33												
A-10-69A	137	140	3	2.95	98.33	2.09	69.67												
A-10-69A	140	143	3	2.85	95.00	1.88	62.67												
A-10-69A	143	146	3	2.7	90.00	0.68	22.67												
A-10-69A	146	149	3	2.75	91.67	0.9	30.00												
A-10-69A	149	152	3	2.62	87.33	0.76	25.33	9	7	2									
A-10-69A	152	155	3	3.01	100.33	0.49	16.33	1					1						
A-10-69A	155	158	3	2.96	98.67	2.1	70.00												
A-10-69A	158	161	3	2.9	96.67	2.2	73.33	8	6		1		1						
A-10-69A	161	164	3	2.93	97.67	2.16	72.00	3	2				1						

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-69A	164	167	3	3.05	101.67	1.06	35.33												
A-10-69A	167	170	3	2.94	98.00	2.25	75.00	4	1	2	1								
A-10-69A	170	173	3	2.97	99.00	1.47	49.00	9	7	2									
A-10-69A	173	176	3	3.03	101.00	1.87	62.33	1		1									
A-10-69A	176	179	3	2.94	98.00	1.45	48.33												
A-10-69A	179	182	3	2.9	96.67	1.49	49.67												
A-10-69A	182	185	3	2.92	97.33	1.13	37.67	2					2						
A-10-69A	185	188	3	2.43	81.00	0.62	20.67												
A-10-69A	188	191	3	2.16	72.00	0.14	4.67	7	6				1						
A-10-69A	191	194	3	2.4	80.00	0.65	21.67	9	3	4		2							
A-10-69A	194	197	3	2.83	94.33	1.23	41.00	3	2				1						
A-10-69A	197	200	3	2.5	83.33	0.36	12.00	3		1	1	1							
A-10-69A	200	203	3	2.66	88.67	0	0.00	1				1							
A-10-69A	203	206	3	2.8	93.33	0.12	4.00	1				1							
A-10-69A	206	209	3	2.62	87.33	0.1	3.33	1			1								
A-10-69A	209	212	3	3	100.00	0.36	12.00	2			1	1							
A-10-69A	212	215	3	3.06	102.00	1.35	45.00												
A-10-69A	215	218	3	2.82	94.00	0.82	27.33												
A-10-69A	218	221	3	2.86	95.33	0.3	10.00	2	1				1						
A-10-69A	221	224	3	2.46	82.00	0.88	29.33	19	11	6	1		1						
A-10-69A	224	227	3	2.99	99.67	2.17	72.33	3	1		2								
A-10-69A	227	230	3	2.84	94.67	2.44	81.33	8	4	2	2								
A-10-69A	230	233	3	2.48	82.67	2.05	68.33	1				1							
A-10-69A	233	236	3	2.54	84.67	1.01	33.67	1				1							
A-10-69A	236	239	3	2.74	91.33	0.39	13.00												
A-10-69A	239	242	3	3.06	102.00	0.4	13.33												
A-10-69A	242	245	3	2.87	95.67	1.82	60.67												
A-10-69A	245	248	3	3.04	101.33	0.74	24.67												
A-10-69A	248	251	3	2.66	88.67	0.23	7.67												
A-10-69A	251	254	3	2.23	74.33	0.47	15.67												
A-10-69A	254	257	3	2.75	91.67	0.53	17.67												
A-10-69A	257	260	3	3.14	104.67	2	66.67												
A-10-69A	260	263	3	1.25	41.67	0	0.00												
A-10-69A	263	266	3	1.68	56.00	0	0.00												
A-10-69A	266	269	3	1.35	45.00	0	0.00												
A-10-69A	269	272	3	1.58	52.67	0	0.00												
A-10-69A	272	275	3	2.94	98.00	1.33	44.33												
A-10-69A	275	278	3	2.85	95.00	2.39	79.67												
A-10-69A	278	281	3	3.04	101.33	1.56	52.00												
A-10-69A	281	284	3	3.08	102.67	2.48	82.67												
A-10-69A	284	287	3	2.94	98.00	1	33.33												
A-10-69A	287	290	3	2.94	98.00	1.74	58.00												
A-10-69A	290	293	3	3	100.00	1.61	53.67												
A-10-69A	293	296	3	3.01	100.33	2.26	75.33												
A-10-69A	296	299	3	2.9	96.67	2.4	80.00												
A-10-69A	299	302	3	3.04	101.33	2.54	84.67												
A-10-69A	302	305	3	2.99	99.67	1.62	54.00												
A-10-69A	305	308	3	2.9	96.67	1.42	47.33												
A-10-69A	308	311	3	2.98	99.33	1.19	39.67												
A-10-69A	311	314	3	2.9	96.67	2.43	81.00												
A-10-69A	314	317	3	2.97	99.00	2.27	75.67												
A-10-69A	317	320	3	2.94	98.00	0.98	32.67												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-69A	320	323	3	2.91	97.00	1.54	51.33												
A-10-69A	323	326	3	2.94	98.00	0.8	26.67												
A-10-69A	326	329	3	2.86	95.33	1.06	35.33												
A-10-69A	329	332	3	2.9	96.67	1.41	47.00												
A-10-69A	332	335	3	2.87	95.67	0.38	12.67												

COAST MOUNTAIN GEOLOGICAL LTD.
DRILL HOLE COVER SHEET

PROPERTY: **AKIE**
DRILL HOLE #: A-10-70
LOGGED BY: David Draeseke, Cam Norton
COVER SHEET DATE: July 18,2010

DDH COLLAR LOCATION

PROPOSED
DATUM: NAD 83 Zone 10

LOCAL GRID
NORTH:
EAST:
ELEVATION:

UTM CO-ORDS
NORTHING: 6362552
EASTING: 386932
ELEVATION: 1656

SURVEYED

LOCAL GRID
NORTH:
EAST:
ELEVATION:

UTM CO-ORDS
NORTHING:
EASTING:
ELEVATION:

DDH COLLAR ORIENTATION

PROPOSED
AZIMUTH: 50
DIP: -76

SURVEYED
AZIMUTH:
DIP:

DDH LENGTH

PROPOSED
LENGTH: 375

ACTUAL
LENGTH: 400

DOWN HOLE SURVEY

SURVEY TYPE: Reflex EZ Shot

DISTANCE	AZIMUTH	DIP	ACPTED	COMMENTS
0	50	-76	YES	
13	49.08	-74	YES	
43	47.88	-73.1	YES	
73	46.48	-72	YES	
103	47.78	-72.3	YES	
133	47.88	-71.6	YES	
163	48.68	-71.1	YES	
193	49.58	-70.8	YES	
223	49.88	-70.4	YES	
253	47.88	-68.9	YES	
316	44.58	-68.8	YES	
343	45.38	-68.3	YES	
373	47.38	-68.2	YES	

DRILLING INFORMATION

CONTRACTOR: Rodren Drilling
CORE DIAMETER: HQ
DATE STARTED: 16-Jul-10
DATE COMPLETED: 23-Jul-10
CAPPED: Yes
CASING: Yes
UNITS: METRIC: X IMPERIAL:

HOLE OBJECTIVE: Testing mineralization up-dip of drill holes 24, 62, 63

Note: Magnetic Declination is 20.78 degrees to the East

HOLE SUMMARY: The hole was collared to 3.5 meters directly into the Gunsteel formation. The Gunsteel formation continues through 351m with rare nodular barite and common fine grained disseminated pyrite are encountered. The Gunsteel shale has large units of sandstone/silt stone at 151.46m-178m, 184m-204.7m, 265.19m-268.7m, 306.8m-311.9m and 359.23m-400m. The mineralization observed range from 0.05m-2.8m lengths and consist of secondary pyrite replacing calcite, massive beds of pyrite and quartz-calc veins with upto 5% chalcopyrite and trace sphalerite. This hole was drilled to a depth of 400 meters.

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-70	0	4.5		OVB/CASING	Collar/Overburder	CS		CS
A-10-70	4.5	54.7		Dark grey to black mudstone with disseminated py	Dark grey to black mudstone with graphitic sheen on cleavage surfaces along with finely disseminated py. Top of hole is weathered and displays limonitic stains on both cleavage surfaces and fractures. Unit exhibits poker chipped black shale with a small vein near top of hole at 10.25m. Some competent sections starting at 16.3m but followed by busted core and healed fault until 22.1m. Very blocky and poker chipped for many meters. The shale is very weakly calcareous and only strongly reacts to HCL along fractures and veinlets that have been in filled with calc-qtz. Healed fault at 38.67m that is .87m long. Core displays regular cleavage at ~55 degrees.	4SH		GSF
A-10-70	54.7	58		Black shale with nodular barite	Black shale that is moderately siliceous and weakly silicified. Nodular barite beds are being partial replaced by secondary py. Small amount of late fractures filled with calc-silicates.	4BSH		GSF
A-10-70	58	71.06	13.06	Black shale with calcite clasts	Black mudstone with angular to sub-rounded calcite clasts with up 90% py replacement. Matrix is fine grained mudstone that is weekly siliceous with numerous late fractures. Large clast, 12cm, of light grey siltstone contains bedded clasts with py replaced lamination at 64.88m. Contains large interbed of black mudstone upto 1.5m. Highly calcareous beds, ~8-10cm, contained within unit.	4FSH		GSF
A-10-70	71.06	107.13	36.07	Black shale with minor barite and pyrite	Black mudstone interbedded with zones of concentrated finely disseminated pyrite along with nodular barite parallel to bedding. Matrix is moderately siliceous and weakly silicified with fine grained black mudstone gray laminations of silt. Zones of pyrite laminations increase down hole along with barite. Get up to 95% secondary pyrite replacing calcite clasts. Core is competent with a high RQD. Concretions also begin appearing down hole with sizes varying from <1cm to >10cm in diameter. Majority of Calc-silicate stringers/veins present contain trace to 1% sphalerite. Core has regular cleavage at 50-60 degrees but varying bedding due to folding. Upper contact is gradational.	4PYSH		GSF
A-10-70	107.13	138.39	31.26	Black shale with minor interlaminations of finely disseminated pyrite	Black shale with finely disseminated py along with bands of finely disseminated pyrite (~3bands per meter) with an average angle of about 70 TCA. No barite nodules present. Core exhibits good competency with occasional zones of fault affected-poker chipped rock. Bedding and cleavage have an average orientation of 80 and 50 TCA respectively. Core is weakly to moderately siliceous but weakly silicified. Moderate extent of calc-silicate stringers, generally barren of sphalerite, with an average density of 2-5 per meter and are generally 45TCA. Gradational upper contact.	4SH		GSF
A-10-70	138.39	141.29	2.9	Black shale with nodular barite	A small bed of barite rich core (4BSH) is intersected at 139.70-141.29. Intersection exhibits 15% barit and calcite with the calcite nodules being replaced by up to 95% secondary py. Barite intersection also has repetitive calc-silicate mmm to sub-mm wide stringers at 70TCA which occur at an average density of 10 per meter.	4BSH		GSF
A-10-70	141.29	151.46	10.17	Black shale with calcite clasts	Black shale with calcite clasts which are angular to sub-angular and up to 2cm in size and exhibit up to 90% secondary pyrite replacement. Core is moderately siliceous and weakly silicified. At upper contact core is poker chipped, however becomes more competent down hole. Core has an average bedding and cleavage angle of 80 and 50 TCA respectively. Matrix supported with beds of finely laminated pyrite. From ~150 - 155m have a high concentration (close to 60% of the core) of randomly oriented cal silicate filled dilation fault controlled stringers with minor py mineralization. Gradational upper contact	4FSH		GSF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-70	151.46	178	26.54	dark grey siltstone	Dark grey siltstone containing up to 1% finely disseminated py along with lighter grey angular to sub angular clasts of fine grained sandstone up to 3cm in diameter. Rock is moderately siliceous but weakly silicified. Core has a high amount of sub-mm late fractures filled with mudstone and calcite. A small percentage of the calc-silicate stringers contain trace to 1% honey brown sphalerite. Bedding and Cleavage have an average orientation of 50 and 60 TCA respectively. Down hole core becomes increasingly siltstone rich, and takes on a lighter grey coloration. Upper contact of siltstone bed is gradational but marked by a zone of fault affected rock with a moderate amounts of fault gouge.	3SST		AKF
A-10-70	178	184	6	Black shale with minor beds/laminations of finely disseminated py	Black shale with bands of finely disseminated primary py and grey siltstone with an average angle of 4 TCA. Bedding and cleavage exhibit a general orientation of 45 and 40 TCA. Up hole core is highly fractured and poker chipped along with the lower contact. Core is weakly siliceous and weakly silicified. Core contains ~1% calc-silicate stringers with an average width of less than 1cm, and the occasional stringer interlaminated with black shale as a result of shear veining and contain trace amounts of sphalerite. Upper contact is gradational and bound by the fault.	4SH		GSF
A-10-70	184	204.7	20.7	dark grey siltstone	Dark grey siltstone with late fractures filled with black mudstone along with fine grained grey sandston clasts which are angular to sub rounded and up to 2 cm in diameter. Core contains up to 1% finely disseminated primary pyrite and is moderately siliceous but weakly silicified. Core is competent howev has healed faulting evidenced by shear and dilation veining giving core a white-black brecciated appearance. Shear veins evidenced by interlaminations of calc-silicates and black mudstone. Step(stretch) veins also present from parallel shears occurring. General bedding and cleavage angles are approximately parallel with an average angle of 55 TCA. Down hole core becomes increasing silty and takes on a grey color. Calc-silicate stringer density increases down hole in the vicinity of the fault zone with stringers containing up 1% honey brown sphalerite. Upper contact is gradational but marked by a fault.	3SST		AKF
A-10-70	204.7	214.2	9.5	Massive black shale with trace finely disseminated py	Massive black shale, weakly siliceous and weakly silicified with bedding planes difficult to distinguish. Core is competent with an overall high RQD of ~85% except for fault zone from 208.41 to 210.50m with well developed fault gouge along with blocky fault affected core along the shoulder. Cleavage has an average angle of 45 TCA. Core has minimal veining or stringers except for the occasional late fault affected fracture filled with barren calc-silicates. Upper contact is sharp and along the margin of a fault.	4SH		GSF
A-10-70	214.2	265.19	50.99	dark grey siltstone	Dark grey siltstone with late fractures filled with fine grained black mudstone and calc-silicates. High density of healed late fractures giving core a competent yet brecciaed appearance with distance down hole. Core is weakly siliceous and weakly silicified. Core becomes increasingly silt rich down hole along with increasing fractured and poker chipped. Core has grey fine to medium grained sandstone fragments up to 5cm in diameter at an average density of 1 per 3 meters and contain late fractures fille with calc-silicates. Bedding and cleavage remain relatively constant with angles of 55 and 45 TCA respectively. Occasional zones of concentrated finely disseminated and secondary pyrite present. Upper contact appears gradational but is in the vicinity of a fault.	3SST		AKF
A-10-70	265.19	268.7	3.51	light grey medium grained sandstone with black chert nodules	Light grey medium grained sandstone with mm black sub rounded chert nodules and interlaminations of darker grey fine grained sand/siltstone. Clasts of coarse grained rounded to sub rounded sandstone or micro-conglomerate are also present and are up to 3cm in diameter Core is very competent and is weakly to moderately siliceous but poorly silicified. Core has regular bedding and cleavage angles of 40 and 65 TCA respectively . Upper contact is gradational.	3SST		AKF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-70	268.7	306.8	38.1	Black mudstone	Black mudstone with minor sub-mm healed fractures filled with calc-silicates. Core is moderately siliceous but weakly silicified. Core is competent along upper contact however decreases down hole due to extensive faulting. From 274.00 to 294.0 have large fault with extensive fault gouge (both healed and loose). Along fault margins core is highly poker chipped and blocky for approximately 10meters. Bow major fault core has a low RQD (40%) and is extensively poker chipped and blocky for 10 meters. Within fault rip-up clasts of light grey medium grained sub angular sandstone are present and up to 5 cm wide Core has an average bedding and cleavage angle of 55 and 50TCA respectively. Upper contact between the sandstone and black mudstone unit is sharp.	4SH		GSF
A-10-70	306.8	311.9	5.1	medium grained light grey sandstone	medium grained light grey sandstone with late micro fractures filled with fine silt and mudstone. Sandstone unit also contains clasts of coarse grain sandstone up to 3cm in diameter which are sub rounded to well rounded in nature. Unit is moderately siliceous but weakly silicified and barren of sulphides. Unit is very competent and has regular bedding and cleavage angles of 35 and 40 TCA respectively along with regular sub-mm to cm size late dilation calc-silicate veins and stringers with an average density of 15 per meter. A sharp unconformity is also present at 310.46 between the sandstone and a black mudstone unit(unconformable lain unit is 30cms long). Upper contact is sharp.	3SST		AKF
A-10-70	311.9	339.07	27.17	Black mudstone with minor laminations of barite and pyrite	Black mudstone with occasional beds of barite and pyrite. Unit is locally moderately to highly siliceo but weakly silicified. Unit has trace finely disseminated pyrite along with regular bedding and cleavage angles of 50 and 55 TCA respectively. Rock is highly competent except for two regions of faulting which occur from 313.43-314.74 and 320.22-323.10. Concretions are also present at an average density of 1 per 3meters and are up to 4cm in diameter. From 328.33 to 328.90 have a calc-silicate vein at 40 TCA which contains up to 5% massive chalcopyrite along the margin of the vein (see picture attached). Upper contact is gradational.	4SH	4BSH	GSF
A-10-70	339.07	350.2	11.13	black shale interbedded with nodular barite and finely disseminated pyrite	Unit of black shale interbedded with beds of barite and finely disseminated pyrite. Beds of both pyrit and barite tend to be up to 2-4cm in width and occur at an average density of one bed per 20-30cms. locally Barite nodules are being replaced up to 95% by secondary pyrite. Density of barite nodule beds and pyrite increases down hole towards lower contact. Core is moderately siliceous but poorly silicified and overall exhibits excellent competence with average bedding and cleavage of 70 and 65 TCA respectively. Unit also contains an increasing amount of concretions down hole. One septarian concretion 5cm wide is also present at 341.11 which has late shrinkage fractures filled with calcite. Upper contact is gradational.	4BSH		GSF
A-10-70	350.2	351	0.8	black shale with massive interbedded pyrite	Black shale with massive interbedded pyrite along with a high concentration of calc-silicate veins giving core a black, white and bronze coloured brecciaed appearance. Calc-silicate veins are randomly oriented, contain trace amounts of sphalerite, and comprise up approximately 40% of the core. Massive beds of pyrite are located at 350.45-351.00m and are disrupted by limey-sandstone clasts up to 1cm in diameter. Core is competent and has an average cleavage of 60 TCA. Bedding angles are difficult to distinguish due to high amount of veining and mineralization, however, they appear to be parallel to mineralization at 60 TCA. Core is moderately siliceous. Upper contact is sharp.	4MPSH		GSF
A-10-70	351	352.89	1.89	Debris flow	Debris flow containing angular to rounded clasts of calc-silicates, black chert, fossils and pyrite wi clasts up to 2cm in size. Occasional calcite right clasts are being replaced by up to 90% secondary pyrite. Bedding is highly disrupted and difficult to distinguish. Cleavage is uniform with an average angle of 60TCA. Down hole clasts size and concentration decreases, and core becomes increasingly grey and limestone rich. Upper contact is gradational.	5BXLS		PRF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-70	352.89	359.23	6.34	Light grey debris flow interbedded with zones of fossil rich limestone	Light grey fossiliferous and brecciaed limestone which repeatedly grades from coarse grained breccia to finer grained limestone. Fossils reach up to 2cm in diameter, but on average shells are comprised of mm scale calcareous tests. Unit exhibits extensive calc-silicate veins with an average density of roughly 10 per meter and contain up to 1% chalcopyrite locally and trace finely disseminated pyrite. Core is moderately siliceous, weakly silicified and is very competent. Bedding and cleavage angles are 65 and 50 TCA respectively. Unit also contains mm size angular clasts of soft black pyrite rich chlorite or bitumen. Upper contact is sharp.	5BLS		PRF
A-10-70	359.23	400	40.77	Light grey siltstone with fine laminations of lighter grey sandstone	Light grey siltstone comprising the Road River group with laminations of finely disseminated pyri locally. Unit is competent, weakly siliceous and weakly silicified with average bedding and cleavage angles of 110 and 40 TCA. At 364.76- 367.00 have a inter-formational zone whereby dark grey/black stretched angular clasts of mudstone/ finger grained siltstone are present. Three faults are present at 359.23-361.87m, 366.29-372.17 and 397-400m. Unit also has occasional zones of mm scale late calc-silicate filled fractures. Upper contact is fault bound and sharp.	6SS		RRG
					END OF HOLE			

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	ALT	INTENSITY
A-10-70	10.2	10.6	0.4	Surrounding a vein almost entirely composed of quartz, the host mudstone gradationally fades from light grey to dark grey and ranges from highly siliceous to moderately siliceous over that range.	SILC	MOD

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-70	10.25	10.45	0.2	Small stringer zone of 7cm leads to a 5cm vein consisting entirely of quartz.	70	90-180
A-10-70	50.8	50.9	0.1	Calc-silicate	40	40
A-10-70	56.47	56.8	0.33	Qtz calcite stringers 5mm width	25	55
A-10-70	62	62.02	0.02	Calc-silicate vein with mudstone rip-up clasts, up to 0.5cm in size.	95	55
A-10-70	75.25	75.65	0.4	Vein zone is conformable to bedding for first 2cm then runs horizontal TCA at 180 degrees for 15cm. Veinlet at end of interval are conformable again for 1cm. Vein contains small amounts of sph.	10	
A-10-70	79.81	79.91		Laminated calcite-qtz with 1% sph	40	75
A-10-70	81.16	81.21	0.05	Calcite-qtz vein with Tr sulphides	30	70
A-10-70	99.07	99.21	0.14	calc-silicate stringer with trace sulphides	25	45
A-10-70	103	103.16	0.16	calc-silicate stringer with 1% sphalerite and 5% py.	30	40
A-10-70	105.08	107	1.92	zone of calc-silicate stringers sub mm to 1cm in width with up to 30% honey brown coloured sphalerite and up to 10% py. Two orientations of stringers, 60 and 125 TCA	5	125
A-10-70	112.19	112.28	0.09	3cm wide calc-silicate stringer with up to 5% py	70	150
A-10-70	112.7	112.74	0.04	mm scale calc-silicate stringers interlaminated with black mudstone. Trace to 1% sphalerite present in stringers.	80	90
A-10-70	113.4	113.45	0.05	black mudstone interlaminated with calc-silicate stringers with finely disseminated pyrite in wall rock.	10	90
A-10-70	116.42	116.44	0.02	2cm wide calc-silicate vein. Barren of sulphides.	95	30
A-10-70	116.6	118.3	1.7	zone of randomly oriented calc-silicate stringers giving core a brecciated appearance with trace amounts of sphalerite.	60	
A-10-70	121	121.18	0.18	calc-silicate stringers with calcite being replaced by up to 70% secondary py.	40	80
A-10-70	121.65	122.3	0.65	mm to cm scale calc-silicate stringers with up to 5% py	5	100
A-10-70	128.91	129	0.09	two 0.5cm calc silicate stringers with up to 15% secondary py replacing calcite	10	70
A-10-70	130.33	130.46	0.13	calc-silicate stringers mm in scale with 1-2% py replacement of calcite	5	70
A-10-70	131.25	131.49	0.24	up to 5% secondary py replacing calcite.	10	70
A-10-70	132.16	132.95	0.79	parallel calc-silicate stringers mm to 2cm in width and contain up to 10% coarsely disseminated pyrite replacing calcite	15	90
A-10-70	133.13	134.13	1	parallel sub mm to 1cm wide calc-silicate stringers with up to 10% secondary py replacement of calcite	10	70
A-10-70	135	135.47	0.47	0.5mm wide calc-silicate stringers containing up to 5% secondary py	10	60
A-10-70	135.57	135.74	0.17	1cm wide calc-silicate stringers along with 0.5cm wide calc-silicates interlaminated with black mudstone with up to 5% py in stringers.	80	40
A-10-70	136.41	136.6	0.19	mm to 0.5cm wide calc-silicate stringers all parallel with up to 1% py	15	65
A-10-70	138.12	138.22	0.1	interlaminations of black mudstone and calc-silicate stringers. 1-2% py in stringers	10	80
A-10-70	141.4	141.5	0.1	zone of brecciated calc-silicate stringers with black mudstone comprising the matrix. Minimal to trace sulphides present in vein.	70	
A-10-70	150.47	154.7	4.23	zone of highly concentrated and randomly oriented calc-silicate stringers as a result of dilation forces (fault) along with shear veining giving the core a breccieated appearance. Stringers barren of Sphalerite but contain up to 30% coarse pyrite replacing calcite. Dominant vein orientations are 80 and 40 TCA.	60	

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-70	156.25	156.44	0.19	3 parallel calc-silicate stringers up to 1cm in width and containing up to 5% secondary pyrite	10	20
A-10-70	157.72	157.75	0.03	3cm wide calc-silicate stringer with up to 5% py with late fractures filled with black mudstone	90	5
A-10-70	158.03	158.17	0.14	calc-silicate stringers ranging from 4cm to 1cm in width with up 1% py.	70	50
A-10-70	158.74	159.27	0.53	3cm wide calc-silicate stringer at 160TCA along with late fractures filled with calc-silicates.	20	1560
A-10-70	161.21	161.43	0.22	Late fractures filled with calc-silicate stringers along wit shear veining forming interlaminated calc-silcates and black mudstone.	50	55
A-10-70	162.93	163.28	0.35	late shear veining of calc-silicates with interlaminated black mudstone. Core is also poker chipped	30	
A-10-70	165.15	165.38	0.23	three calc-silcate stringers (parallel) and approximately 2cm in width.	10	55
A-10-70	168.28	168.9	0.62	low angle calc-silcate stringer with trace to no sulphides allong with shear veining at bottom of low angle vein. Shear veining marked by interlaminations of calc-silcates and black mudstone.	15	10
A-10-70	170.82	170.9	0.08	0.5cm wide calc-silicate stringer with up to no to trace sulphides.	10	35
A-10-70	172.7	173.08	0.38	three parallel calc-silicate stringers up to 5mmn wide and contain up to 1% honey brown sphalerite.	10	40
A-10-70	173.65	176	2.35	Zone of late fractured core likely as a result of faulting causing dilation calc-silicate filled fractures at randome orentions and shear veins of interlaminated black mudstone and calc-silicates. Veins and stringers also contain up to 5% honey brown spalerite.	15	40
A-10-70	177.15	177.43	0.28	fault affected late dilation calc-silicate filled fractures along with shear veining with calc-silicates intelaminated with host rock.	40	35
A-10-70	184.4	184.8	0.4	5cm wide calc-silicate stringer with trace to 1% sphalerite along with a 5mm wide calc-silcate stringer with 1-2%py	25	30
A-10-70	185.74	185.87	0.13	Two calc-silicate stringers up to 1cm wide with up to 5% py.	30	40
A-10-70	188.1	188.47	0.37	four parallel calc-silicate stringers up to 5mm wide with trace sulphides	5	50
A-10-70	191.17	191.8	0.63	zone of late fractures filled with calc-silicates likely the result of dilation fractures from faulting. Most have random orientations however a few veins have an angle of 70TCA.	65	70
A-10-70	193.24	194.74	1.5	Late fractures filled with calc-silicate stringers along with shear veining forming interlaminated calc-silcates and black mudstone at end of intervol	5	60
A-10-70	195	195.3	0.3	Two crosscutting 1.5cm wide calc-silicate veins at 160 and 55 TCA.	50	
A-10-70	196.32	196.53	0.21	calc-silicate vein with host rock clasts	60	70
A-10-70	138.55	138.9	0.35	late fractures filled with calc-silicates as a result of a nearby fault creating dilation fractures.	10	
A-10-70	199.22	204.7	5.48	Large zone of healed fault affected core with a high degree of randomly orineted late dilation fractures and shear veining with interlaminations of calc-silicates and black mudstone. Stringers contain up to 1% fine grained honey brown sphalerite	30	
A-10-70	215.09	215.19	0.1	Shear vein with interlaminations of calc-silacates and grey siltstone along with a 5cm wide calc-silicate vein with siltstone rip-up clasts.	80	50
A-10-70	216.61	220	3.39	late sub-mm scale fractures filled with calc-silicates at randome orientations	3	
A-10-70	222.77	222.8	0.03	calc-silicate vein barren of sulphides	80	50

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-70	228.85	228.91	0.06	calc-silicate vein barren of sulphides	50	75
A-10-70	230.4	231	0.6	late dilation fractures filled with calc-silcates along with calc-silicate veins at 50TCA	10	50
A-10-70	234.5	235.19	0.69	parallel calc-silicate stringers up to 5cm wide. Barren on sulphides.	50	70
A-10-70	339.38	340.13	0.75	randomly orientate dilation late fractures filled with calc-silicates		
A-10-70	246.58	247.18	0.6	low angle calc-silicate stringer along with dilation fractures filled with calc-silicates. Barren veins.	50	160
A-10-70	248.94	249.54	0.6	2cm wide low angle calc-silicate vein along with sub vertical 5mm calc-silicate stringers. Barren of sulphides.	10	20
A-10-70	257.5	257.63	0.13	Barren calc-silicate stringers up to 2cm wide.	45	40
A-10-70	257.91	258.3	0.39	two calc-silicate veins up to 3cm wide along with late cac-silicate filled dilation fractures with random orientations	25	40
A-10-70	258.87	259.6	0.73	two-calc silicate veins, one is 1cm wide and barren at 45TCA. Other vein is low angle (15 TCA), 2cm wide, and barren of sulphides	10	
A-10-70	262.7	262.8	0.1	1cm wide calc-silicate vein along with late micro-fractures filled with calc-silicates at random orientations	30	50
A-10-70	265.44	265.65	0.21	zone of sub-mm micro fractures along with larger dilation fractures filled with calc-slicates all barren of sulphides or any mineralization		
A-10-70	296.8	296.85	0.05	5cm wide section of shear veining where calc-silicate stringers are interlaminated with black mudstone. Veins are barren of sulphides	60	85
A-10-70	299.33	299.4	0.07	5cm wide calc-silicate stringer barren of suplhides with angluar rip-up clasts of black-mudstone wall rock.	80	70
A-10-70	301	301.25	0.25	late sub-mm microfractures filled with calc-silicates.	10	60
A-10-70	305.03	305.84	0.81	sub-mm late calc-silicate filled dilation fractures. Barren of any sulphides or mineralization	5	50
A-10-70	308.33	311.9	3.57	Zone of high concentration of both calc-silicate filled dilatent fractures up to 5mm wide along iwth calc-silicate stringers up to 2cm wide. Average density of veining and stringers is 15per meter. All barren of sulphides and mineralization.	20	60
A-10-70	312.9	312.92	0.02	2cm wide shear vein which contains interlaminations of calc-silicates and black mudstone at 85TCA	90	85
A-10-70	315.05	315.12	0.07	5cm wide calc-silicate vein barren of any mineralization	85	110
A-10-70	315.57	315.59	0.02	1cm wide calc-silicate shear vein interlaminated with black mudstone	60	75
A-10-70	316.82	317.2	0.38	Three parallel calc-silicate bearing shear veins with interlaminatinos of black mudstone. Shear veins up to 5cm wide and are barren of sulphides.	40	60
A-10-70	317.84	317.87	0.03	3cm wide calc-silicate bearing shear vein with interlaminated black mudstone barren of any sulphides.	80	70
A-10-70	323.1	323.26	0.16	5cm wide shear vein with calc-silicates and black mudstone which is barren on sulphides.	30	90
A-10-70	328.33	328.9	0.57	chalcopyrite bearing calc-silicate vein 40cm wide and contains up to 5% chalcopyrite, both massive and disseminated locally (see pictures attached). Wall rock is unaltered.	80	40
A-10-70	329.06	329.29	0.23	Two calc-silicate stringers with up to 5% finely disseminated pyrite blebs along with late fractures filled with calc-silicates.	20	50
A-10-70	331.84	331.93	0.09	2cm wide calc-silicate vein along with a 1cm wide barren calc-silicate vein	40	80

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-70	339.22	339.28	0.06	2cm wide calc-silicate vein with smaller offshoot mm scale stringers creating a stepped vein as a result of shearing. Vein contains trace amounts of pyrite and honey brown sphalerite.	60	130
A-10-70	349.44	349.7	0.26	low angle o.5cm wide semi-vuggy calc-silicate veins which are barren of sulphides	20	25
A-10-70	350.2	353	2.8	Zone of extensive calc-silcate veining both in the form of dilatent fractures filled with calc-silicates along with high to moderate angled calc-silicate veins giving core a brecciated appearance. Veins and stringers contain trace amounts of honey brown sphalerite.	40	
A-10-70	353	359.91	6.91	Region of concentrated calc-silicate stringers barren of sulphides with an average with of 2cm wide.	40	50
A-10-70	355.5	357.76	2.26	zone of concentrated calc-silicate stringers with an average width of 1cm and contain trace to no sulphides.	20	110
A-10-70	358.14	359.23	1.09	1 meter wide quartz bearing calcite vein with 2% Py and 1% Chalcopyrite present in the vein along the upper contact. No mineralization appears to occur in the middle of the vein or downhole contact.	90	35
A-10-70	366.68	366.79	0.11	Wide shear veins of interlaminated calc-silicates and light grey siltstone	70	55
A-10-70	371.4	371.53	0.13	Calc-silicate vein in middle of fault zone and therefore cannot orient in order to get a core angle. Vein is barren	95	
A-10-70	373.66	373.72	0.06	1cm wide barren calc-silicate vein	50	40
A-10-70	377.05	377.68	0.63	Region of late-sub mm scale calc-silicate fractures/stringers	5	45

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	PY %	SP %	GA %	BA %	CP %	PO %
A-10-70	25.25	26	0.75	Finely disseminated pyrite. Non-bedded. Primary	3					
A-10-70	26.27	26.29	0.02	Finely disseminated dull bronze coloured pyrite. Primary.	30					
A-10-70	43.2	43.95	0.75	Finely disseminated primary pyrite in black shale. Up to 2% secondary py	10					
A-10-70	54.54	54.6	0.06	Secondary finely dissemianted/massive pyrite replacing large 3cm diameter clast of calcite.	95					
A-10-70	55	58	3	finely disseminated secondary pyrite replacing calcite. ~ 2-4mm sized calcite blebs being filled with py. Concentration of Py increases downhole.	5					
A-10-70	58	58.187	0.187	trace sphalerite in a calc-silicate stringer interlaminated with black mudstone	45					
A-10-70	58.18	58.25	0.07	Finely disseminated primary pyrite. Dull bronze colour.	10					
A-10-70	60.8	61.12	0.32	coarse grained secondary pyrite replacing calicite in region of high localized folding. Mineralization is following bedding	15					
A-10-70	59.6	69.6	10	Matrix supported anglular to subrounded calcite clasts being replaced by up to 95% secondary pyrite. Average size of clasts are 1cm in diameter but up to 3cm. Size and concentration of						
A-10-70	68.7	69.65	0.95	Zone of anglular sedimentary clasts with up to 50% pyrite replacing calcite	15					
A-10-70	75.07	75.08	0.01	1cm wide calc-silcate stringer with up 1% sphalerite present at 70 TCA	1	1				
A-10-70	74.25	74.65	0.4	zone of calc-silcate stringers with up to 3% sphalerite. Stringer angles vary 45 and 20TCA	1	3				
A-10-70	77.4	77.65	0.25	zone of finely disseminated along with diagenetic py.	25					
A-10-70	79	79.07	0.07	zone of secondary py replacing calcite stringers. Coarsely disseminated pyrite.	15					
A-10-70	79.89	79.91	0.02	up to 3% copper-bronze coloured sphalerite in a laminated calc-silicate stringer with 75TCA	1	3				
A-10-70	81.16	81.21	0.05	Trace sphalerite in a calc-silicate stringer interlaminated with black mudstone	5	Tr.				
A-10-70	82.25	82.6	0.35	Finely disseminated primary py along with coarse grained diagenetic py in zone of late fractures filled with calc-silicates	10					
A-10-70	83.07	83.09	0.02	1cm wide calc-silcate stringer being replaced with secondary pyrite up to 90%	90					
A-10-70	83.3	83.35	0.05	massive finely disseminated primary py creating a hazy appearance to core.	85					
A-10-70	85.58	85.61	0.03	calc-silicatek stringers with secondary py replacement	60					
A-10-70	88	88.05	0.05	3cm wide calc-silacte stringer with coarse grained py and coarse sphalerite grains. Vein at 45 TCA	1	1				
A-10-70	88.83	89	0.17	parallel calc-silcate stringers up to 5 cm in width and up to 10 % sphalerite in the mm scale stringers.	1	3				
A-10-70	89.19	89.21	0.02	black mudstone interlaminted with sub-mm calc-silcate stringers with secondary py (coarse grained) present	40					
A-10-70	89.32	89.35	0.03	2cm wide calc-silcate stringer with trace to 1% honey brown coloured sphalerite present	3	1				
A-10-70	89.6	89.95	0.35	zone of calc silcate stringers filling fractures and random orientations. Contain up to 10% coarse pyrite and 1% honey brown coloured sphalerite	10	1				
A-10-70	97.09	97.23	0.14	Band of secondary py replacing calcite. Coarse grained py.	10					
A-10-70	103	103.16	0.16	calc-silicate stringers with up to 3% honey brown sphalerite present along with 5% py	1	3				
A-10-70	104.3	104.4	0.1	mm to 2 mm parallel calc-silicate stringers with up to 3% sphalerite	10	3				

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	PY %	SP %	GA %	BA %	CP %	PO %
A-10-70	105.08	107	1.92	region of mm to 1cm wide calc-silcate stringers with a density of 6 per meter and containing up to 40% honey brown sphalerite	10	5				
A-10-70	109.92	109.97	0.05	finely disseminated, massive dull bronze pyrite forming a hazy appearance to core over a 2 cm wide interval.	80					
A-10-70	112.12	112.14	0.02	lense of secondary pyrite, finely disseminated replacing a calcite fragment.	80					
A-10-70	112.7	112.74	0.04	black mudstone interlaminted with sub-mm calc-silcate stringers with secondary py (coarse grained) present and trace to 1% sphalerite	1	1				
A-10-70	115.75	115.78	0.03	lense of finely disseminated pyrite	70					
A-10-70	116.6	118.3	1.7	randomly oriented quartz-calcite stringers with trace to 1% sphalerite over the interval	5	1				
A-10-70	119.36	119.53	0.17	region of finely disseminated primary pyrite	20					
A-10-70	137.77	137.87	0.1	zone of concentrated finely disseminated py	15					
A-10-70	139.7	141.29	1.59	secondary unit of barite rich black shale. Barite nodules up to 2mm in size and unit consists of ~ 15% barite. Secondary pyrite replacing calcite with the barite nodules.	5			15		
A-10-70	143.04	143.08	0.04	lense of concentrated finely disseminated py. Primary.	30					
A-10-70	145.03	145.2	0.17	zone of coarse grained secondary pyrite replacing calcite along possible bedding planes.	10					
A-10-70	154.45	154.49	0.04	coare grained pyrite replacing calcite in zone of calc-silicate stringers	65					
A-10-70	167.81	167.83	0.02	two angular clasts of calcite being replaced by secondary pyrite with up to 95% replacement. Clasts are angular and 0.5cm wide.	95					
A-10-70	169.85	170.08	0.23	Localized finely disseminated primary pyrite	10					
A-10-70	170.63	170.82	0.19	Localized finely disseminated primary pyrite	5					
A-10-70	172.7	173.08	0.38	three parallel calc-silicate stringers up to 5mmn wide and contain up to 1% honey brown sphalerite.		1				
A-10-70	173.65	176	2.35	Zone of late fractured core likely as a result of faulting causing dilation calc-silicate filled fractures at randome orentions and shear veins of interlaminated black mudstone and calc-silicates. Veins and stringers also contain up to 5% honey brown spalerite.	1	5				
A-10-70	179.91	180.08	0.17	lenses of finely disseminated pyrite which appear to be parallel to bedding. Up to 1cm wide at an angle of 45 TCA.	10					
A-10-70	181.04	181.15	0.11	Beds of finely disseminated pyrite up to 2cm wide which appear to be parallel to bedding at an angle of 25 TCA	25					
A-10-70	184.4	184.8	0.4	5cm wide calc-silicate stringer with trace to 1% sphalerite along with a 5mm wide calc-silcate stringer with 1-2%py	2	1				
A-10-70	198.33	198.39	0.06	Zone of finely disseminated pyrite	15					
A-10-70	199.22	204.7	5.48	Large zone of healed fault affected core with a high degree of randomly orineted late dilation fractures and shear veining with interlaminations of calc-silicates and black mudstone. Stringers contain up to 1% fine grained honey brown sphalerite and locally up to 10% finely disseminated clouds of pyrite.	3	1				
A-10-70	203.38	203.62	0.24	zone of concentrated finely disseminated py in zone of high denstiy quartz stringers	15					
A-10-70	214.68	214.74	0.06	4cm wide rounded calcite rich clast being replaced by secondary py with up to 95% pyrite	70					

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	PY %	SP %	GA %	BA %	CP %	PO %
A-10-70	257.65	257.69	0.04	zone of concentrated finely disseminated primary py.	30					
A-10-70	263.03	263.08	0.05	1cm wide band of massive secondary pyrite replacing calcite with up to 95% replacement.	40					
A-10-70	328.33	328.9	0.57	chalcopyrite bearing calc-silicate vein 40cm wide and contains up to 5% chalcopyrite, both massive and disseminated locally (see pictures attached). Also contains trace to 1% disseminated sphalerite. Wall rock is unaltered.	2	1			5	
A-10-70	335.93	336	0.07	2cm wide lense of secondary pyrite replacing calcite	20					
A-10-70	339.22	339.28	0.06	2cm wide calc-silicate vein with smaller offshoot mm scale stringers creating a stepped vein as a result of shearing. Vein contains trace amounts of pyrite and honey brown sphalerite.	Tr	Tr.				
A-10-70	343.99	344	0.01	1cm wide bed of barite being replaced by up to 10% coarse grained pyrite	10			80		
A-10-70	350.2	353	2.8	Zone of extensive calc-silcate veining both in the form of dilatent fractures filled with calc-silicates along with high to moderate angled calc-silicate veins giving core a brecciated appearance. Veins and stringers contain trace amounts of honey brown sphalerite.	3	Tr.				
A-10-70	350.45	351	0.55	Massive beds of bronze coloured finely and coarsely disseminated pyrite interlaminated with calc-silicates and black mudstone. Beds are being disrupted by limey-sandstone clasts, welll rounded and up to 1cm in diameter. Pyrite beds have an angle of 60 TCA	45					
A-10-70	358.14	359.23	1.09	1 meter wide quartz bearing calcite vein with 2% Py and 1% Chalcopyrite present in the vein along the upper contact. No mineralization appears to occur in the middle of the vein or downhole contact.	2				1	
A-10-70	388	388.2	0.2	laminations of finely disseminated pyrite and blebs of calcite parallel to bedding	10					

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-70	7	7.01	0.01	cleavage	CLV	50
A-10-70	8.7	16	7.3	Blocky poker chipped fault little to no gouge	FLT	
A-10-70	16.54	16.55	0.01	Fine laminations of silt	BDG	40
A-10-70	16.8	16.81	0.01	cleavage	CLV	45
A-10-70	18.7	22.3	3.6	No fault gouge with poker cips and blcks	FLT	
A-10-70	24.82	24.83	0.01	cleavage	CLV	50
A-10-70	26	26.01	0.01	Fine laminations of silt	BDG	45
A-10-70	26.55	28.6	2.05	Blocky little developed gouge	FLT	
A-10-70	28.89	28.9	0.01	cleavage	CLV	60
A-10-70	31.4	31.41	0.01	cleavage	CLV	55
A-10-70	36.3	36.31	0.01	cleavage	CLV	50
A-10-70	38	38.01	0.01	Fine laminations of silt	BDG	45
A-10-70	38.95	39.66	0.71	Healed fault gouge with fractures filled with calc-silica	FLT	
A-10-70	41.23	41.24	0.01	cleavage	CLV	50
A-10-70	46.45	46.46	0.01	cleavage	CLV	50
A-10-70	47.3	47.31	0.01	Fine laminations of silt	BDG	45
A-10-70	48.78	48.79	0.01	cleavage	CLV	45
A-10-70	50.11	50.12	0.01	Lenticular py with calc-silica	BDG	65
A-10-70	50.55	50.56	0.01	cleavage	CLV	50
A-10-70	54.91	54.92	0.01	cleavage	CLV	50
A-10-70	56.92	56.93	0.01	Course grain py aligned along bedding plane	BDG	50
A-10-70	57.21	57.22	0.01	cleavage	CLV	55
A-10-70	58.45	58.46	0.01	Silty laminations	BDG	50
A-10-70	59.58	59.59	0.01	Lenticular finely disseminated py	BDG	70
A-10-70	60.84		-60.84	Folded silt beds with course grained py	BDG	30
A-10-70	60.94	60.95	0.01	Folded silt beds with course grained py	BDG	160
A-10-70	60.97	60.98	0.01	Folded silt beds with course grained py	BDG	40
A-10-70	61	61.01	0.01	Folded silt beds with course grained py	BDG	125
A-10-70	62.89	62.9	0.01	Fine laminations of silt with minor py and barite	BDG	60
A-10-70	64.27	64.28	0.01	cleavage	CLV	60
A-10-70	66.81	66.82	0.01	Silty laminations with abundant barite	BDG	65
A-10-70	67.93	67.94	0.01	cleavage	CLV	60
A-10-70	72.67	72.68	0.01	Silty laminations with disseminated py	BDG	65

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-70	73.72	73.73	0.01	cleavage	CLV	50
A-10-70	74.76	74.77	0.01	Mudstone lamination with small disseminated py		
A-10-70	75.2	75.21	0.01	cleavage	CLV	50
A-10-70	76.2	76.21	0.01	Finely disseminated py	BDG	155
A-10-70	78.15	78.16	0.01	cleavage	CLV	55
A-10-70	79.85	79.86	0.01	Finely disseminated py in lenticular beds	BDG	70
A-10-70	80.23	80.24	0.01	cleavage	CLV	50
A-10-70	81.5	81.51	0.01	laminated disseminated py in silty beds	BDG	35
A-10-70	81.54	81.55	0.01	Unconformity	UNC	85
A-10-70	81.55	81.56	0.01	laminated disseminated py in silty beds	BDG	85
A-10-70	82.3	82.31	0.01	Finely disseminated pyrite interlaminated in sub-mm scale silty beds	BDG	70
A-10-70	84	84.01	0.01	cleavage	CLV	55
A-10-70	86.04	86.05	0.01	Sub-mm scale laminations of pyrite and barite nodules parallel to bedding	BDG	75
A-10-70	91.23	91.24	0.01	semi-massive finely disseminated pyrite	BDG	70
A-10-70	95.22	95.23	0.01	Cleavage	CLV	50
A-10-70	97.58	97.59	0.01	sub-mm silty gray laminations with finely disseminated py and nodular barite	BDG	70
A-10-70	98.26	98.27	0.01	fine laminations of finely disseminated py, interlaminated with silt and barite nodules	BDG	70
A-10-70	99.9	99.91	0.01	cleavage	CLV	60
A-10-70	102.73	102.74	0.01	sub-mm scale finely disseminated pyrite interlaminated with silt and barite nodules	BDG	65
A-10-70	103.5	103.51	0.01	Localized fold over 20cm interval	BDG	90
A-10-70	103.9	103.91	0.01	Localized fold over 20cm interval	BDG	160
A-10-70	104.05	104.06	0.01	Localized fold over 20cm interval	BDG	60
A-10-70	104.95	104.96	0.01	lenticular lenses of finely disseminated pyrite forming bedding planes	BDG	75
A-10-70	107.3	107.31	0.01	light grey silty laminations 2-3mm in scale with finely disseminated pyrite	BDG	80
A-10-70	108.57	108.58	0.01	Cleavage	CLV	55

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-70	109.9	109.91	0.01	Lenticular silty py bed	BDG	70
A-10-70	110.92	110.93	0.01	lenticular lents of gray silt and finely disseminated py.	BDG	80
A-10-70	111.35	111.36	0.01	cleavage	CLV	50
A-10-70	113.85	113.86	0.01	Finely disseminated pyrite and gray silt laminations	BDG	80
A-10-70	116.15	116.16	0.01	cleavage	CLV	65
A-10-70	124.92	124.93	0.01	cleavage	CLV	80
A-10-70	125.7	125.71	0.01	Finely disseminated py in lenticular beds	BDG	90
A-10-70	126.56	128.9	2.34	fault affected zone creating blocky core	FLT	
A-10-70	130.27	130.28	0.01	finely disseminated pyrite forming lenticular laminations	BDG	90
A-10-70	134.13	134.14	0.01	cleavage	CLV	70
A-10-70	137.32	137.33	0.01	cleavage	CLV	70
A-10-70	138.41	138.42	0.01	finely disseminated pyrite forming lenticular laminations	BDG	70
A-10-70	142.44	142.45	0.01	cleavage	CLV	70
A-10-70	144.5	144.51	0.01	finely disseminated pyrite forming lenticular laminations	BDG	60
A-10-70	147	147.01	0.01	fine grained silty laminations along with finely disseminated pyrite	BDG	85
A-10-70	147.57	147.58	0.01	cleavage	CLV	65
A-10-70	150.47	151.46	0.99	faulted and fault affected core with localized fault gouge. Grades to blocky core downhole	FLT	
A-10-70	151.95	151.96	0.01	wispy laminations of silt and pyrite	BDG	45
A-10-70	157.13	157.14	0.01	dark gray lamination of silt along with finely disseminated pyrite along bedding planes	BDG	55
A-10-70	159.91	159.92	0.01	fine grained grey silty laminations and finely disseminated pyrite	BDG	60
A-10-70	160.24	160.25	0.01	cleavage	CLV	65
A-10-70	162.45	162.46	0.01	cleavage	CLV	60
A-10-70	164.47	164.48	0.01	mm scale laminations of grey siltstone and finely disseminated pyrite	BDG	55
A-10-70	166.42	166.43	0.01	cleavage	CLV	60
A-10-70	166.96	166.97	0.01	Fine black-grey laminations of mudstone and siltstone	BDG	50
A-10-70	171.73	171.74	0.01	grey silstone interlaminated with black mudstone and finely disseminated pyrite	BDG	40

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-70	177.43	178.88	1.45	Fault with high amount of fault gouge along upper contact and grades into poker chipped and blocky core downhole.	FLT	
A-10-70	179.48	179.49	0.01	cleavage	CLV	40
A-10-70	181.6	181.61	0.01	finely laminated grey silt	BDG	40
A-10-70	182.5	184	1.5	Fault with poker chip style rock up hole and grading into moderately developed fault gouge.	FLT	
A-10-70	185.55	185.56	0.01	cleavage	CLV	40
A-10-70	186.88	186.89	0.01	fine to medium grained silt or sand beds interlaminated in fine grained siltstone.	BDG	50
A-10-70	196	196.01	0.01	cleavage	CLV	55
A-10-70	197.65	197.66	0.01	Interlaminations of black mudstone and grey silt	BDG	80
A-10-70	202.57	203.25	0.68	Fault creating blocky core uphole, and weak amounts of fault gouge downhole with slick'n slides present	FLT	
A-10-70	208.41	210.5	2.09	fault zone with blocky core uphole and greading into high concentration of fault gouge dowhole	FLT	
A-10-70	212.29	212.3	0.01	cleavage	CLV	50
A-10-70	212.82	214.2	1.38	fault affected zone creating blocky core	FLT	
A-10-70	214.85	214.86	0.01	sub mm interlaminated black shale and mudstone	BDG	35
A-10-70	221	221.01	0.01	cleavage	CLV	40
A-10-70	223.45	223.46	0.01	sub-mm laminations of black mudstone in siltstone	BDG	55
A-10-70	229.17	229.18	0.01	cleavage	CLV	60
A-10-70	232.26	232.27	0.01	finely laminated black mudstone interlaminated with grey silt	BDG	35
A-10-70	236.84	236.85	0.01	finely laminated black mudstone interlaminated with grey silt	BDG	50
A-10-70	238.7	238.71	0.01	cleavage	CLV	40
A-10-70	342.7	342.71	0.01	cleavage	CLV	35
A-10-70	243.67	243.68	0.01	finely laminated black mudstone interlaminated with grey silt	BDG	45
A-10-70	247.55	247.56	0.01	finely laminated black mudstone interlaminated with grey silt	BDG	50
A-10-70	250.68	250.69	0.01	cleavage	CLV	50

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-70	250.77	250.78	0.01	sub-mm laminated black mudstone interbedded with fine to medium grained silt/sandstone	BDG	50
A-10-70	259.67	259.68	0.01	cleavage	CLV	50
A-10-70	263.3	263.31	0.01	cleavage	CLV	45
A-10-70	266.1	266.11	0.01	coarser grained sandstone interlaminated with grey siltstone	BDG	40
A-10-70	274	294	20	Extensive fault along with fault affected core. Extreme amount of fault gouge occuring from 276.30 to 289.00 with margins being block to poker chipped fault affected core.	FLT	
A-10-70	296	296.01	0.01	cleavage	CLV	50
A-10-70	300.49	300.5	0.01	black mudstone interlaminated with fine grained siltstone	BDG	65
A-10-70	303.58	303.59	0.01	cleavage	CLV	50
A-10-70	307.66	307.67	0.01	cleavage	CLV	40
A-10-70	308.57	308.58	0.01	Finger grained sand and siltstone interbeded with the coarse grained sandstone	BDG	35
A-10-70	309.16	309.17	0.01	cleavage	CLV	55
A-10-70	310.46	310.47	0.01	sharp unconformity between coarse grained sandstone and a lower black mudstone unit.	UNC	120
A-10-70	313.43	314.74	1.31	Fault with weak to moderately developed gouge.	FLT	
A-10-70	315.72	315.73	0.01	cleavage	CLV	55
A-10-70	316.4	316.41	0.01	light grey silt and pyrite laminations	BDG	50
A-10-70	318.59	318.6	0.01	Grey sillt interlaminated with pyrite and black mudstone	BDG	65
A-10-70	319.95	319.96	0.01	Cleavage	CLV	55
A-10-70	320.22	323.1	2.88	fault with well developed gouge at upper conact and grades to blocky and poker chipped core downhole.	FLT	
A-10-70	325.44	325.45	0.01	grey siltstone interlaminated with black shale	BDG	55
A-10-70	325.7	325.71	0.01	cleavage	CLV	50
A-10-70	330.25	330.26	0.01	cleavage	CLV	70
A-10-70	331.93	332.78	0.85	Fault with well developed gouge along upper contact and grades into poker-chipped core with minor gouge downhole.	FLT	
A-10-70	335.16	335.17	0.01	cleavage	CLV	65
A-10-70	355.16	355.17	0.01	cleavage	CLV	65

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-70	337	337.01	0.01	cleavage	CLV	65
A-10-70	339.53	339.54	0.01	finely laminated siltstone	BDG	50
A-10-70	342.52	342.53	0.01	cleavage	CLV	65
A-10-70	344.03	344.04	0.01	light grey lamination of grey silt	BDG	60
A-10-70	344.51	346	1.49	fault with weakly developed gouge uphole and grades into blocky core downhole	FLT	
A-10-70	347.98	347.99	0.01	light grey lamination of silt	BDG	70
A-10-70	352	352.01	0.01	bed of light grey silt or fine grained sandstone	BDG	60
A-10-70	352.97	352.98	0.01	cleavage	CLV	60
A-10-70	355.46	355.47	0.01	Darker black laminations of mudstone forming bedding planes	BDG	65
A-10-70	357.47	357.48	0.01	cleavage	CLV	50
A-10-70	359.23	361.87	2.64	Fault with moderately developed gouge towards upper contact	FLT	
A-10-70	362.63	362.64	0.01	Light grey silty laminations	BDG	90
A-10-70	364.76	367	2.24	Interformational zone forming a breccia of darker grey fine grained sandstone/silt and a lighty grey silty matrix.		
A-10-70	367.42	367.43	0.01	Light grey coarse silt laminations	BDG	90
A-10-70	365.66	365.67	0.01	cleavage	CLV	40
A-10-70	366.79	372.17	5.38	fault with weakly developed gouge uphole and grades into blocky core downhole	FLT	
A-10-70	373.45	373.46	0.01	cleavage	CLV	65
A-10-70	375.19	375.2	0.01	Interlaminations of darker grey silt	BDG	120
A-10-70	379.35	379.36	0.01	Interlaminations of darker grey silt	BDG	110
A-10-70	382.22	382.23	0.01	fine grained light laminations of silt and calcite	BDG	110
A-10-70	383.93	383.94	0.01	cleavage	CLV	35
A-10-70	384.67	384.68	0.01	unconformity between siltstone and a darker/finer grained silt	UNC	45
A-10-70	389.8	392	2.2	Fault with minor fault gouge along upper contact grading into blocky core downhole.	FLT	
A-10-70	394.64	394.65	0.01	cleavage	CLV	55
A-10-70	396.7	396.71	0.01	interlaminated light grey coarse silt	BDG	110
A-10-70	396.86	399.19	2.33	fault with moderately developed gouge througout then grades to blocky core towards the lower contact	FLT	

									7AX	7AX	7AX	7AX	7AX	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	WGHT	7AR.1
									Mo	Cu	Pb	Zn	Ag	Ba	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Wgt	Pb
HOLE ID	FROM	TO	LENGTH	SAMPLE #	% SULPHIDES	% SHALE	STANDARDS	CERTIFICATE #	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	NONE	KG	%
A-10-70	327.33	328.33	1	851770	2	98		VAN10003986	22	51.5	22.1	32	0.6	7521	61.2	10.7	44	1.43	21	3.8	5.7	67	0.5	14.1	<0.5	64	0.73	0.072	26.7	6.4	0.1	970	0.003	0.55	<0.01	0.4	<0.5	0.07	2.5	1.1	1.4	<5	14	2.62938	3.73	
A-10-70				851771			Blank BL108	VAN10003986	0.9	14.9	3.4	26	<0.5	1032	1.3	3	540	1.58	<5	1.6	5	11	<0.5	<0.5	<0.5	14	0.13	0.017	8.2	14.4	0.22	159	0.088	0.62	0.09	0.34	<0.5	<0.05	3.9	<0.5	<0.05	<5	<2	I.S.	0.02	
A-10-70	328.33	328.9	0.57	851772	1	30		VAN10003986	9.4	3329.8	8.7	17	1.6	3735	27.3	5.8	525	2.27	7	2	2.1	609	<0.5	5.7	<0.5	40	11.1	0.015	18.6	4.9	0.82	681	0.002	0.23	<0.01	0.19	<0.5	<0.05	5	<0.5	1.11	<5	6	2.67401	2.22	
A-10-70	328.9	329.9	1	851773	1	95		VAN10003986	25.6	68.4	40.1	8	1.3	7796	84.4	9.7	61	1.67	29	4.2	5.2	80	<0.5	21.9	<0.5	75	1.25	0.065	22.6	8.4	0.08	1044	0.004	0.49	<0.01	0.33	<0.5	0.16	1.7	1	1.84	<5	21	2.54841	3.97	
A-10-70	347.87	349	1.13	851774	3	97		VAN10003986	12.5	41.3	77.2	35	0.6	10624	71.9	8.5	122	1.74	18	2.4	5.1	63	<0.5	11.7	<0.5	43	1.02	0.019	24.6	5.5	0.29	1306	0.003	0.48	<0.01	0.33	<0.5	0.1	3	1.1	1.92	<5	10	2.66533	4.63	
A-10-70	349	350.2	1.2	851775	1	99		VAN10003986	16.4	41.4	87.7	565	<0.5	9539	73.3	8.3	131	1.94	16	2.4	3.7	37	5	11.6	<0.5	54	0.65	0.019	18.1	6.3	0.34	1149	0.003	0.44	<0.01	0.27	<0.5	0.13	2.6	1.3	2.17	<5	9	2.64927	4.14	
A-10-70	350.2	351	0.8	851776	15	60		VAN10003986	16.6	72.2	2213.1	12302	1.8	20442	61.6	4.7	745	6.46	21	2.5	1.9	260	55.9	32.3	<0.5	155	4.26	0.015	8	15.4	0.48	164	0.029	0.29	<0.01	0.08	<0.5	1.37	3.5	24.4	8.88	<5	14	2.80772	3.57	
A-10-70	351	351.72	0.72	851777	1	90		VAN10003986	12.5	38.2	110.2	726	<0.5	5931	59.6	8.8	166	1.41	12	2.6	2.3	89	4.5	6.8	<0.5	27	1.47	0.01	10.2	9.2	0.25	1417	0.001	0.29	<0.01	0.11	<0.5	0.18	2	0.8	1.47	<5	7	2.59778	2.84	
A-10-70	351.72	352.89	1.17	851778	1	90		VAN10003986	23.2	55.7	95.6	534	0.5	4933	98	13.5	148	2.72	19	5.6	2.6	76	2.5	10.2	<0.5	31	1.7	0.009	10.8	6.8	0.16	637	0.002	0.26	<0.01	0.17	<0.5	0.23	2	1.8	3.06	<5	10	2.62116	4.15	
A-10-70	352.89	354.05	1.16	851779	Tr	99		VAN10003986	4.3	4.2	5.4	327	<0.5	1321	10.5	1.1	254	0.31	<5	2.2	0.7	1620	3.1	1.2	<0.5	15	34.7	0.005	11.2	1.9	0.22	354	<0.001	0.07	<0.01	0.03	<0.5	0.08	0.7	<0.5	0.16	<5	<2	2.61886	4.65	

HOLE ID	DISTANCE	AZIMUTH (mag)	AZIMUTH (true)	DIP	MAGN	SURVEY TYPE	ACCEPTED	COMMENTS
A-10-70	**0**		**50**	**-74**				Collar
A-10-70	13	28	48.78	-74	5863	Reflex EZ Shot	yes	
A-10-70	43	27.1	47.88	-73.1	5842	Reflex EZ Shot	yes	
A-10-70	73	25.7	46.48	-72	5835	Reflex EZ Shot	yes	
A-10-70	103	27	47.78	-72.3	5835	Reflex EZ Shot	yes	
A-10-70	133	27.1	47.88	-71.6	5837	Reflex EZ Shot	yes	
A-10-70	163	27.9	48.68	-71.1	5836	Reflex EZ Shot	yes	
A-10-70	193	28.8	49.58	-70.8	5834	Reflex EZ Shot	yes	
A-10-70	223	29.1	49.88	-70.4	5837	Reflex EZ Shot	yes	
A-10-70	253	27.1	47.88	-68.9	5835	Reflex EZ Shot	yes	
A-10-70	316	23.8	44.58	-68.8	5866	Reflex EZ Shot	yes	
A-10-70	343	24.6	45.38	-68.3	5843	Reflex EZ Shot	yes	
A-10-70	373	26.6	47.38	-68.2	5846	Reflex EZ Shot	yes	

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD %	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-70	4.5	7	2.5	1.29	51.60	0	0.00												
A-10-70	7	10	3	2.6	86.67	0.21	7.00												
A-10-70	10	13	3	2.1	70.00	0.26	8.67												
A-10-70	13	16	3	2.5	83.33	0	0.00												
A-10-70	16	19	3	2.92	97.33	0.16	5.33												
A-10-70	19	22	3	1.75	58.33	0	0.00												
A-10-70	22	25	3	1.84	61.33	0.34	11.33												
A-10-70	25	28	3	2.5	83.33	0.56	18.67												
A-10-70	28	31	3	2.75	91.67	0.32	10.67												
A-10-70	31	34	3	2.8	93.33	0.23	7.67												
A-10-70	34	37	3	2.65	88.33	0.6	20.00												
A-10-70	37	40	3	2.7	90.00	1.14	38.00												
A-10-70	40	43	3	2.8	93.33	0	0.00												
A-10-70	43	46	3	2.8	93.33	0.2	6.67												
A-10-70	46	49	3	2.7	90.00	0	0.00												
A-10-70	49	52	3	3.01	100.33	1.85	61.67												
A-10-70	52	55	3	2.72	90.67	1.17	39.00	1				1							
A-10-70	55	58	3	3.18	106.00	2.21	73.67												
A-10-70	58	61	3	2.9	96.67	1.81	60.33												
A-10-70	61	64	3	2.98	99.33	1.34	44.67												
A-10-70	64	67	3	2.7	90.00	1.19	39.67												
A-10-70	67	70	3	2.81	93.67	1.94	64.67	2		1	1								
A-10-70	70	73	3	2.5	83.33	1.68	56.00												
A-10-70	73	76	3	3.03	101.00	1.17	39.00												
A-10-70	76	79	3	2.92	97.33	2.39	79.67	5		4	1								
A-10-70	79	82	3	3.01	100.33	1.32	44.00												
A-10-70	82	85	3	2.82	94.00	1.11	37.00												
A-10-70	85	88	3	2.9	96.67	1.57	52.33												
A-10-70	88	91	3	2.81	93.67	1.63	54.33												
A-10-70	91	94	3	2.44	81.33	1.66	55.33												
A-10-70	94	97	3	2.71	90.33	1.9	63.33												
A-10-70	97	100	3	3.04	101.33	2.16	72.00												
A-10-70	100	103	3	2.86	95.33	2.3	76.67	2					2						
A-10-70	103	106	3	2.94	98.00	2.33	77.67												
A-10-70	106	109	3	2.8	93.33	1.27	42.33												
A-10-70	109	112	3	2.85	95.00	1.67	55.67												
A-10-70	112	115	3	2.82	94.00	1.9	63.33												
A-10-70	115	118	3	2.81	93.67	2.07	69.00												
A-10-70	118	121	3	2.94	98.00	1.6	53.33												
A-10-70	121	124	3	2.6	86.67	0.49	16.33												
A-10-70	124	127	3	3.04	101.33	1.65	55.00												
A-10-70	127	130	3	2.69	89.67	0.66	22.00												
A-10-70	130	133	3	2.96	98.67	1.85	61.67												
A-10-70	133	136	3	3.05	101.67	1.93	64.33												
A-10-70	136	139	3	2.98	99.33	2.17	72.33	1				1							
A-10-70	139	142	3	2.77	92.33	1.65	55.00												
A-10-70	142	145	3	2.62	87.33	0.31	10.33												
A-10-70	145	148	3	3.01	100.33	1.36	45.33												
A-10-70	148	151	3	2.94	98.00	1.6	53.33												
A-10-70	151	154	3	3	100.00	1.07	35.67												
A-10-70	154	157	3	2.91	97.00	1.96	65.33												
A-10-70	157	160	3	2.96	98.67	1.1	36.67												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD %	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-70	160	163	3	2.99	99.67	0.33	11.00												
A-10-70	163	166	3	2.86	95.33	1.41	47.00												
A-10-70	166	169	3	2.95	98.33	2.6	86.67												
A-10-70	169	172	3	2.99	99.67	2.2	73.33												
A-10-70	172	175	3	2.72	90.67	1.97	65.67												
A-10-70	175	178	3	2.6	86.67	1.46	48.67												
A-10-70	178	181	3	2.63	87.67	0.88	29.33												
A-10-70	181	184	3	2.95	98.33	1.45	48.33												
A-10-70	184	187	3	2.73	91.00	2.24	74.67												
A-10-70	187	190	3	2.95	98.33	2.22	74.00												
A-10-70	190	193	3	2.88	96.00	1.42	47.33												
A-10-70	193	196	3	2.93	97.67	2.5	83.33												
A-10-70	196	199	3	3.06	102.00	2.9	96.67												
A-10-70	199	202	3	2.97	99.00	2.82	94.00												
A-10-70	202	205	3	2.9	96.67	2.06	68.67												
A-10-70	205	208	3	2.9	96.67	1.86	62.00												
A-10-70	208	211	3	2.8	93.33	0.11	3.67												
A-10-70	211	214	3	2.94	98.00	0.99	33.00												
A-10-70	214	217	3	3.03	101.00	1.81	60.33	1				1							
A-10-70	217	220	3	3.09	103.00	2.55	85.00												
A-10-70	220	223	3	2.9	96.67	2.4	80.00												
A-10-70	223	226	3	2.94	98.00	2.46	82.00												
A-10-70	226	229	3	2.93	97.67	0.89	29.67												
A-10-70	229	232	3	3.01	100.33	2.78	92.67												
A-10-70	232	235	3	3.04	101.33	2.54	84.67												
A-10-70	235	238	3	2.89	96.33	1.53	51.00												
A-10-70	238	241	3	2.9	96.67	1.21	40.33												
A-10-70	241	244	3	2.93	97.67	2.37	79.00												
A-10-70	244	247	3	2.92	97.33	1.47	49.00												
A-10-70	247	250	3	2.99	99.67	2.5	83.33												
A-10-70	250	253	3	2.93	97.67	2.19	73.00												
A-10-70	253	256	3	2.95	98.33	0.8	26.67												
A-10-70	256	259	3	2.96	98.67	0.79	26.33												
A-10-70	259	262	3	3.03	101.00	1.72	57.33												
A-10-70	262	265	3	2.64	88.00	1.82	60.67												
A-10-70	265	268	3	3.03	101.00	2.18	72.67												
A-10-70	268	271	3	2.62	87.33	2.33	77.67												
A-10-70	271	274	3	2.94	98.00	0.96	32.00												
A-10-70	274	277	3	2.8	93.33	0	0.00												
A-10-70	277	280	3	2.6	86.67	0	0.00												
A-10-70	280	283	3	2.37	79.00	0	0.00												
A-10-70	283	286	3	2.1	70.00	0	0.00												
A-10-70	286	289	3	1.4	46.67	0	0.00												
A-10-70	289	292	3	3.1	103.33	0.42	14.00												
A-10-70	292	295	3	2.5	83.33	0.99	33.00												
A-10-70	295	298	3	2.5	83.33	0.37	12.33												
A-10-70	298	301	3	2.4	80.00	0	0.00												
A-10-70	301	304	3	2.2	73.33	0.62	20.67												
A-10-70	304	307	3	2.3	76.67	1.36	45.33												
A-10-70	307	310	3	2.86	95.33	2.61	87.00												
A-10-70	310	313	3	2.78	92.67	1.22	40.67												
A-10-70	313	316	3	2.02	67.33	0.75	25.00												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD %	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-70	316	319	3	3.09	103.00	2.22	74.00	1			1								
A-10-70	319	322	3	2.82	94.00	0.97	32.33												
A-10-70	322	325	3	2.79	93.00	1.62	54.00												
A-10-70	325	328	3	3	100.00	2.15	71.67												
A-10-70	328	331	3	3	100.00	1.63	54.33												
A-10-70	331	334	3	2.83	94.33	0.99	33.00												
A-10-70	334	337	3	2.97	99.00	1.5	50.00	2		2									
A-10-70	337	340	3	2.93	97.67	1.7	56.67	4	3		1								
A-10-70	340	343	3	3.07	102.33	2.42	80.67	6		4	1	1							
A-10-70	343	346	3	2.79	93.00	1.42	47.33	2	2										
A-10-70	346	349	3	2.79	93.00	2.25	75.00	4		3	1								
A-10-70	349	352	3	2.9	96.67	1.68	56.00												
A-10-70	352	355	3	2.99	99.67	2.37	79.00												
A-10-70	355	358	3	3.03	101.00	2.49	83.00												
A-10-70	358	361	3	2.56	85.33	0.78	26.00												
A-10-70	361	364	3	2.83	94.33	1	33.33												
A-10-70	364	367	3	2.98	99.33	1.46	48.67												
A-10-70	367	370	3	2.86	95.33	1.63	54.33												
A-10-70	370	373	3	2.61	87.00	0.31	10.33												
A-10-70	373	376	3	2.95	98.33	2.68	89.33												
A-10-70	376	379	3	2.94	98.00	2.68	89.33												
A-10-70	379	382	3	2.9	96.67	2.16	72.00												
A-10-70	382	385	3	3	100.00	2.53	84.33												
A-10-70	385	388	3	2.92	97.33	2.03	67.67												
A-10-70	388	391	3	2.82	94.00	2	66.67												
A-10-70	391	394	3	2.95	98.33	1.42	47.33												
A-10-70	394	397	3	2.86	95.33	2.01	67.00												
A-10-70	397	400	3	2.41	80.33	0.79	26.33												

COAST MOUTAIN GEOLOGICAL LTD.
DRILL HOLE COVER SHEET

PROPERTY: Akie Property
DRILL HOLE #: A-10-71
LOGGED BY: Cam Norton
COVER SHEET DATE: 13 August 2010

DDH COLLAR LOCATION

PROPOSED
DATUM: NAD 83 Zone 10

LOCAL GRID
NORTH:
EAST:
ELEVATION:

UTM CO-ORDS
NORTHING: 6361283
EASTING: 387637
ELEVATION: 1542

SURVEYED

LOCAL GRID
NORTH:
EAST:
ELEVATION:

UTM CO-ORDS
NORTHING:
EASTING:
ELEVATION:

DDH COLLAR ORIENTATION

PROPOSED
AZIMUTH: 50
DIP: -76

SURVEYED
AZIMUTH:
DIP:

DDH LENGTH

PROPOSED
LENGTH: 500

ACTUAL
LENGTH: 443

DOWN HOLE SURVEY

SURVEY TYPE: Reflex EZ-Shot

DISTANCE	AZIMUTH	DIP	ACPTED	COMMENTS
0	50	-76	Yes	
13	49.58	-76.2	Yes	
32	47.78	-76.1	Yes	
62	42.78	-74.9	Yes	
92	37.38	-72.7	Yes	
122	30.58	-68.8	Yes	
137	31.08	-68.5	Yes	
167	31.48	-68.1	Yes	
197	31.78	-67.4	Yes	
263	30.28	-66.8	Yes	
293	31.68	-66.1	Yes	
326	31.17	-63.6	Yes	
353	30.18	-61.8	Yes	
383	30.48	-61.1	Yes	

DRILLING INFORMATION

CONTRACTOR: Rodren Drilling

CORE DIAMETER: HQ
DATE STARTED: 27 July 2010
DATE COMPLETED: 5 Aug 2010
CAPPED: YES
CASING: YES
UNITS: METRIC: X IMPERIAL:

HOLE OBJECTIVE: To test the NW Strike extension of the Cardiac Creek deposit at target elevation between 1000 to 1200m.

HOLE SUMMARY: Note: The magnetic declination is 20.78 degrees to the East.

The hole drilled Gunsteel shales down to a depth of approximately 340m intercepting a laminated Py and massive py zone from 325 to 340m before shifting into the underlying Road River Group rocks. The hole terminated at a depth of 443m.

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-71	0	5	5	OB/CASING	OB/Casing	CS		CS
A-10-71	5	152.4	147.4	Black Gunsteel shale	Highly fault affected and faulted black Gunsteel shale. Upper 38m of core are extremely poker chipped with localized zones of fault gouge. limonite weathering present in the top 5meters due to ground-water penetration. High distribution of calc-silicate filled dilation fractures and shear veins at 30TCA with interlaminated calc-silicates and black shale further indicates extensive faulting. General cleavage and bedding angles are both 40 TCA. Get occasional interlaminations of grey siltstone, with density increasing downhole. The dominant vein orientation is low angle at about 15-30 TCA and are comprised of calc-silicates with no sphalerite mineralization present. Overall core is weakly siliceous and weakly silicified, however, downhole at approximately 41m the core becomes more "buff" black in colour, indicative of moderately siliceous core. Unit exhibits homogenously distributed, trace amounts of syngenitic pyrite along with secondary py replacing calcite. From 51.05 to 51.66 have a zone of highly concentrated, mm scale concretions(?) (up to 5%).	4SH		GSF
A-10-71				continued	These concretions appear to define a bedding plane, are homogenous, calcareous, and contain finely disseminated pyrite. These zones continue throughout the zone with greater than 100 mm scale concretions per 30 cm segment. Upper contact is not-exposed due to casing and start of the hole.			
A-10-71	152.4	179.95	27.55	Black shale with matrix supported silt and sandstone clasts with occasional interbedds of nodular nbarite	Black shale with rounded to sub angular clasts of light grey silt/sandstone which exhibit bedding a range from mm to 10+ cm in size. Numerous fragments contain late fractures filled with calc-silicates and secondary py replacing calcite. Moreover, numerous clasts exhibit up to 95% replacement of calcite by pyrite.clast concentration goes through periods of gradually increasing in concentration then rapidly changing into black shale indicating numerous periods of higher energy deposition followed by quiescence. Bedding angles are initially subhorizonal, then grade to t 25 TCA, until a fold is observed at 159m which temporarily reverses bedding. Cleavage remains constant at 30TCA. Core is very competent and exhibits an average RQD of greater than 90% as a result of moderately siliceous and silicified core. Similar to the previous 4SH unit, this unit also contains localized zones of highly concentrated mm scale concretions (> 100 concretions over 30 cm). Such zones occur at 153.31-153.78m and 161.89-162.16m. Every 1-2meters the unit also exhibits interbeds of nodular barite with p replacing calcite.	4FSH	4BSH	GSF
A-10-71				continued	These beds on average are 10cm wide and have bedding angle of 40-60 TCA. From about 175.2 178m the core exhibits pervasive healed, fault affected zone with a high density of micro scale dilation fractures filled with calc-silicates. Upper contact is gradational.			
A-10-71	179.95	235.55	55.6	Black Gunsteel shale	Pervasive black Gunsteel shale which is weakly to moderately siliceous and weakly silicified. Unit contains homogenously distributed finely disseminated pyrite (~1%). Along the upper 12meters the unit is very competent with an average bedding and cleavage angle of 30 and 35TCA respectively. Howeve downhole the core becomes increasingly fault affected and less competent as a result of a large thrust fault panel from ~211 to 230m which contains high amounts of fault gouge, and intensely poker chipped core. . Occasional shear veins are present (~ 1 per 2-3 meters) and contain up to 10 % secondary pyrit however, no sphalerite has been observed. Upper contact is gradational.	4SH		GSF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-71	235.55	241.46	5.91	Black gunsteel shale with secondary units of siltstone rich lamintions	Black gunsteel shale, with trace to 1% finely disseminated and homogenously distributed pyrite. A secondary unit of fine grained siltstone rich core is present from 236 to 236.90 and contains interlaminations of finely disseminated pyrite at 35-110 TCA. Black mudstone unit is moderately competent and weakly to moderately siliceous and moderately silicified. In addition, due to extensive near by faulting, the black mudstone exhibits moderate amounts of dilation fractures filled with calc-silicates. Localized zones of blocky/rubble core are present at 138-138.60 and 238.60-239m due to near close approximately to large fault zones. Bedding is difficult to distinguish with the mudstone due to it's pervasively fine grained nature, however cleavage is regular at 50 TCA. Upper contact is gradational	4SH	4SS	GSF
A-10-71	241.46	248.77	7.31	Nodular barite bearing black shale with interlaminations of pyrite replacement.	Beds of nodular barite with interbedded black mudstone. Barite beds are up to 50 cm wide and nodules contain up to 50% replacement of calcite with pyrite. Bedding and cleavage angles are constant at 155 and 25 TCA respectively. Unit is highly competent along the upper 4 meters, then decreases downhole due to an extensive thrust fault in the lower unit. Concretions are only present between 243.89-245m and vary in size from <1mm to >10cm. The largest concretion (18cm in diameter) is a septarian concretion which exhibits a network of inward growing shrinkage fractures filled with calc-silicates. A high concentration of shear veins, dilation fractures and calc-silicate veins are present due to nearby fa creating late fractures. Veins have an average angle of 20 TCA. Upper contact is gradational.	4BSH		GSF
A-10-71	248.77	271.4	22.63	Black Gunsteel shale	Black shale with extreme amount of pervasive thrust faulting for almost the entire unit. Unit predominantly comprised of extensively developed gouge along with poker chipped core with an averag RQD of less than 5%. Overall cleavage angles of poker chipped core is 40 TCA. Zones which are slightly more competent and comprised of blocky core exhibit extensive dilation veins filled with calc-silicates. Upper contact is gradational.	4SH		GSF
A-10-71	271.4	275	3.6	Nodular barite with interbedded black shale	Nodular barite beds with interlaminations of finely disseminated pyrite along with interbeds of black mudstone. In addition, the unit contains 1% finely disseminated and homogenously distributed pyrite. Beds of nodular barite and pyrite are up to 20cm wide with nodules on average being 1mm wide by 2-3mm long. Nodular barite is calcite bearing and contains up to 50% replacement with pyrite. Unit is weakly moderately siliceous and weakly silicified, however, it exhibits a high degree of competence with an average RQD of >80%. Bedding and cleavage angles are regular at 55 and 40 TCA respectively. Occasional calc-silicate and shear veins are present and are pyrite bearing, however, they contain no sphalerite mineralization. No concretions are present. Upper contact appears to be bound by a fault.	4BSH		GSF
A-10-71	275	297.2	22.2	Black shale with occasional interbeds of nodular barite	Black mudstone with occasional beds of nodular barite up to 10cm wide with interlaminations of fine disseminated pyrite. Along the upper 3 meter he unit contains regular late fractures parallel to cleavage filled with calc-silicates. These stringers also show evidence of shear motion due to the presence of stepped veins. Bedding angles vary between 70 and 90 TCA along with cleavage which varies from 30 to 60 TCA. Unit is moderately competent, with RQD increasing downhole and is weakly to moderately siliceous but weakly silicified. Concretions begin to appear within the first two meters, and progressively increase in concentration downhole. These concretions are generally less than 1cm wide, are homogenous, calcareous, and contain calcareous rims. A couple septarian concretions present and hav radiating fractures filled with calc-silicates.	4SH	4BSH	GSF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-71	297.2	305.09	7.89	Nodular barite with interbedded black shale	Nodular barite rich unit with zones of laminated nodular barite lasting up to 40cm and interlaminated with finely disseminated pyrite. Barite nodules exhibit up to 10% replacement of calcite with secondary pyrit Bedding and cleavage angles are constant 130 and 60TCa respectively. Unit is moderately siliceous and weakly silicified and exhibits high competence for the upper 5 meters, then becomes less compete downhole as a result of a fault from 303.66-304.30m. Extensive veining is also present along the margin of the fault, with shear and dilation veining occurring for upwards of 50cm along the contacts. No sphalerite is observed in any veins. Concretions appear to be evenly distributed with an average density of 2 per meter. Both homogenous and calcareous concretions are present, along with septarian concretions with inward radiating calc-silicate filled fractures. Upper contact is gradational.	4BSH		GSF
A-10-71	305.09	312.64	7.55	Interbeds of pyrite and nodular barite with black shale	Beds of finely disseminated and laminated pyrite with interlaminations of nodular barite with interbedded black shale. Pyrite beds are up to 50cm wide and occur approximately every 20cm. Unit is moderately siliceous and weakly silicified giving the core a moderate competence which has RQD values which vary from 50-80%. Bedding angles shallow with distance downhole and range from 115 to 95TCA. Cleavage angles are uniform at 35-45TCA.Concretions are evenly distributed with a couple per meter and range in size from <1mm to ~5cm. All are homogenous, calcareous, rounded and contain a calcareous rim. Occasional calc-silicate veins occur with angles varying from 35 to 115TCA. One stringer at ~312.54meters contains up to 10% honey brown sphalerite. Upper contact is gradational.	4PYSH		GSF
A-10-71	312.64	325.14	12.5	Black shale	Black shale with up to 1% finely disseminated and homogenously distributed pyrite. Unit is moderately siliceous, weakly silicified and exhibits moderate to high competence. Bedding angles are difficult to determine due to its pervasive mudstone composition, however cleavage angles remain constant at 50 TCA. A small fault is present from 305.05-305.36m and contains moderately developed gouge. A larger fault is present from 323.30-324m and has extensive late dilation fractures filled with calc-silicates in the wall rock. No veins or stringers appear to be sphalerite bearing. Upper contact is gradational.	4SH		GSF
A-10-71	325.14	332.59	7.45	Pervasive beds of pyrite and nodular barite with minor interbeds of black shale	Semi-Massive beds of interlaminated finely disseminated syngenetic pyrite and nodular barite. Beds are pervasive and have occasional zones with 10cm of non-mineralized black shale. These pyrite and barite laminations are generally 1cm wide and are interlaminated repeatedly to form large beds. At the upper margin of the unit (326.00-326.30m) along with occasional 5-10cm wide areas closer to the lower contact, fragmental clasts are present. Bedding angles change frequently, with angles ranging from 85 to 150TCA. A localized fold from 326.30-326.44 is present which contains a "Z" fold and following the assumption that cleavage is uniform, a synform is present. Unlike bedding, cleavage angles remain relatively uniform at 40 TCA. The core is highly competent with average RQD values of 85-90% as a result of the core being moderately to highly siliceous and moderately silicified. Albeit a minor amount of shear veining is present no sphalerite mineralization is observed. Upper contact is sharp.	4PYSH		GSF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-71	332.59	340.6	8.01	Massive pyrite beds with secondary interbedded debris flow	Zone of Massive pyrite beds with secondary debris flow units scattered throughout. Debris flo segments are higher in concentration uphole, then decreases downhole and occur from 333.61-335.13m, 335-336.20m, along with minor 10-15cm wide regions of debris flow. In the smaller 10-15cm long brecciated units, part of the matrix appears to be being replaced by pyrite. A small barite nodule ri zone is also present from 336.20-336.57m with bedding angles of 115TCA. Bedding angles vary throughout the pyrite beds with angles varying from 130 to 85TCA and show localized folding. Downhole deformation of the pyrite beds also occurs around fragments which is indicative of a tops-up orientation. Overall the unit is very competent with a RQD values around 90% as a result of the core being moderately siliceous and weakly silicified. Occasional shear veins filled with calc-silicates are present however no sphalerite mineralization is observed. In addition, no sphalerite in observed within the pyrite laminations. Upper contact is gradational.	4MPSH	5BXLS	GSF
A-10-71	340.6	349	8.4	Debris flow with interbeds of massive pyrite	Debris flow with interbeds of massively laminated finely disseminated pyrite. Debris flow is comprised sub angular to rounded clasts of light dark grey siltstone along with light grey fine grained sandstone. Massive pyrite interbeds contain up to 35-40% pyrite, are 20cm wide, and occur every 10-40cm. Beds also contain fragments from the debris flow which depress the bedding in the downhole direction which indicates a tops-up orientation. Bedding angles within the pyrite beds are relatively constant and fluctua between 95 and 75 TCA. No imbrications is observed within the debris flow, and therefore, can not distinguish any bedding. Cleavage is uniform at 70TCA. Unit is moderately competent and exhibits an average RQD of ~70%, with moderately siliceous and weakly silicified core. A fault is present from 344.28-345.21m and contains predominantly blocky core along with weakly developed gouge towards the lower contact. For 50cm's below the fault extensive late fractured and dilation fractures filled with calc-silicates are present due to faulting motion. No sphalerite is observed in these calc-silicates. Upper contact is gradational.	5BXLS	4MPSH	PRF
A-10-71	349	356	7	Debris flow with interbeds of sandy/siltstone and laminted pyrite	Debris flow with interbeds of silt and sandstone laminated black mudstone. Secondary silty laminate black mudstone also contains interlaminations of finely disseminated pyrite up to 5mm wide and occasional wispy laminations of nodular barite. Secondary unit increases in concentration downhole. Debris flow is predominantly comprised of dark grey siltstone and light grey fine grained sandstone rounded to sub angular clasts. Clasts size varies from <1cm to up to 15cm wide. Numerous clasts appear to be from the road river group, and are comprised of grey sandstone with distinct bedding. Locally secondary pyrite is replacing calcite within the matrix of the debris flow. No imbrications is noted in the debris flow, and therefore, not measurements can be obtained. However, the secondary silty mudstone unit has regular bedding of 60 to 75 TCA. Cleavage is also constant at 45TCA. Unit is highly competent with an RQD up to 95% and is highly siliceous yet weakly silicified. Upper contact is gradational.	5BXLS	5SS	PRF
A-10-71	356	370.5	14.5	Debris flow	Debris flow which contains angular to surrounded clasts of dark grey siltstone, light grey Road river group siltstone, mudstone, and a bioclastic clasts at 359.54-359.59m. Fragment size varies from <1cm to upwards of >30cm with clasts size increasing downhole. This fining upward sequence (FUS) is likely indicative of a tops-up unit. No imbrications is observed and therefore is difficult to establish bedding angles, however, cleavage angles vary between 25 and 60 TCA. Locally up to 2-3% pyrite replacement in the matrix is observed. Unit exhibits high competence with an RQD of >90% and is highly siliceous along with weakly silicified. Upper contact is gradational.	5BXLS		PRF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-71	370.5	379.56	9.06	Brecciated siltstone	Brecciated siltstone unit comprised of 5-20cm wide sub-angular to surrounded silt, sandstone ar occasional shale clasts of road river origin. Unit is reminiscent of a debris flow, however it contains mu larger clasts and has no bioclastic or fossiliferous units. Bedding is difficult to determine as no imbrications is observed. Cleavage is only weakly developed, and often difficult to distinguish, however, occurs at 20 TCA. Unit is highly competent with an average RQD of >90% as well as being moderate siliceous and weakly silicified. Occasional wisps of finely disseminated pyrite occur in trace amounts, w no other mineralization occurring within the unit. Tops is difficult to distinguish as clasts size/distribution remains relatively constant, making it difficult to observe any FUS or CUS sequence. Upper contact is gradational.	6SS		RRG
A-10-71	379.56	392	12.44	Bioclastic debris flow	Debris flow with a black shale matrix and rip up clasts comprised of predominantly road river unit. Occasional fossiliferous clasts are present which are comprised of bioclastic limestone. Clasts are sub-angular to rounded and vary in size from 5mm to >1-cm. Road river clasts are comprised of light grey bedded siltstone. Blebs of pyrite up to 1cm wide occur sporadically throughout the unit as a result of calcite replacement. No bedding is observed as the unit is pervasively comprised of debris flow. Cleavage is only weakly developed and difficult to distinguish and appears to be sub-horizontal. Occasional randomly oriented late dilation fractures are present and filled with calc-silicates along with two veins at 381.01 and 384.17m, are 5mm to 1cm wide and oriented at 40 and 150TCA respectively.	5BXLS		PRF
A-10-71	392	419.2	27.2	Siltstone	Light grey coarse grained siltstone with occasional interbeds of finer grained dark grey siltstone. Upper 5 meters of core is moderately broken and exhibits poor competence. At 398 and onward core exhibits high degree of competence with an average RQD of >85%. Core is moderately to highly siliceous, and weakly silicified. Bedding and cleavage angles are constant at 50 and 40 TCA respectively. Occasional zones of dilation fractures filled with calc-silicates, however, no veining is present in this unit, along with no pyrite or sphalerite mineralization. Upper contact is gradational.	6SS		RRG
A-10-71	419.2	443	23.8	silstone interbedded with shale	Light grey coarse siltstone interbeded with finer grained grey siltstone along with occasional units of dark grey shale. Upper margin of coarse silt beds often contain brecciated fragments. Unit is moderately siliceous, weakly silicified and exhibits moderate to high competence. Bedding angles are relatively constant throughout at 60TCA, however reverses to 160TCA at EOH. Cleavage angles are constant at 25-35TCA. A small fault predominantly comprised of blocky core is present from 436.75-437.05m and has extensive calc-silicate filled dilation fractures along its' margin. Minor amounts of calc-silicate veins are present and contain up to 5% secondary pyrite replacing calcite. No sphalerite mineralization is noted. Upper contact is gradational.	6SS	6SH	RRG
					END OF HOLE			

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	ALT	INTENSITY
A-10-71	20.82	20.96	0.14	Core becomes takes on a buff grey color and is moderately to highly siliceous with differential weathering texture	SILC	weak to moderate
A-10-71	38.25	53.35	15.1	Core becomes moderately silicified and has a buff black shean colour.	SILC	Moderate

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	PY %	SP %	GA %	BA %	CP %	PO %
A-10-71	26.66	26.67	0.01	1cm wide bed of coarsely disseminated secondary pyrite replacing calcite. Bed is at 50 TCA	30					
A-10-71	52.06	52.14	0.08	0.5cm wide calcite stringer replaced by up to 95% pyrite at 35TCA	10					
A-10-71	59.5	59.89	0.39	zone of both finely disseminated syngenetic pyrite along with coarsely disseminated secondary py giving the core a specaled golden-bronze color	5					
A-10-71	65.58	65.59	0.01	Zone with finely disseminated pyrite along with coarse grained pyrite with py concentration increasing downhole.	5					
A-10-71	70.08	70.12	0.04	two elongated lensed of finely dissemianted pyrite up to 1cm in width and 3cm long.	10					
A-10-71	70.89	70.96	0.07	0.5cm wide shear vein with interlaminated calc-silicates and black shale. The shear vein is folded with the hinge angle inidicating synstal motion. Vein also contains a trace amount of sphalerite, honey brown in color.	1	Tr				
A-10-71	71.63	71.65	0.02	Shear vein with synstral motion as indicated by the orientation of its hinge angle. Vein is 5mm wide and has interlaminted calc-silicates and black shale. Vein also contains trace amounts of honey brown sphalerite. Vein is oriented at 80 TCA	1	Tr				
A-10-71	74.86	74.89	0.03	bed of semi-massive finely disseminated pyrite at 55 TCA	20					
A-10-71	102.44	102.6	0.16	zone of concentrated secondary pyrite replacing calcite blebs	15					
A-10-71	113.2	113.39	0.19	beds of secondary pyrite replacing calcite	5					
A-10-71	115.08	115.4	0.32	zone of concentrated calcite nodules up to 2mm in diameter						
A-10-71	118.5	119	0.5	sequence of mm to 5mm wide shear veins at 25TCA and cac-silicate stringers at 45TCA which contain up to 5% honey brown sphalerite within the stringers.	1	1				
A-10-71	123.62	123.71	0.09	zone of secondary cubic pyrite replacing calcite	5					
A-10-71	123.9	124.47	0.57	Parallel sub-mm micro fractures to 1cm wide calc-silicate veins which contain up to 5% honey brown sphalerite and secondary pyrite. Veins and stringers are at an angle of 55TCA.	1	1				
A-10-71	126.64	126.8	0.16	Zone of coarsely disseminated secondary pyrite replacing calcite which appears to be parallel to bedding planes at 25TCA	5					
A-10-71	132.98	133.06	0.08	Lenses of finely dissemianted pyrite along with secondary pyrite	10					
A-10-71	135.9	136.32	0.42	zone with two parallel calc-silicate stringes which are 2m and 5mm wide and contain 1-3% honey brown sphalerite and 1% secondary pyrite which is replacing calcite. Stringers are at 35 TCA	1	2				
A-10-71	146.04	146.18	0.14	mm scale late fractures filled with calc-silicates and contain up to 3% honey brown sphalerite at 45 TCA	1	1				
A-10-71	148.74	148.85	0.11	5 parallel late calc-silicate filled fractures with trace amounts of honey brown sphalerite but barren of sulphides. Stringers at 155 TCA.		Tr				
A-10-71	157.82	158	0.18	20cm zone of nodular barite up to 1mm wide with up to 80% replacement of nodules with pyrite, with beds oriented at 30TCA	5			15		
A-10-71	158.84	158.95	0.11	Lense/ bed of nodular barite with pyrite replacement	1			3		
A-10-71	159.79	159.86	0.07	10cm wide bed of nodular barite with up to 50% pyrite replacement within the nodules.	1			10		
A-10-71	160.68	160.71	0.03	3cm wide bed of barite nodules up to 2mm wide and contain up to 80% py replacement	5			20		

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	PY %	SP %	GA %	BA %	CP %	PO %
A-10-71	165.61	165.7	0.09	10cm wide bed of nodular barite at 60TCA with up to 50% pyrite replacement within the nodules.	5			20		
A-10-71	171.3	171.72	0.42	zone of barite nodules both parallel to bedding and dispersed. Nodules are up to 3mm wide and contain up to 50% replacement with pyrite.	5			10		
A-10-71	200	200.18	0.18	Zone of concentrated finely disseminated pyrite in region of late dilation fractures filled with calc-silicates	5					
A-10-71	210.25	210.55	0.3	Zone of concentrated finely disseminated pyrite along with calcareous core. Zone also has mm scale late fractures filled with calc-silicated with calcite being partially replaced with up to 5% pyrite.	5					
A-10-71	225.6	226.04	0.44	Blocky core with interlaminted finely disseminated pyrite at 40 TCA	4					
A-10-71	237.85	237.91	0.06	5cm wide lense of finely disseminated secondary pyrite replacing calcite.	10					
A-10-71	271.4	275	3.6	Nodular barite unit with beds of nodular barite interlaminted with pyrite. Beds are up to 20cm wide and occur approximately every 50cm`s with nodules containing up to 50% replacement of calcite with pyrite.	5			5		
A-10-71	278.05	278.25	0.2	zone of pyrite blebs up to 2mm in diameter and approximately parallel to cleavage	10					
A-10-71	282.04	282.24	0.2	small sub-mm to mm wide pyrite blebs parallel to cleavage	5					
A-10-71	282.85	283.14	0.29	30cm wide zone of laminated barite nodules and finely disseminated pyrite. Nodules contain up to 40% secondary py replacing calcite.	5			5		
A-10-71	295.67	295.8	0.13	10cm wide zone of interlaminated barite nodules and finely disseminated pyrite at 110 TCA. Nodules are up to 3mm long, and 1mm wide.	5			10		
A-10-71	297.2	304.3	7.1	Zone of barite nodule rich beds up to 40cm long with interlaminated pyrite. Zones occuring every 30-50 cms and have an uniform bedding angles of 130 TCA.	4			5		
A-10-71	305.09	312.64	7.55	Zone with finely disseminated pyrite beds with interlaminated barite nodules. Beds are ~10 cm wide and occur every 20 cm.	5			3		
A-10-71	312.43	312.54	0.11	Shear vein with up to 10% sphalerite locally.	1			3		
A-10-71	324.25	324.4	0.15	15cm wide zone of laminated barite nodules and finelyu disseminated pyrite. Laminations are at 70 TCA.	10			20		
A-10-71	325.14	332.59	7.45	Zone of interlaminated 1cm wide beds of finely disseminated pyrite and nodular barite, which together form pervasive beds which occur for upwards of 1 meter.	20			20		
A-10-71	335.13	335.6	0.47	Zone of massive pyrite laminations with minor amounts of breccia fragments	15					
A-10-71	336.2	336.57	0.37	Region of interlaminated barite nodules and finely disseminated syngentic pyrite.	20			35		
A-10-71	336.58	338	1.42	Pervasive and Massive laminations of finely disseminated dull bronze pyrite	40					
A-10-71	338.21	340.59	2.38	Pervasive and Massive laminations of finely disseminated dull bronze pyrite along with minoer 10cm wide beds of debris flow with pyrite rich matrix's.	35					
A-10-71	340.6	349	8.4	Zone of debris flow with interbedded massively laminated pyrite. Pyrite beds occur every 10-40 cms and are on averge 10-15cm wide and contain up to 35% pyrite. Debris flow unit contains minor amounts finely disseminated pyrite within it's matrix.	15					

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	PY %	SP %	GA %	BA %	CP %	PO %
A-10-71	349	356	7	secondary siltstone laminated black mudstone with 0.5cm wide interlaminations of finely disseminated pyrite. These Pyrite rich beds increase inconcentration downhole, are generally 10-50cm wide and contain up to 10% pyrite locally.	5					

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-71	9.39	9.52	0.13	Low angle 0.5cm wide vuggy calc-silicate vein. Calcite has been weathered away leaving only quartz.	10	15
A-10-71	9.64	10	0.36	Late sub mm to 3mm wide calc-silicate filled dilation fractures and stringers, all randomly oriented.	5	
A-10-71	12.38	12.45	0.07	5cm wide shear vein with with interlamiations of calc-silicates and black shale.	50	45
A-10-71	15.59	15.89	0.3	30cm section of late dilation fractures filled with calc-siliates at random orientations. Fractures range from sub-mm to 1cm in width and contais 1% secondary cubic pyrite along zone margin. Zone also has been brecciated and filled with silt.	25	
A-10-71	21.45	21.62	0.17	Vuggy calc-silicate vein 1cm wide with subhedral quartz crystals	10	20
A-10-71	22.39	22.59	0.2	0.5cm wide calc-silicate vein with mm sized rip-up clasts of black shale and is otherwise barren of any sulphides or mineralization.	10	20
A-10-71	27.77	27.83	0.06	Shear vein with interlaminated calc-silicates and black shale and 1% secondary cubic pyrite	60	45
A-10-71	28.43	28.5	0.07	4mm wide semi-vuggy calc-silicate vein with 5% limonite staining	10	30
A-10-71	31.7	31.86	0.16	Cross-cutting quartz-calcite stringers and veins with vein at 40TCA crosscutting the lower angle stringers at 30 TCA. Lower angle stringers contain up to 15% pyrite	15	30
A-10-71	32.75	32.85	0.1	1cm wide semi-vuggy calc-silicate stringer barren of sulphides	10	10
A-10-71	32.85	33.05	0.2	Zone fault affected core with late dilation fractures filled with calc-silicates along with randomly oriented microfractures as a result of a nearby fault.	25	
A-10-71	41.44	41.6	0.16	15cm wide shear vein with interlaminating calc-silicates and black mudstone. Vein is barren of any mineralization	60	55
A-10-71	45.04	45.12	0.08	1cm wide shear vein with interlaminated calc-silicates and mudstone	50	30
A-10-71	52.35	52.38	0.03	2.5cm wide calc-silcate vein with minor amounts of black shale within the vein and is barren of any mineralization	80	50
A-10-71	53.09	53.12	0.03	Two parallel shears creating a network of sub mm wide stepped calc-silicate stringers. Overall orientation is at 50TCA	30	50
A-10-71	54.03	54.13	0.1	late dilation fractures mm in scale along with stepped calc-silicate veins.All with random orientations	30	
A-10-71	54.89	55.08	0.19	mm wide calc-silicate stringers barren of any mineralization along with stepped stringers	5	30
A-10-71	62.05	62.25	0.2	1cm wide calc-silicate vein which is acting as a feeder vein for surrounding sub-mm wide stringers.	25	20
A-10-71	63.8	63.81	0.01	5mm wide shear vein with interlaminated calc-silicates and black mudstone. The hinge-line orienation indicates synstral motion.	30	115
A-10-71	69.59	69.64	0.05	Calc-silicate filled dilation fractures with an overall orientation of 105TCA	10	105
A-10-71	70.89	70.96	0.07	0.5cm wide shear vein with interlaminated calc-silicates and black shale. The shear vein is folded with the hinge angle inidicating synstal motion. Vein also contains a trace amount of sphalerite, honey brown in color.	30	145
A-10-71	71.63	71.65	0.02	Shear vein with synstral motion as indicated by the orientation of its hinge angle. Vein is 5mm wide and has interlaminted calc-silicates and black shale. Vein also contains trace amounts of honey brown sphalerite.	30	80

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-71	71.82	72.06	0.24	large 20cm wide shear vein predominantly comprise of calc-silicates however, has interlmainted black shale.	75	
A-10-71	80.49	80.58	0.09	3cm wide calc-silicate vein feeding surrounding late fractures	15	
A-10-71	87.22	87.27	0.05	1cm wide calc-silicate vein with parallel microfractures filled with calc-silicates	30	50
A-10-71	87.91	88.05	0.14	mm scale late dilation fractures filled with calc-siliates	15	
A-10-71	88.67	89	0.33	zone of late dilation fractures and stepped veins mm to sub-mm in scale	5	130
A-10-71	90.46	90.57	0.11	11cm wide zone of shear veins with interlamianted calc-siliates and black shale.	40	65
A-10-71	90.61	90.69	0.08	shear vein and weakly brecciated but healed core as a result of nearby fault.	10	65
A-10-71	90.54	91.46	0.92	weakly crackled core caused by dilation fractures which have been infilled with calc-silicates as a result of a near by fault.	5	
A-10-71	93.81	93.83	0.02	Barren 5mm wide calc-silicate vein	25	60
A-10-71	94.33	94.37	0.04	2cm wide calc-silicate vein feeding sourounding sub-mm wide calc-silicate stringes. Barren of any mineralization	30	145
A-10-71	94.52	94.82	0.3	3cm wide calc-silicate vein along with parallel late microfractures filled with calc-silicates	25	50
A-10-71	95.28	95.51	0.23	4 cm wide calc-silicate vein with parallel stringers up to 3mm wide	30	40
A-10-71	103.22	103.68	0.46	2mm wide late fractures filled with calc-silicates and contain up to 10% secondary pyrite		
A-10-71	104.96	105.23	0.27	3mm wide sub-horizontal calc-silicate stringer with trace pyrite	5	165
A-10-71	118.5	119	0.5	sequence of mm to 5mm wide shear veins at 25TCA and cac-silicate stringers at 45TCA which contain up to 5% honey brown sphalerite within the stringers.	5	45
A-10-71	123.9	124.47	0.57	Parallel sub-mm micro fractures to 1cm wide calc-silicate veins which contain up to 5% honey brown sphalerite and secondary pyrite. Veins and stringers are at an angle of 55TCA.	5	55
A-10-71	131.45	131.48	0.03	Shear vein with interlaminating calc-silicates and black mudstone. Vein is barren of sulphides or mineralization.	80	60
A-10-71	134.42	134.58	0.16	4cm wide barren calc-silicate vein feeding smaller dilation fractures and stepped veins filled with calc-silicates at random orienations	40	120
A-10-71	135.9	136.32	0.42	zone with two parallel calc-silicate stringes which are 2m and 5mm wide and contain 1-3% honey brown sphalerite and 1% secondary pyrite which is replacing calcite. Stringers are at 35 TCA	5	35
A-10-71	137.59	137.6	0.01	5mm wide calc-silicate stringer which is barren of any sulphides or mineralization	20	40
A-10-71	139.58	139.84	0.26	parallel mm scale stringes with interlaminations of black mudstone and contain upwards of 10% secondary py replacing calcite.	15	25
A-10-71	140.66	140.88	0.22	zone of late dilation fractures and stepped veins mm to sub-mm in scale		
A-10-71	145	145.1	0.1	Late dilation fractures filled with calc-silicates, mm in scale along with a halo of finely and coarsely dissemianted pyrite along the margins.	10	
A-10-71	145.88	146	0.12	mm scale late dilation fractures filled with calc-siliates		
A-10-71	146.04	146.18	0.14	mm scale late fractures filled with calc-silicates and contain up to 3% honey brown sphalerite at 45 TCA	5	45
A-10-71	146.6	146.72	0.12	late fractures filled with calc-silicates and contain up to 5% secondary pyrite	10	30
A-10-71	148.74	148.85	0.11	5 parallel late calc-silicate filled fractures with trace amounts of honey brown sphalerite but barren of sulphides. Stringers at 155 TCA.	10	155

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-71	156.76	157.1	0.34	Zone of late micro-fractures filled with calc-silicates, all of which are barren of any sulphides or mineralization	5	15
A-10-71	161.37	161.79	0.42	Zone of late micro-fractures filled with calc-silicates, all of which are barren of any sulphides or mineralization	8	
A-10-71	168.51	168.66	0.15	Zone of late dilation fractured core filled with calc-silicates	10	
A-10-71	172.55	173	0.45	Zone with two angles of calc-siliacate stringers. The highest angle stringers have an angle of 40 TCA and contain trace to no sulphides. One low angle 1cm wide stringer crosscuts subhorizonatally and is barren of any mineralization.	10	40
A-10-71	175.25	176.13	0.88	Pervasive, moderate fault affected core with sub mm to mm dilation fractures filled with calc-silicates	5	
A-10-71	176.14	176.24	0.1	10cm wide calc-silicate vein with a brecciated appearance due to being fault affected.	90	85
A-10-71	176.25	176.64	0.39	Pervasive, moderate fault affected core with sub mm to mm dilation fractures filled with calc-silicates	5	
A-10-71	176.97	177.91	0.94	Pervasive, moderate fault affected and crackled core with sub mm to mm dilation fractures filled with calc-silicates	5	
A-10-71	178.18	179.95	1.77	region of high calc-silcate stringers and veins as a result of dilation fractures from a near by fault. General orientatin of veins are 145 TCA, however late mm scale dilation fractures are randomly oriented. Trace to no sulphides in zone and barren of mineralization.	50	145
A-10-71	185.3	185.4	0.1	1cm wide calc-silicate vein with sub-mm stringers running parallel. Vein is barren of any mineralization	60	20
A-10-71	185.62	185.68	0.06	1.5 shear vein with interlaminated calc-silicates and black mudstone.	50	125
A-10-71	188.29	188.39	0.1	0.5cm wide shear vein with stepped calc-silicate veins between the two shears. Vein contains 2-3% secondary pyrite.	30	25
A-10-71	188.8	188.9	0.1	1cm wide barren calc-silicate vein	85	25
A-10-71	190.35	190.47	0.12	late sub mm to 5 mm wide dilation veins filled with calc-silicates at random orienations and contain up to 5% secondary pyrite	10	
A-10-71	191.97	192.1	0.13	1cm shear vein with interlmainted calc-silicates and black mudstone and up to 20% replacement of secondary pyrite	10	25
A-10-71	192.17	192.29	0.12	1cm wide calc-silicate vein with stepped stringers coming off the upper end of the vein. Vein is barren.	10	30
A-10-71	192.43	192.58	0.15	two parallel calc-silicate veins, 1cm and 0.5cm wide with angles of 35 and 45 TCA respectively. Veins contain up to 20% replacement of secondary pyrite.	10	35
A-10-71	193	193.2	0.2	cm wide 1Calc-silicate vein along with near parallel mm to sub mm wide stringers	15	40
A-10-71	194.62	194.85	0.23	5mm wide shear vein comprised of interlaminted calc-silcates and black mudstone. The vein is has parasitic folding, with verging hinglines indicative of dextral motion.	50	20
A-10-71	197.55	197.59	0.04	1cm wide calc-silicate vein with up to 30% replacement of calcite being replaced by pyrite	30	50
A-10-71	200.19	200.39	0.2	zone of late dilation fractures sub mm to 5mm in scale with an overall orienation of 140TCA and contain up to 5% secondary pyrite	5	140

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-71	200.6	200.67	0.07	0.5cm wide calc-silicate vein with up to 10% replacement of calcite by pyrite. Vein contains no other mineralization	10	25
A-10-71	201	201.33	0.33	zone of moderately concentrated calc-silicate filled dilation fractures up to 5mm wide and randomly oriented. Late fractures contain up to 5% secondary pyrite.	15	
A-10-71	202.37	203.23	0.86	Zone of crackled core as as a result of diliatoin fractures sub mm in size and all randomly oriented.	10	
A-10-71	204.88	204.91	0.03	1 cm wide calc-silicate vein with up to 20% secondary pyrite replacement.	30	60
A-10-71	210.68	210.82	0.14	5mm wide calc-silicate stringer with up to 20% replacement of calcite by pyrite	5	160
A-10-71	216.05	216.95	0.9	Zone of highly poker chipped and brittle fractured core containig 6 calc-silicate veins, all approximately 80 TCA. Calc-silicate filled dilation fractures are alos present in moderate density.		
A-10-71	217.95	218.67	0.72	Highly crackled core as a result of late cac-silicate filled dilation fractures due high fault density zone. 5cm wide shear veins also present at an agle of 65 TCA. No sulphides or mineralization is present within the calc-silicates.	50	65
A-10-71	233.44	233.67	0.23	Core nicked the edge of a 20cm wide concretion. Along the margin is a 1cm wide calc-silicate vein barren of any sulphides or mineralization. Allong the upper margin is also a shear vein with interlaminted calc-silicates and black mudstone at 30 TCA	40	30
A-10-71	234.65	234.7	0.05	5cm wide calc-silicate vein with angular rip up clasts of black mudstone. Vein is barren of any sulphides or mineralization.	80	60
A-10-71	236.7	236.9	0.2	Late randomly oriented dilation fractures 1mm wide and filled with calc-silicates and barren of any sulphides or mineralization.	5	
A-10-71	237.7	237.84	0.14	Minor to moderate concentraton of mm scale late dilation fractures along with parallel shears created stepped calc-silicate veins.	5	
A-10-71	238.62	239.53	0.91	Zone with minor to moderate amounts of late dilation fractures filled with calc-silicates and up to 2mm wide. All randomly oriented.	3	
A-10-71	240.34	241.1	0.76	late dilation fractures filled with calc-silicates all randomly oriented and up to 2mm wide.	5	
A-10-71	242.02	242.5	0.48	zone of moderately concentrated calc-silicate filled dilation fractures up to 5mm wide and randomly oriented. Late fractures contain up to 5% secondary pyrite.	10	
A-10-71	245.09	245.53	0.44	40cm wide shear vein predominantly comprised of calc-silicates, however is interlaminted with black mudstone. Vein is barren of any sulphides or mineralization.	70	140
A-10-71	246.1	246.6	0.5	zone of parallel calc-silicate veins between 2mm and 10cm wide.	60	15
A-10-71	246.82	247.95	1.13	Seven parallel calc-silicate veins up to 5cm wide. All barren of any sulphides or mineralization.	30	20
A-10-71	247.95	248.33	0.38	Zone of extensive calc-silicate veins along with interlaminted calc-silicate and black shale shear veins. Unit is located along the upper contact of the pervasive thrust fault.	60	50
A-10-71	271.25	271.38	0.13	10cm wide shear vein with interlaminating calc-silicates and black mudstone.	40	150
A-10-71	271.82	271.85	0.03	1cm wide folded shear vein with the vergence of the hinge-line indicating synstral motion	30	75
A-10-71	273.71	273.73	0.02	5mm wide shear vein with interlaminated calc-silicates and black mudstone along with 20% pyrite replacing calcite.	30	60

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-71	273.96	274.02	0.06	5cm wide shear vein with with interlamiations of calc-silicates and black shale.	80	75
A-10-71	275.28	275.37	0.09	two parallel shear veins, less than 1cm wide, and contain interlaminated calc-silicates and black mudstone.	10	30
A-10-71	279.65	280.05	0.4	Zone with late fractures, sub mm to 1cm in size filled with calc-silicates. Micro-fractures are randomly oriented, however stringers have an angle of 45 TCA	8	45
A-10-71	280.4	280.47	0.07	5cm wide shear vein, interlaminated with calc-silicates and black mudstone. No sulphides or other mineralization is present.	50	85
A-10-71	302.67	303.66	0.99	1 meter wide zone of dense shear veining and late diliation fractures giving the core a white and black brecciated appearance. Veins contain up to 5% secondary pyrite, however are barren of any sphalerite. Veining also occurs along the upper margin of a fault.	80	90
A-10-71	304.31	305.03	0.72	Zone of moderate to highly concentrated calc-silicate filled dilation veins along with calc-silicate veins at 45 TCA. Veins are along the lower contact of the fault and contain no sphalerite.	40	50
A-10-71	308.1	308.21	0.11	1cm wide calc-silicate vein with mm wide late calc-silicate filled fractures being crosscut by large vein.	50	160
A-10-71	312.21	312.29	0.08	1cm wide calc-silicate vein barren of any sulphides or sphalerite.	60	35
A-10-71	312.43	312.54	0.11	8cm wide shear vein with interlaminated calc-silicates and black mudstone. Vein contains up to 10% honey brown sphalerite.	30	115
A-10-71	314.05	314.37	0.32	late micro-fractures with calc-silicates which appear to be perpendicular to cleavage and barren of any mineralization.	5	135
A-10-71	321.3	322.69	1.39	Crackled, diliation fracture rich core filled with calc-silicates as a result of a nearby fault. Minor concentration of shear veins present with an orientation of 55 TCA	5	55
A-10-71	325.75	325.84	0.09	2 cm wide shear vein with interlaminated calc-silicates and black mudstone. No sulphide or sphalerite mineralization is present.	25	120
A-10-71	339.85	339.87	0.02	1.5cmn wide calc-silicate vein barren of any sulphides or sphalerite.	80	90
A-10-71	345.28	345.53	0.25	High concentration of crackled and late dilation fractures filled with calc-silicates as as a result of proximal faulting. None of the filled fractures contain any mineralization.	50	
A-10-71	381.01	381.03	0.02	5mm wide calc-silicate stringer, barren of any sulphides or mineralization.	10	40
A-10-71	384.17	384.26	0.09	5mm to 1cm wide barren calc-silicate stringer	15	150
A-10-71	389.92	391.14	1.22	late dilation calc-silicate filled core with fractures generally occuing at 60 TCA	5	60
A-10-71	393.34	394.8	1.46	Weakly broken core with late dilation fractures filled with calc-silicates at 115TCA	5	115
A-10-71	432.5	432.6	0.1	1.5cm wide calc-silicate vein with small dilation fractures fingering perpendicular off the vein and into the wall rock. Vein is barren of sulphides or any mineralization.	25	140
A-10-71	436.3	436.6	0.3	Zone of dilation fractures up to 1.5cm wide and filled with calc-silicates. Locally fractures contain up to 5% pyrite replacing calcite.	20	155
A-10-71	437.05	437.6	0.55	Zone of highly concentrated and randomly oriened mm scale dilation fractures filled with calc-silciates. High density of fractures gives the core a brecciated appearance.	40	40
A-10-71	438.02	438.42	0.4	Moderate density of late dilation fractures filled with calc-silicates along with parallel shears created ladder veins, sub-mm in scale.	10	30

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-71	5	8.45	3.45	Extensively poker chipped and broken fault affected and weathered core	FLT	
A-10-71	8.64	8.65	0.01	Cleavage in zone of blocky, less fault affected core	CLV	40
A-10-71	10.15	10.16	0.01	black shale interlaminated light grey silt parallel to bedding	BDG	35
A-10-71	13.55	13.56	0.01	Cleavage	CLV	40
A-10-71	13.6	15.09	1.49	Highly pokerchipped and brittle fractured core with minor amounts of fault gouge	FLT	
A-10-71	16.24	16.25	0.01	Beds of mm long elongated boudains parallel to bedding as a result of shearing forces	BDG	35
A-10-71	16.45	17	0.55	Highly broken up core with minor amounts of fault gouge	FLT	
A-10-71	17.1	17.11	0.01	Cleavage	CLV	40
A-10-71	18.3	19.45	1.15	Intense brittley fractured core however, is absent of fault gouge	FLT	
A-10-71	19.96	19.97	0.01	cleavage	CLV	40
A-10-71	21.84	22.09	0.25	fault with moderate amounts of fault gouge and slick'n slides	FLT	
A-10-71	22.23	22.24	0.01	Cleavage	CLV	40
A-10-71	23	23.01	0.01	cleavage	CLV	35
A-10-71	24.09	24.1	0.01	Black shale with interlaminations of light grey silt nand finely disseminated pyrite	BDG	24.09
A-10-71	24.7	25.88	1.18	Fault with highly fractured and crumbled core uphole. Grades into moderate amount of fault gouge along lower contact	FLT	
A-10-71	26	26.01	0.01	cleavage	CLV	32
A-10-71	27	27.01	0.01	Cleavage	CLV	27
A-10-71	28.03	28.04	0.01	Cleavage	CLV	35
A-10-71	29.75	29.76	0.01	Cleavage	CLV	40
A-10-71	30.06	31.7	1.64	Highly crumbled and brittle fracture core	FLT	
A-10-71	32	32.75	0.75	Brittle fractured core with healed fault gouge along upper contact	FLT	
A-10-71	33.08	34.14	1.06	Fault with blocky and brittle fractured core along uphole margin. Grades to moderate fault gouge in centre region then to poker chipped core along lower margin.	FLT	

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-71	35	35.01	0.01	cleagage	CLV	35
A-10-71	35.13	38.23	3.1	Fault with poker chipped and brittle fractured core throughout section. Minor amounts of fault gouge locally along with slick'n slides. Some of the poker chipped core has beds up pyrite up to 1cm wide and contain up to 15% secondary pyrite replacing calcite	FLT	
A-10-71	39.17	39.18	0.01	fine grained light grey silt interlaminated with black mudstione	BDG	35
A-10-71	40.7	40.71	0.01	cleavage	CLV	35
A-10-71	41.09	41.1	0.01	Barite clasts parallel to bedding with up to 90% replacement by pyrite	BDG	35
A-10-71	44.72	44.73	0.01	cleavage	CLV	35
A-10-71	44.8	44.81	0.01	Bed of fine grained light grey silt and finely disseminated pyrite	BDG	35
A-10-71	45.2	45.3	0.1	interlaminations of grey silt and black mudstone along with finely disseminated pyrite	BDG	30
A-10-71	46.95	46.96	0.01	Laminations of finely dissemianted pyrite parallel to bedding. Low angle.	BDG	10
A-10-71	47.73	47.74	0.01	Laminations of finely dissemianted pyrite parallel to bedding.	BDG	25
A-10-71	48.21	49.43	1.22	Fault with blocky core along upper margine and grades into fault gouge for lower 1 meter.	FLT	
A-10-71	49.56	49.57	0.01	Light grey laminations of silt and finely disseminated py parallel to bedding planes	BDG	30
A-10-71	54.14	54.15	0.01	cleavage	CLV	35
A-10-71	54.86	54.87	0.01	sub-mm laminations of silt and finely disseminated pyrite creating bedding planes	BDG	80
A-10-71	55.66	55.67	0.01	cleavage	CLV	40
A-10-71	55.87	55.88	0.01	Fine laminations of silt and finely disseminated pyrite	BDG	120
A-10-71	56.03	56.04	0.01	Folded bedding with what appears to be a ``S`` fold potentially indicating the limb of a antiform	BDG	110

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-71	56.05	56.06	0.01	Folded bedding with what appears to be a ``S`` fold potentially indicating the limb of a antiform	BDG	170
A-10-71	56.08	56.09	0.01	Folded bedding with what appears to be a ``S`` fold potentially indicating the limb of a antiform	BDG	110
A-10-71	56.31	56.32	0.01	Interlaminated light grey silt and finely disseminated pyrite with black mudstone wall rock forming bedding planes	BDG	145
A-10-71	56.89	56.9	0.01	light grey silty laminations along with finely dissemianted pyrite	BDG	140
A-10-71	57.12	57.13	0.01	cleavage	CLV	30
A-10-71	57.68	57.69	0.01	Wisps of sub-mm lainations of silt parallel to bedding	BDG	155
A-10-71	58.74	58.75	0.01	Bedding outlined by fine laminations of silt and pyrite. Bedding becomes subhorizontal.	BDG	168
A-10-71	62.64	62.65	0.01	cleavage	CLV	30
A-10-71	63.85	63.86	0.01	Fine laminations of silt and finely disseminated pyrite	BDG	110
A-10-71	65.29	65.3	0.01	Cleavage	CLV	30
A-10-71	66.37	66.38	0.01	Cleavage	CLV	30
A-10-71	67.05	67.06	0.01	finely laminated silt and pyrite	BDG	130
A-10-71	69.1	69.11	0.01	finely laminated silt and pyrite	BDG	135
A-10-71	70.45	70.46	0.01	repetitive laminations of silt and pyrite	BDG	140
A-10-71	72.11	74.73	2.62	Fautl with moderately developed gouge along the upper and lower contact. The weakly competant rock in the middle is folded and shows signs of ``s`` folding which would be indicative of a synform.	FLT	
A-10-71	75.95	75.96	0.01	Fine laminations of silt and finely disseminated pyrite	BDG	35
A-10-71	76.62	76.63	0.01	Cleavage	CLV	35
A-10-71	80.73	80.74	0.01	finely laminated silt and pyrite	BDG	155
A-10-71	82.23	82.24	0.01	cleavage	CLV	45
A-10-71	82.63	82.64	0.01	slight fold distinguished by silty bedding planes	BDG	160
A-10-71	82.65	82.66	0.01	slight fold distinguished by silty bedding planes	BDG	145
A-10-71	83.75	83.76	0.01	Fine laminations of silt and finely disseminated pyrite	BDG	140

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-71	85.82	85.83	0.01	cleavage	CLV	50
A-10-71	87.75	87.76	0.01	cleavage	CLV	35
A-10-71	90.57	90.61	0.04	fault with well developed fault gouge along with shear veins along either side	FLT	
A-10-71	96.66	96.67	0.01	finely laminated silt and pyrite	BDG	160
A-10-71	99.8	99.81	0.01	Bedding with a weak fold	BDG	160
A-10-71	100.75	100.76	0.01	cleavage	CLV	35
A-10-71	104.06	104.07	0.01	sub-horizontal Bedding defined by finely laminated silt	BDG	180
A-10-71	104.88	104.89	0.01	cleavage	CLV	35
A-10-71	106.14	106.15	0.01	offset shear vein offset with a synstral fault with 1cm of displacement	FLT	145
A-10-71	106.23	106.24	0.01	finely laminated silt and pyrite	BDG	25
A-10-71	106.77	110	3.23	Fault with moderate fault gouge along upper contact then grades into blocky and poker chipped core downhole	FLT	
A-10-71	110.3	110.31	0.01	cleavage	CLV	25
A-10-71	110.73	110.74	0.01	fine laminations of grey silt	BDG	25
A-10-71	112.86	112.87	0.01	Cleavage	CLV	40
A-10-71	115.43	115.44	0.01	lamination of grey/brown silt	BDG	30
A-10-71	116.5	118	1.5	Fault with blocky core along upper contact and grades into moderately developed gouge along lower contact of the fault	FLT	
A-10-71	118.16	118.17	0.01	Fine wispy lamination of silt	BDG	15
A-10-71	118.43	118.44	0.01	cleavage	CLV	25
A-10-71	119.24	123.4	4.16	Fault with weakly deloped gouge along upper contact. Grades into poker chipped and broken up core with gouge between the fractures downhole. In the middle of the fault a 20cm wide piece of mudstone contains >100 mm scale concretions.	FLT	
A-10-71	125.08	128.09	3.01	cleavage	CLV	25
A-10-71	125.36	125.37	0.01	Both finely and coarse disseminated pyrite outlining bedding planes	BDG	30
A-10-71	126.18	126.6	0.42	Fault with predominantly highly broken core and minor amounts of gouge	FLT	

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-71	129.8	129.81	0.01	Bedding plane being defined by interlaminated with coarsely disseminated pyrite	BDG	35
A-10-71	130.56	130.65	0.09	Zone of highly concentrated calcite nodules between 1-3mm in size and contains >100 nodules. Appears to be parallel to bedding.	BDG	35
A-10-71	130.81	130.82	0.01	cleavage	CLV	32
A-10-71	131.7	132.77	1.07	Fault with moderately devoloped gouge along the upper contact and grades into blocky and brittle fractured core towards the lower contact. In the middle of the fault is a 5cm wide shear vein which contains interlaminated calc-silicates and black mudstone at 50 TCA and lacks any mineralization	FLT	
A-10-71	132.85	132.86	0.01	light grey silt with diagenetic pyrite outlining bedding	BDG	30
A-10-71	137.33	137.34	0.01	Cleavage	CLV	30
A-10-71	137.37	137.38	0.01	finely laminated silt and pyrite	BDG	35
A-10-71	138.58	138.59	0.01	cleavage	CLV	38
A-10-71	140.05	140.06	0.01	Cleavage	CLV	26
A-10-71	140.95	142.21	1.26	Fault with poker chipped core along the upper contact,t hen grades into moderately developed fault gouge in mid-section to lower contact.	FLT	
A-10-71	142.52	142.53	0.01	Fine laminations of wispy calcite and pyrite parallel to bedding	BDG	45
A-10-71	143.26	143.27	0.01	cleavage	CLV	40
A-10-71	144.56	144.57	0.01	Cleavage	CLV	30
A-10-71	146.52	146.53	0.01	fine grained light grey silt interlaminated with black mudstone	BDG	25
A-10-71	149.12	149.13	0.01	cleavage	CLV	30
A-10-71	153.1	153.11	0.01	Subhorizontal bedding outlined by finely disseminated pyrite and silt laminations	BDG	180
A-10-71	154.03	154.04	0.01	cleavage	CLV	40
A-10-71	155.65	155.86	0.21	Zone of highly concentrated concertions nodules between 1-3mm in size and contains >100 nodules.		
A-10-71	156.25	156.26	0.01	Cleavage	CLV	25
A-10-71	157.79	157.8	0.01	fine laminations of silt and pyrite	BDG	20

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-71	157.82	158	0.18	20cm zone of nodular barite with up to 80% replacement of nodules with pyrite	BDG	30
A-10-71	159.38	159.39	0.01	Localized open synform over 30cm.	BDG	20
A-10-71	159.4	159.41	0.01	Localized open synform over 30cm.	BDG	180
A-10-71	159.48	159.49	0.01	Localized open synform over 30cm.	BDG	160
A-10-71	160.47	160.48	0.01	cleavage	CLV	40
A-10-71	161.89	162.16	0.27	30cm wide zone of highly concentrated, sub-mm to mm wide concretions. >100 present. All homongenous and calcareous.		
A-10-71	163.11	163.12	0.01	Finely disseminated pyrite forming laminations parallel to bedding	BDG	35
A-10-71	165.38	165.39	0.01	Cleavage	CLV	30
A-10-71	166.95	166.96	0.01	cleavage	CLV	25
A-10-71	167.5	168.3	0.8	Fault with predominately blocky core with moderately devoloped fault gouge towards the lower contact	FLT	
A-10-71	168.45	168.46	0.01	sub mm laminations of barite nodules with pyrite parallel to bedding	BDG	140
A-10-71	170.05	170.06	0.01	cleavage	CLV	30
A-10-71	170.35	170.36	0.01	10cm zone of barite nodules paralle to bedding	BDG	35
A-10-71	170.86	171.04	0.18	Fault with predominantly blocky core along with weakly developed gouge	FLT	
A-10-71	172	172.01	0.01	interlamiations of fine grained dark grey/black silt	BDG	35
A-10-71	173.35	173.36	0.01	cleavage	CLV	33
A-10-71	175.18	175.19	0.01	Fine lamintions of silt and finely disseminated pyrite	BDG	45
A-10-71	176.65	176.96	0.31	Fault with predominantly blocky core but also weakly developed gouge.	FLT	
A-10-71	177.92	177.93	0.01	cleavage	CLV	35
A-10-71	180.35	180.36	0.01	Cleavage	CLV	25
A-10-71	182.93	182.94	0.01	Fine wispy laminations of finely disseminated pyrite	BDG	30
A-10-71	184.6	184.61	0.01	Cleavage	CLV	30
A-10-71	187.68	187.69	0.01	Cleavage	CLV	29
A-10-71	189.3	189.31	0.01	fine grained light grey silt defining bedding plane	BDG	30

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-71	194.32	194.33	0.01	Cleavage	CLV	40
A-10-71	195.44	196.46	1.02	Fault comprised of predominately blocky and poker chipped core and minor amounts of fault gouge	FLT	
A-10-71	196.7	196.71	0.01	Cleavage	CLV	45
A-10-71	199.88	199.89	0.01	Cleavage	CLV	40
A-10-71	201.6	201.61	0.01	Cleavage	CLV	20
A-10-71	203.92	203.93	0.01	Cleavage	CLV	28
A-10-71	207.09	207.83	0.74	Fault with predominantly brittle fractured core and minor fault gouge	FLT	
A-10-71	208.46	208.47	0.01	Cleavage	CLV	40
A-10-71	209.22	210	0.78	Broken/blocky core		
A-10-71	211.9	211.91	0.01	Cleavage	CLV	25
A-10-71	212.08	216	3.92	Faull with high extent of fault gouge along the upper and lower 1 meter, with intensely poker chipped core in between. Poker chipped core contains high amounts of fault affected dilation veins filled with calc-silicates.	FLT	
A-10-71	217.2	217.64	0.44	Fault with moderately developed fault gouge and pervasive fault affected dilation veining in the wall rock	FLT	
A-10-71	216.68	221.89	5.21	Fauit with extensive fault gouge for the upper 2 meters then grades into highy poker chipped and blocky core.	FLT	
A-10-71	222.09	222.1	0.01	Cleavage	CLV	55
A-10-71	222.6	225.5	2.9	Fault with highy broken up and rubbly core for the first 1.5 meters then in the last 0.5m the fault exhibits extensive extensive fault gouge.	FLT	
A-10-71	227.2	229.7	2.5	Fault with localized 10cm wide zones of highly developed fault gouge and rubbly/ poker chipped core.	FLT	
A-10-71	229.8	229.81	0.01	Bed of finely disseminated pyrite which has been synstrally faulted by 1cm at 40 TCA	BDG	85
A-10-71	230.53	230.54	0.01	Cleavage	CLV	50

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-71	230.75	231.27	0.52	Fault with moderately developed gouge along the upper contact, thebn grades into blocky core	FLT	
A-10-71	234.15	234.64	0.49	Fault comprised predominantly of blocky and poker chipped core and minor amounts of fault gouge.	FLT	
A-10-71	234.91	234.92	0.01	Cleavage	CLV	60
A-10-71	236.27	236.28	0.01	Wide lamitions of fine graind light grey siltstone interlaminted with finely disseminated pyrite in 4SS unit. Bedding starts out steep, the shallows downhole	BDG	135
A-10-71	236.6	236.61	0.01	Decreasing bedding angle distinguished by wide lamitions of fine graind light grey siltstone interlaminted with finely disseminated pyrite in 4SS unit.	BDG	110
A-10-71	236.65	236.66	0.01	Small mm wide healed synstral fault with 1cm of displacement	FLT	40
A-10-71	238	238.6	0.6	Fault comprised of blocky and crumbled core with minor amounts of fault gouge.	FLT	
A-10-71	239.92	239.93	0.01	Cleavage	CLV	50
A-10-71	242.86	242.87	0.01	50cm wide zone of barite nodules paralle to bedding at 150 Tca.	BDG	150
A-10-71	244.25	244.26	0.01	55cm wide zone of bedded barite nodules with up to 50% py replacement of calcite.	BDG	155
A-10-71	244.47	244.48	0.01	mm wide synstral micro-fault with 1cm of displacement.	FLT	
A-10-71	248.57	248.58	0.01	4cm zone of interlaminated finely disseminated pyrite	BDG	135
A-10-71	248.34	265	16.66	Extensive and pervasive thrust fault with intense fault gouge along with locallized zones of blocky and poker chipped core. In zones of blocky core, the unit exhibits extensive late dilation fractures filled with calc-silicates and have a cleavage of 50 TCA. Towards the lower contact the fault becomes increasingly poker chipped and blocky.	FLT	

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-71	266	274.24	8.24	Continuation of pervasive thrust fault with blocky core along the upper contact and grades into highly developed gouge towards the lower contact. At the lower contact is a 10cm wide shear vein.	FLT	
A-10-71	271.64	271.65	0.01	Bed of nodular barite and finely disseminated pyrite laminations	BDG	60
A-10-71	273.25	273.26	0.01	Cleavage	CLV	40
A-10-71	274.72	274.73	0.01	10cm wide band of finely disseminated pyrite parallel to bedding	BDG	55
A-10-71	275.93	275.94	0.01	Cleavage	CLV	30
A-10-71	278.97	278.98	0.01	20cm wide zone with thin laminations of barite nodules and finely dissemninated pyrite	BDG	80
A-10-71	281.2	281.21	0.01	Cleagage	CLV	65
A-10-71	281.42	281.43	0.01	Interlaminted barite nodules and finely disseminated pyrite over 5cm.	BDG	70
A-10-71	283.9	283.91	0.01	Cleavage	CLV	50
A-10-71	285.05	287.45	2.4	Broken and blocky fault affectedcore with a 40cm wide septarian concretion.	FLT	
A-10-71	287.46	292.3	4.84	Fault comprised mainly of blocky core with moderately developed gouge dispersed between blocks.	FLT	
A-10-71	293.13	293.14	0.01	Cleavage	CLV	35
A-10-71	295.45	295.46	0.01	Thin laminations of silt and finely disseminated pyrite	BDG	110
A-10-71	297	297.06	0.06	5cm wide zone of wavy pyrite laminations with an overall orientation of 110TCA	BDG	110
A-10-71	300.3	300.31	0.01	30cm wide zone of laminated barite nodules and finely disseminated pyrite.	BDG	130
A-10-71	302.36	302.37	0.01	Cleavage	CLV	60
A-10-71	303.67	304.3	0.63	Fault with highly developed gouge and slick'n slides along the upper contact.	FLT	
A-10-71	305.61	305.62	0.01	10cm wide bed of laminated pyrite and barite nodules	BDG	115
A-10-71	307.3	307.31	0.01	Cleavage	CLV	35
A-10-71	309.58	309.59	0.01	10cm wide bed of laminated pyrite and barite nodules	BDG	60

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-71	310	310.01	0.01	Cleavage	CLV	45
A-10-71	311.42	311.43	0.01	Finely disseminated pyrite laminations closely spaced forming beds with interlaminated nodular barite. Zone is 60 cm long	BDG	95
A-10-71	312.83	312.84	0.01	Cleavage	CLV	50
A-10-71	313.5	313.51	0.01	Small mm wide lamination of finely disseminated pyrite and calcite	BDG	100
A-10-71	318.14	318.15	0.01	Cleavage	CLV	45
A-10-71	319.07	319.08	0.01	Cleavage	CLV	40
A-10-71	322.7	324.25	1.55	Fault with well developed gouge in the middle of the fault. Along the upper margin a 5cm wide calc-silicate vein is present, but barren of any mineralization. The lower contact contains a high concentration of dilation fractures and is very fissile.	FLT	
A-10-71	325.64	325.65	0.01	zone of pervasively interlaminated pyrite and barite	BDG	110
A-10-71	326.3	326.31	0.01	Localized "z" fold over a 15cm intervol, likely indicating the presence of a synform.	BDG	90
A-10-71	326.35	326.36	0.01	Localized "z" fold over a 15cm intervol, likely indicating the presence of a synform.	BDG	180
A-10-71	326.44	326.45	0.01	Localized "z" fold over a 15cm intervol, likely indicating the presence of a synform.	BDG	90
A-10-71	327.77	327.78	0.01	Pervasive interlaminations of pyrite and barite	BDG	85
A-10-71	328.08	328.09	0.01	1m wide bed of pervasively interlaminated finely dissemianted pyrite and barite. Bedding angle is continous throughout	BDG	150
A-10-71	329.78	329.79	0.01	1.5m long zone of pervasively interlaminated finely disseminated pyrite and nodular barite.	BDG	115
A-10-71	331.49	331.5	0.01	Cleavage	CLV	40
A-10-71	332.52	332.59	0.07	Sharp unconformably bound PYSH unit or fragment with bedding angles of 140TCA	UNC	
A-10-71	335.22	335.23	0.01	massive interlaminations of pyrite	BDG	60
A-10-71	337.7	337.71	0.01	massive interlaminations of pyrite	BDG	130

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-71	338.37	338.38	0.01	Cleavage	CLV	45
A-10-71	340.47	340.48	0.01	massive interlaminations of pyrite	BDG	95
A-10-71	342.28	342.29	0.01	Interbed of massively laminated pyrite	BDG	75
A-10-71	343.91	343.92	0.01	Cleavage	CLV	70
A-10-71	344.28	345.21	0.93	Fault with predominantly block core along the upper contact, then grades into weakly developed gouge towards the lower contact.	FLT	
A-10-71	346.77	346.78	0.01	Cleavage	CLV	65
A-10-71	347.85	347.86	0.01	Bedding comprised of massive interlaminations of finely disseminated pyrite	BDG	80
A-10-71	350	350.01	0.01	Cleavage	CLV	50
A-10-71	351.91	351.92	0.01	Zone of black mudstone with interlaminatd siltstone and finely disseminated pyrite	BDG	60
A-10-71	354.08	354.09	0.01	Cleavage	CLV	40
A-10-71	355.38	355.39	0.01	Localized reversal in bedding direction over 10cm	BDG	115
A-10-71	355.48	355.49	0.01	Localized reversal in bedding direction over 10cm	BDG	85
A-10-71	358.14	358.15	0.01	Cleavage	CLV	60
A-10-71	363.73	363.74	0.01	Cleavage	CLV	60
A-10-71	367.15	367.16	0.01	Cleavage	CLV	45
A-10-71	372.62	372.63	0.01	Cleavage	CLV	25
A-10-71	375.06	375.07	0.01	Cleavage	CLV	35
A-10-71	378.88	378.89	0.01	Cleavage	CLV	25
A-10-71	382.03	382.04	0.01	Cleavage	CLV	180
A-10-71	386	386.01	0.01	Cleavage	CLV	180
A-10-71	387.12	389.05	1.93	Broken and blocky core which contains minor amounts of gouge.	FLT	
A-10-71	391.8	391.81	0.01	Cleavage	CLV	35
A-10-71	395.5	397.95	2.45	Moderately broken/blocky core with weak to no fault gouge present.	BDG	FLT
A-10-71	400.17	400.18	0.01	Cleavage	CLV	45
A-10-71	400.63	400.64	0.01	interlaminated light and dark grey siltstone	BDG	40
A-10-71	404	404.01	0.01	Cleavage	CLV	15
A-10-71	404.92	404.93	0.01	interlaminated light and dark grey siltstone	BDG	55
A-10-71	407.37	407.38	0.01	Fine laminations of dark grey silt	BDG	40
A-10-71	410.22	410.23	0.01	Cleavage	CLV	35

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-71	412.44	412.45	0.01	wispy laminations of calcite rich siltstone	BDG	55
A-10-71	415.22	415.23	0.01	Cleavage	CLV	35
A-10-71	417.44	417.45	0.01	Cleavage	CLV	45
A-10-71	419.1	419.11	0.01	Coarse grained light grey silt laminations	BDG	40
A-10-71	419.8	419.81	0.01	Cleavage	CLV	20
A-10-71	423.44	423.45	0.01	Cleavage	CLV	23
A-10-71	426	426.01	0.01	light grey coarse grained silt laminations	BDG	30
A-10-71	426.73	426.74	0.01	Cleavage	CLV	30
A-10-71	428.35	428.36	0.01	Cleavage	CLV	35
A-10-71	428.7	428.71	0.01	Bedding defined by small siltstone blebs, possible micro-boudins.	BDG	50
A-10-71	433.68	433.69	0.01	Cleavage	CLV	40
A-10-71	434.58	434.59	0.01	Fine wispy laminations of calcite rich silt beds	BDG	60
A-10-71	436.75	437.04	0.29	Blocky and broken core with trace to no gouge, however, presence of minor slick'n slides.	FLT	
A-10-71	439.26	439.27	0.01	Cleavage	CLV	25
A-10-71	440.72	440.73	0.01	Cleavage	CLV	40
A-10-71	442.87	442.88	0.01	Bedding outlined by finer grained siltstone, and appears to be reversed	BDG	160

									7AX	7AX	7AX	7AX	7AX	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	WGHT	7AR.1
									Mo	Cu	Pb	Zn	Ag	Ba	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Wgt	Pb
HOLE ID	FROM	TO	LENGTH	SAMPLE #	% SULPHIDES	% SHALE	STANDARDS	CERTIFICATE #	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	NONE	KG	%
A-10-71	323.8	325.14	1.34	851780	1	95		VAN10003986	23.6	40.4	44.6	2850	1.1	41734	91.7	6.7	243	1.66	17	5.5	4.6	181	41.7	18.6	<0.5	111	0.98	0.044	16.3	11.5	0.26	1626	0.003	0.52	<0.01	0.22	<0.5	0.26	3.3	2.3	1.62	<5	21	2.66423	4.89	
A-10-71				851781			STD PB123	VAN10003986	7.1	6879.5	>40000.0	70731	79	1080	9.3	10.9	930	5.02	99	1.2	2.9	13	207.1	435.9	4.2	16	0.2	0.021	5.4	11.3	0.24	483	0.081	0.47	0.05	0.32	2.9	10.3	2.5	41.2	6.13	<5	8	I.S.	0.02	5.95
A-10-71	325.14	326	0.86	851782	10	70		VAN10003986	26.3	60.8	125.1	1507	2.2	140289	93.8	6.3	419	3.09	29	6	4.3	669	21.9	47.2	<0.5	125	2.55	0.053	15.1	10.9	0.29	2146	0.003	1.56	<0.01	0.11	<0.5	0.36	5.6	5.5	1.23	<5	39	2.90466	3.59	
A-10-71	326	326.73	0.73	851783	15	60		VAN10003986	24.2	52.2	105	896	1.7	142431	82.4	5.9	427	2.58	26	5.5	3.7	310	13.3	39.5	<0.5	165	1.82	0.052	14.4	15.6	0.33	2945	0.003	1.55	<0.01	0.09	<0.5	0.28	5.4	4.9	1.03	<5	37	2.866	3.03	
A-10-71	326.73	327.36	0.63	851784	10	70		VAN10003986	28.1	57.7	101.4	398	1.7	119373	100.8	6.2	269	2.78	35	5.2	4	140	5.2	38.6	<0.5	157	0.99	0.052	16.5	13.2	0.29	2042	0.003	2.06	<0.01	0.12	<0.5	0.31	6	5.7	1.35	<5	39	2.7737	2.62	
A-10-71	327.36	328.45	1.09	851785	10	75		VAN10003986	28.5	60.2	103.9	951	2.1	122353	99.3	7.7	214	2.78	31	5.3	4.3	303	14.8	39.5	<0.5	129	1.18	0.056	17.1	11.9	0.29	1394	0.004	1.2	<0.01	0.14	<0.5	0.27	5.6	5.3	1.69	<5	45	2.8244	4.78	
A-10-71	328.45	329.14	0.69	851786	3	95		VAN10003986	22	44.1	72.1	2844	1.5	111146	84.1	6.4	315	3.37	21	6.5	4	512	44.2	28	<0.5	84	2.26	0.08	15.7	9.2	0.21	986	0.003	0.79	<0.01	0.12	<0.5	0.26	4.2	3.7	2.26	<5	21	2.83734	2.95	
A-10-71	329.14	329.9	0.76	851787	20	60		VAN10003986	25.7	60.6	123.8	430	2	137725	90.4	5.6	345	2.86	29	5.5	4	263	6.2	43.3	<0.5	120	1.43	0.052	14.6	11	0.31	1767	0.003	1.48	<0.01	0.1	<0.5	0.23	5.8	6.4	1.46	<5	44	2.85397	3.4	
A-10-71	329.9	330.85	0.95	851788	5	85		VAN10003986	21	45.2	90.5	1439	1.3	135980	84.2	6.2	323	2.26	23	4.8	4.3	277	20.9	27.2	<0.5	159	1.47	0.057	15.7	14	0.33	9031	0.004	2.06	<0.01	0.11	<0.5	0.25	7.4	4.5	0.49	<5	31	2.87178	3.91	
A-10-71	330.85	331.68	0.83	851789	20	60		VAN10003986	20.9	56.8	124.5	1167	1.8	141295	86	5.9	375	2.3	28	4.4	4.1	290	16.2	32.8	<0.5	182	2.03	0.051	17.1	15.7	0.32	6965	0.003	2.13	<0.01	0.09	<0.5	0.27	7.2	5.9	0.61	<5	33	2.84922	3.62	
A-10-71	331.68	332.59	0.91	851790	5	85		VAN10003986	23.9	51	98.8	3150	1.9	127972	92	6.3	178	2.24	26	5.5	3.2	184	41.9	27.9	<0.5	205	0.72	0.066	12.7	19.5	0.27	7196	0.004	2.46	<0.01	0.09	<0.5	0.39	7.1	4.4	0.61	5	33	2.82291	3.91	
A-10-71				851791			Coarse Duplicate of 851790	VAN10003986	24.8	49.7	97.3	3117	1.7	127547	84.2	6.6	175	2.22	25	5	3.4	197	39.9	27.2	<0.5	206	0.71	0.059	12.9	18.9	0.27	6883	0.003	2.41	<0.01	0.08	<0.5	0.33	6.8	4.4	0.63	<5	32	2.87097	<0.01	
A-10-71	332.59	333.57	0.98	851792	5	85		VAN10003986	13.7	44.7	99.2	895	1.4	136166	61.7	4.4	882	3.09	17	3.6	3.3	536	11.5	26	<0.5	82	5.87	0.052	12.6	7.6	0.29	1914	0.003	0.52	<0.01	0.09	<0.5	0.16	3.6	4	1.34	<5	27	2.84703	4.55	
A-10-71	333.57	334.34	0.77	851793	Tr	10		VAN10003986	6.3	13.8	43.4	1293	0.7	47353	30.2	1.8	2951	1.03	8	1.5	1.2	1233	16.9	10.6	<0.5	54	26.77	0.038	7	3.3	0.41	9272	0.001	0.13	0.01	0.05	<0.5	0.12	1.5	1.7	0.54	<5	12	2.75	3.14	
A-10-71	334.34	335.16	0.82	851794	10	40		VAN10003986	18.3	44.4	154.4	73	2.6	34677	66.7	4	2273	5.14	35	3.4	2.1	561	0.9	33.2	<0.5	65	13.83	0.046	7.6	6	0.18	299	0.003	0.26	<0.01	0.12	<0.5	0.15	2.6	10.4	5.87	<5	30	2.7727	3.45	
A-10-71	335.16	335.87	0.71	851795	10	70		VAN10003986	25.9	23.7	73.5	4609	1.3	29685	78	4.7	1852	2.08	24	7.3	3	531	44.1	12.9	<0.5	88	12.61	0.14	10.9	6.9	0.21	833	0.004	0.28	<0.01	0.13	<0.5	0.38	2.8	3.9	2.59	<5	14	2.67445	3.09	
A-10-71	335.87	336.57	0.7	851796	15	40		VAN10003986	16.6	37.8	277.2	3219	4.6	87303	71	4.4	1964	6.6	73	2.8	1.8	278	21.6	31.4	<0.5	59	9.53	0.069	9.1	9	0.19	248	0.002	0.4	<0.01	0.08	<0.5	0.36	2.4	11.8	7.25	<5	22	2.90618	3.18	
A-10-71	336.57	337.58	1.01	851797	20	70		VAN10003986	20.5	48.8	295.6	4235	7.7	21770	92.1	5.6	888	7.41	80	3.4	2.9	135	30.6	33.4	<0.5	81	3.68	0.085	12.4	16.9	0.09	239	0.004	0.55	<0.01	0.17	<0.5	0.45	2.4	14.5	9.22	<5	21	2.77046	4.43	
A-10-71	337.58	338.58	1	851798	20	60		VAN10003986	16.4	43.3	287.9	1282	7.4	13363	79.6	5.3	1243	8.99	65	3.5	2.7	221	10.5	31.1	<0.5	82	5.48	0.111	10.4	14.9	0.1	126	0.005	0.35	<0.01	0.17	<0.5	0.18	2.6	15.4	11.32	<5	15	2.87268	4.23	
A-10-71	338.58	339.49	0.91	851799	20	60		VAN10003986	16.8	37.6	291.7	644	7	9373	76.2	5.2	949	9.13	62	3.7	2.4	197	5.8	24.8	<0.5	86	5.27	0.136	9.9	15.9	0.09	131	0.005	0.37	<0.01	0.19	<0.5	0.19	2.5	15.3	11.22	<5	14	2.82606	3.72	
A-10-71	339.49	340.6	1.11	851800	20	70		VAN10003986	17.8	40.3	241.1	1900	6.8	8947	79.6	6.1	765	5.41	56	3.3	3.2	172	17.3	17.1	<0.5	84	4.16	0.173	14.9	17.9	0.1	309	0.006	0.47	<0.01	0.23	<0.5	0.24	2.8	14.3	6.79	<5	13	2.72177	4.12	
A-10-71				851801			Blank BL108	VAN10003986	0.7	15.5	2.7	32	<0.5	1039	1.6	2.7	518	1.54	<5	1.5	4.9	10	<0.5	<0.5	<0.5	13	0.15	0.016	8.2	13.8	0.21	147	0.079	0.58	0.08	0.32	<0.5	<0.05	3.3	<0.5	<0.05	<5	<2	I.S.	0.02	
A-10-71	340.6	341.61	1.01	851802	15	50		VAN10003986	15.3	31.4	252.9	151	5.3	7089	73.3	4.5	1632	5.56	59	2.4	2.5	380	1.6	14.8	<0.5	64	11.5	0.098	9.1	15.2	0.15	328	0.004	0.33	<0.01	0.17	<0.5	0.18	3.1	13.2	7.03	<5	11	2.73836	4.29	
A-10-71	341.61	342.53	0.92	851803	10	30		VAN10003986	12.8	27.1	282.2	27	4	6220	60.6	3.4	2097	5.38	41	1.7	2.1	494	<0.5	12.4	<0.5	53	16.36	0.056	7.4	12	0.31	317	0.003	0.25	0.01	0.14	<0.5	0.15	2.6	13.4	6.81	<5	6	2.73792	3.97	
A-10-71	342.53	343.28	0.75	851804	15	40		VAN10003986	12.9	38.7	379.2	80	4.3	4702	67	4.6	1763	6.03	49	1.6	2	395	1	14.7	<0.5	49	14.29	0.053	6.2	11.8	0.19	336	0.003	0.25	0.01	0.14	<0.5	0.19	3	16.1	7.86	<5	6	2.75551	3.34	
A-10-71	343.28	344.2	0.92	851805	20	40		VAN10003986	14.6	45.8	284.5	2431	2.8	6214	75.4	4.9	850	3.85	46	2	2.7	276	24.6	13.5	<0.5	74	8.87	0.046	9.4	13	0.13	719	0.005	0.45	<0.01	0.22	<0.5	0.31	2.3	9.9	4.87	<5	9	2.69913	3.64	
A-10-71	344.2	345.7	1.5	851806	1	95		VAN10003986	13.8	26.9	148.8	1025	0.6	6831	46.7	5.8	852	1.97	12	3.8	2.4	475	9.3	6.7	<0.5	33	13.02	0.031	8.3	3.9	0.14	1156	0.003	0.23	<0.01	0.14	2.3	0.19	3.1	2.9	2.47	<5	4	2.643	4.63	

HOLE ID	DISTANCE	AZIMUTH (mag)	AZIMUTH (true)	DIP	MAGN	SURVEY TYPE	ACCEPTED	COMMENTS	
A-10-71	0		50	-76				Collar	
A-10-71	13	28.8	49.58	-76.2	5929	Reflex	Yes		
A-10-71	32	27	47.78	-76.1	5880	Reflex	Yes		
A-10-71	62	22	42.78	-74.9	5880	Reflex	Yes		
A-10-71	92	16.6	37.38	-72.7	5877	Reflex	Yes		
A-10-71	122	9.8	30.58	-68.8	5876	Reflex	Yes		
A-10-71	137	10.3	31.08	-68.5	5875	Reflex	Yes		
A-10-71	167	10.7	31.48	-68.1	5880	Reflex			
A-10-71	197	11	31.78	-67.4	5891	Reflex	Yes		
A-10-71	227	150.9	171.68	-66.7	9823	Reflex	No	High magnetic reading	
A-10-71	263	9.5	30.28	-66.8	5882	Reflex	Yes		
A-10-71	293	10.9	31.68	-66.1	5877	Reflex	Yes		
A-10-71	326	10.4	31.17	-63.6	5882	Reflex	Yes		
A-10-71	353	9.4	30.18	-61.8	5884	Reflex	Yes		
A-10-71	383	9.7	30.48	-61.1	5882	Reflex	Yes		

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-71	5	8	3	1.6	53.33	0	0.00												
A-10-71	8	11	3	2.49	83.00	0.65	26.10												
A-10-71	11	14	3	2.54	84.67	0.35	13.78												
A-10-71	14	17	3	2.68	89.33	0.56	20.90												
A-10-71	17	20	3	2.46	82.00	0	0.00												
A-10-71	20	23	3	3.12	104.00	0.47	15.06												
A-10-71	23	26	3	2.79	93.00	0.1	3.58												
A-10-71	26	29	3	3	100.00	0.61	20.33												
A-10-71	29	32	3	2.65	88.33	0.38	14.34												
A-10-71	32	35	3	2.97	99.00	0.3	10.10												
A-10-71	35	38	3	2.96	98.67	0.11	3.72												
A-10-71	38	41	3	2.63	87.67	0.49	18.63												
A-10-71	41	44	3	2.95	98.33	0.66	22.37												
A-10-71	44	47	3	3.07	102.33	0.97	31.60												
A-10-71	47	50	3	2.59	86.33	1.25	48.26												
A-10-71	50	53	3	2.7	90.00	1.2	44.44												
A-10-71	53	56	3	2.9	96.67	2.05	70.69												
A-10-71	56	59	3	2.95	98.33	1.8	61.02												
A-10-71	59	62	3	2.68	89.33	1.32	49.25												
A-10-71	62	65	3	2.83	94.33	2.08	73.50												
A-10-71	65	68	3	3	100.00	1.7	56.67												
A-10-71	68	71	3	2.84	94.67	0.87	30.63												
A-10-71	71	74	3	2.5	83.33	0.97	38.80												
A-10-71	74	77	3	2.48	82.67	0.9	36.29												
A-10-71	77	80	3	0.91	30.33	0.47	51.65												
A-10-71	80	83	3	2.92	97.33	1.07	36.64												
A-10-71	83	86	3	2.75	91.67	0.83	30.18												
A-10-71	86	89	3	2.8	93.33	1.31	46.79												
A-10-71	89	92	3	3	100.00	0.72	24.00												
A-10-71	92	95	3	3	100.00	2.61	87.00												
A-10-71	95	98	3	3	100.00	2	66.67												
A-10-71	98	101	3	3	100.00	2.08	69.33												
A-10-71	101	104	3	2.64	88.00	1.31	49.62												
A-10-71	104	107	3	2.93	97.67	0.97	33.11												
A-10-71	107	110	3	2.6	86.67	0	0.00												
A-10-71	110	113	3	2.95	98.33	1.15	38.98												
A-10-71	113	116	3	2.66	88.67	0.56	21.05												
A-10-71	116	119	3	2.78	92.67	0.36	12.95												
A-10-71	119	122	3	2.55	85.00	0.17	6.67												
A-10-71	122	125	3	2.66	88.67	0.92	34.59												
A-10-71	125	128	3	2.9	96.67	1.3	44.83												
A-10-71	128	131	3	2.71	90.33	0.58	21.40												
A-10-71	131	134	3	3.03	101.00	1.2	39.60												
A-10-71	134	137	3	2.7	90.00	0.8	29.63												
A-10-71	137	140	3	2.85	95.00	2.45	85.96												
A-10-71	140	143	3	2.73	91.00	0.44	16.12	100	100										
A-10-71	143	146	3	2.83	94.33	1.54	54.42												
A-10-71	146	149	3	2.75	91.67	1.14	41.45	100	100										
A-10-71	149	152	3	2.72	90.67	1.18	43.38												
A-10-71	152	155	3	3	100.00	2.36	78.67	100	100										
A-10-71	155	158	3	2.95	98.33	2.38	80.68	100	100				1						

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-71	158	161	3	2.9	96.67	2.05	70.69												
A-10-71	161	164	3	2.7	90.00	1.58	58.52												
A-10-71	164	167	3	2.9	96.67	1.92	66.21												
A-10-71	167	170	3	2.55	85.00	1.05	41.18												
A-10-71	170	173	3	2.9	96.67	1.39	47.93												
A-10-71	173	176	3	2.95	98.33	2.3	77.97												
A-10-71	176	179	3	2.8	93.33	1.72	61.43												
A-10-71	179	182	3	2.9	96.67	1.61	55.52												
A-10-71	182	185	3	2.95	98.33	2.09	70.85												
A-10-71	185	188	3	2.9	96.67	2.06	71.03												
A-10-71	188	191	3	2.89	96.33	1.31	45.33												
A-10-71	191	194	3	2.76	92.00	0.785	28.44												
A-10-71	194	197	3	2.5	83.33	1.2	48.00												
A-10-71	197	200	3	2.95	98.33	1.85	62.71												
A-10-71	200	203	3	2.95	98.33	2.03	68.81												
A-10-71	203	206	3	2.95	98.33	2.15	72.88												
A-10-71	206	209	3	2.85	95.00	1.39	48.77												
A-10-71	209	212	3	2.5	83.33	0.88	35.20												
A-10-71	212	215	3	1.5	50.00	0.59	39.33												
A-10-71	215	218	3	2.2	73.33	0.12	5.45												
A-10-71	218	221	3	2.25	75.00	0	0.00												
A-10-71	221	224	3	2.5	83.33	0.36	14.40												
A-10-71	224	227	3	2.4	80.00	0.49	20.42												
A-10-71	227	230	3	2.3	76.67	0.45	19.57												
A-10-71	230	233	3	2.75	91.67	0.65	23.64												
A-10-71	233	236	3	2.4	80.00	0.67	27.92		1				1						
A-10-71	236	239	3	2.8	93.33	1.25	44.64												
A-10-71	239	242	3	2.75	91.67	1.18	42.91												
A-10-71	242	245	3	2.95	98.33	2.85	96.61	28	25	2			1						
A-10-71	245	248	3	2.7	90.00	0.83	30.74												
A-10-71	248	251	3	2.4	80.00	0.16	6.67												
A-10-71	251	254	3	2.2	73.33	0.12	5.45												
A-10-71	254	257	3	1.72	57.33	0	0.00												
A-10-71	257	260	3	1.86	62.00	0	0.00												
A-10-71	260	263	3	2	66.67	0	0.00												
A-10-71	263	266	3	2	66.67	0.19	9.50	1		1									
A-10-71	266	269	3	2.4	80.00	0.12	5.00												
A-10-71	269	272	3	2.2	73.33	0.5	22.73												
A-10-71	272	275	3	2.95	98.33	2.63	89.15												
A-10-71	275	278	3	3	100.00	2.15	71.67	2	1	1									
A-10-71	278	281	3	2.8	93.33	2.02	72.14	12											
A-10-71	281	284	3	2.95	98.33	1.9	64.41	18	14	2		2							
A-10-71	284	287	3	2.85	95.00	1.73	60.70	6	4	1	1								
A-10-71	287	290	3	2.5	83.33	0.63	25.20												
A-10-71	290	293	3	2.6	86.67	0.96	36.92												
A-10-71	293	296	3	2.95	98.33	2.76	93.56	7	5		2								
A-10-71	296	299	3	3	100.00	2.78	92.67	12	8	1	2	1							
A-10-71	299	302	3	2.95	98.33	1.73	58.64	3	3										
A-10-71	302	305	3	2.6	86.67	0.85	32.69												
A-10-71	305	308	3	2.95	98.33	2.44	82.71	11	8	2	1								
A-10-71	308	311	3	2.95	98.33	1.63	55.25	3		2	1								

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-71	311	314	3	2.9	96.67	1.76	60.69	2		1	1								
A-10-71	314	317	3	2.9	96.67	1.45	50.00												
A-10-71	317	320	3	2.95	98.33	1.85	62.71												
A-10-71	320	323	3	2.93	97.67	2.36	80.55												
A-10-71	323	326	3	2.8	93.33	1.36	48.57												
A-10-71	326	329	3	3.02	100.67	2.75	91.06	1	1										
A-10-71	329	332	3	2.95	98.33	2.81	95.25												
A-10-71	332	335	3	3.04	101.33	2.49	81.91												
A-10-71	335	338	3	2.99	99.67	2.54	84.95												
A-10-71	338	341	3	2.84	94.67	2.11	74.30												
A-10-71	341	344	3	3	100.00	2.42	80.67												
A-10-71	344	347	3	2.61	87.00	1.42	54.41												
A-10-71	347	350	3	2.85	95.00	2.33	81.75												
A-10-71	350	353	3	3.08	102.67	2.91	94.48												
A-10-71	353	356	3	2.98	99.33	2.91	97.65												
A-10-71	356	359	3	2.94	98.00	2.85	96.94												
A-10-71	359	362	3	2.96	98.67	2.74	92.57												
A-10-71	362	365	3	3	100.00	3	100.00												
A-10-71	365	368	3	3.03	101.00	2.97	98.02												
A-10-71	368	371	3	2.97	99.00	2.89	97.31												
A-10-71	371	374	3	3.03	101.00	2.95	97.36												
A-10-71	374	377	3	3.06	102.00	2.92	95.42												
A-10-71	377	380	3	2.95	98.33	2.15	72.88												
A-10-71	380	383	3	2.98	99.33	2.76	92.62												
A-10-71	383	386	3	2.95	98.33	2.8	94.92												
A-10-71	386	389	3	2.5	83.33	0.79	31.60												
A-10-71	389	392	3	2.6	86.67	1.17	45.00												
A-10-71	392	395	3	2.85	95.00	1.2	42.11												
A-10-71	395	398	3	2.8	93.33	0.69	24.64												
A-10-71	398	401	3	2.9	96.67	2.23	76.90												
A-10-71	401	404	3	2.95	98.33	2.21	74.92												
A-10-71	404	407	3	2.96	98.67	2.37	80.07												
A-10-71	407	410	3	3	100.00	2.78	92.67												
A-10-71	410	413	3	2.9	96.67	1.64	56.55												
A-10-71	413	416	3	2.96	98.67	2.64	89.19												
A-10-71	416	419	3	2.95	98.33	2.05	69.49												
A-10-71	419	422	3	2.9	96.67	2.12	73.10												
A-10-71	422	425	3	2.85	95.00	1.45	50.88												
A-10-71	425	428	3	3	100.00	2.47	82.33												
A-10-71	428	431	3	2.95	98.33	2.32	78.64												
A-10-71	431	434	3	2.97	99.00	1.73	58.25												
A-10-71	434	437	3	2.9	96.67	1.24	42.76												
A-10-71	437	440	3	2.85	95.00	1.67	58.60												
A-10-71	440	443		2.9	96.67	2.01	69.31												

COAST MOUTAIN GEOLOGICAL LTD.
DRILL HOLE COVER SHEET

PROPERTY: AKIE

DRILL HOLE #: A-10-72

LOGGED BY: Simon Parada

COVER SHEET DATE: 13-Aug-10

DDH COLLAR LOCATION

PROPERTY:

PROPOSED

LOCAL GRID
NORTH:
EAST:
ELEVATION:

DATUM: NAD 83 Zone 10
UTM CO-ORDS
NORTHING: 6361909
EASTING: 387138
ELEVATION: 1510

SURVEYED

LOCAL GRID
NORTH:
EAST:
ELEVATION:

UTM CO-ORDS
NORTHING:
EASTING:
ELEVATION:

DDH COLLAR ORIENTATION

PROPOSED
AZIMUTH: 50
DIP: -80

SURVEYED
AZIMUTH:
DIP:

DDH LENGTH

PROPOSED
LENGTH: 450

ACTUAL
LENGTH: 533

DOWN HOLE SURVEY

SURVEY TYPE: REFLEX EASY SHOT

DISTANCE	AZIMUTH	DIP	ACPTED	COMMENTS
0	50	-80		
14	28.8	-80.6	Yes	
44	28	-80.3	Yes	
74	27.2	-78.9	Yes	
104	26.3	-77.9	Yes	
134	24	-76.5	Yes	
164	22.1	-74.9	Yes	
194	22.5	-74.3	Yes	
224	21.8	-73.6	Yes	
254	21.1	-73	Yes	
284	21.8	-72.7	Yes	
314	22.6	-72.4	Yes	
344	23.4	-72	Yes	
374	10.2	-71	No	
404	26.4	-71.7	Yes	
434	26.8	-71.2	Yes	
464	27	-70.9	Yes	
494	26.5	-70	Yes	
525	27.5	-70.3	Yes	
536	27.8	-70.3	Yes	

DRILLING INFORMATION

CONTRACTOR: RODERN DRILLING

CORE DIAMETER: HQ
DATE STARTED: 29-Jul-10
DATE COMPLETED: 06-Aug-10
CAPPED: Y
CASING: Y
UNITS: METRIC: X IMPERIAL:

HOLE OBJECTIVE: Northwest strike extension of the Cardiac Creek deposit targeting the 1000-1200m elevation range.

HOLE SUMMARY: NOTE: Magnetic Declination is 20.78 degrees east

Hole Drilled through prospective Gunsteel formation from 0-179.75m at 179.75-200m the drill hole intercepted highly concentrated nodular barite with massive bedded barite and laminiated pyrite. The following lithology consisted of a laminated siltstone with some seconday Fragmental units within the Gunsteel shale until 301.07m from 301.07-456.86 is a near featureless black mudstone, Gunsteel shale, which ends in a large fault zone nearly 100m long. Litho ends in a silty mudstone Non-Typical Road River Group from 456.85-533m.

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-72	5	46.7	41.7	Gunsteel shale with Weakly developed nodular Barite	First 10m of the hole displays a pervasive limonitic staining along cleavage and fracture planes core is moderately fractured and blocky. Main litho is moderately competent, black, vfg, carbonaceous, variably siliceous mudstone with dull white fine grained disseminated to bedded nodular barite. The nodular bar appears to be finely disseminated displaying a brassy py replaced center and are variably calcareous with sections of fine grained laminated nodular barite up to 40.17m, Bedding is difficult to determine. At 40.17-46.70 nodular barite is pervasive displaying mm white-gray nodules variably calcareous elongated along cleavage with a visible bedding plane. Possible gradational change from finely disseminated to weakly bedded at 20.28 to well developed bedded nodular barite at 40.17-46.70m, >10cm dark-gray calcareous concretions exhibiting a mottled core +/- shrinkage fractures +/- fine grained brassy disseminated py replacement are associated with the weakly bedded-well developed nodular barite. La 1m of the unit displays Finely laminated limy beds being replaced by fine grained cubic brassy py unit ends abruptly in a 15cm calc-sil shear vein.	4SH	4BSH	GSF
				continued	From 19.38-35.81 Large Fault Zone displaying 1m sections of fractured to blocky core and weakly developed fault gouge with 1-2m sections of qtz-cal veining, fault being reactivated then healed- several generations of faulting, 1-2m sections of competent core. Cleavage at 45-65 within Faulted areas 10-30.			
A-10-72	46.7	83.7	37	Silicified Gunsteel shale with large Qtz-cal Vein zones.	Competent core displaying a well polished sheen first 3m are not affected by silicification. At 49.52-49.73m section is almost entirely replaced by disseminated brassy fine grained py in a white mottled calcareous matrix. Main unit is composed of black, vfg, highly siliceous (silicified), carbonaceous mudstone with <2% fine grained disseminated py. Two Large sections of white-translucent gray Qtz-cal (90-10%) veins-veinlets, mm veinlets are throughout unit, at 50.70-53.90 veins are generally oriented at 30-40 to CA with <1% brassy fine grained-cubic disseminated-clustered py at 77.72-80.15 Main vein sits at 0 or 180 to CA contains 1% disseminated beige to reddish brown sphalerite specks. Veins are likely altering the host rock causing the intense silicification as well as remobilizing the py increasing the concentration to <2% +/- fine grained <1cm clusters of py. Within the unit are rare <1-10cm round to ov dark gray to Gray concretions +/- calcite rimmed and variably calcareous. Two <1m sections of dark-gray to gray variably silty calcareous laminations, 53.90-55.32 and 72.36-72.80, both sections have well defined structural movement at 54.70m at 80 to CA 2cm dextral movement, at 72.36 at 35 to CA 2cm	4SH		GSF
				continued	Two unconformable sections of siliceous yet strongly calcareous >20cm lithic fragments inter-laminated with brassy vfg py and silty calcareous laminations which are being brecciated by light gray carbonate veinlets at 66.08-66.62 and 69.36-69.93, (Possible small debris flow or structurally active period?).			
A-10-72	83.7	95.96	12.26	Gunsteel shale with inter-laminated Siltstone beds and weak associated nodular barite	First 1m of unit contains several black to dark gray calcareous round calcite rimmed concretions ending in a 7cm shear vein after the shear vein prominent silty beds are observed, within main litho no concretions are visible. Competent, black, vfg, carbonaceous mudstone with disseminated brassy fg py interlaminated with variably calcareous siltstone beds. Siltstone beds are gray-light gray with associated weak py replaced center mm white nodular barite (Possibly?). Two unique structures are visible within unit at 88.48 at 15 to CA 2cm sinstral movement and located at 93.11 within silty laminations are well developed Flame structures (SWEET!) indicating tops uphole. Gradational contact decreasing down hole, silty beds become faint and discontinuous after 95m.	4SS	4BSH	GSF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-72	95.96	132.99	37.03	Gunsteel shale	Moderately competent, black, vfg, carbonaceous variably siliceous mudstone with <2% disseminated vfg-fine grained brassy py. Between 117.70-118.63m are three >20cm dark gray calcareous concretions with py replaced rims +/- shrinkage fractures, Several >10cm concretion throughout unit spaced 2-6m similar to previously mentioned. Rare, <1%, white-translucent white <1cm qtz-cal veinlets with >4 different or orientations +/- disseminated brassy py mineralization. Dominant cleavage is at 45-50 to C Slight increase in disseminated py with associated calcite, gradational contact with next unit where disseminated py+cal is pervasive throughout.	4SH		GSF
A-10-72	132.99	154	21.01	Fine grained to <5cm Fragmental in Gunsteel shale with rare Nodular barite beds.	Competent black, vfg, carbonaceous, variably siliceous mudstone with white variably calcareous disseminated-weakly laminated fine grained mm spec's increasing in size down hole from 132.99-143, gradational contact, disseminated specks have py replaced centers. After 143m are pervasive <2cm weakly laminated-bedded <5cm, generally <1cm, sub-rounded to angular white-gray calcareous lithic fragments +/- py replacement +/- inter-laminated (Possibly limestone) separated by >5cm black mudstone beds, containing rare laminated py replaced dull brown- brassy nodular barite at 145.14 increasing concentration to end of unit. Within unit are rare <10cm dark gray calcareous concretions with a thin calcite rim. Dominant cleavage at 45-50.	4FSH	4BSH	GSF
A-10-72	154	161	7	Nodular barite with inter-laminated fain py laminations	Moderately competent, black, vfg, carbonaceous variably siliceous mudstone with beds of nodular bari inter-laminated vfg faint dull brown py lamination with associated light gray silty laminations with fine grained py replacement. Laminated barite sections are >5cm interlaminated with black mudstone these beds are separated by <1m mudstone inter-laminated with <1cm faint dull brown-brassy py laminations with associated <1cm dark gray variably calcareous silty laminations replaced by fine grained py, these sections are <10cm. Py lams often contain elongated globular <4cm +/- internally fractured calcite filled concretions? Rare 10cm dark gray concretions +/- shrinkage fractures and +/- calcite rimmed. Unit contains sections of <30cm veining relatively conformable to cleavage. Dominant cleavage at 50-55 to CA.	4BSH		GSF
A-10-72	161	174.97	13.97	Laminated Py with Nodular Barite	First 4m of the unit contains Fault related calc-sil (60/40%) veinlets which contain mm specks of whitish beige sphalerite, veins are generally 40-45 to CA with several generations of veining, cross-cutting and lateral veins. From 165.22-169.26 host rock has been altered to a soft, scratches easily with nail, light bluish gray and is moderately calcareous with secondary brassy fine grained cubic disseminated py <2%. Host rock is a competent, black, carbonaceous, variably siliceous mudstone inter-laminated with py lams and nodular barite. Mineralized sections are 5-20cm of laminated mm dull brown-brassy py and white py replaced 2-4mm elongated along cleavage nodular barite these beds, inter-laminated with blac mudstone. These mineralized sections are separated by 0.5-1m sections of black mudstone with faint mm dull brown py lam inter-laminated with rare silty lams being replaced by fg brassy py also contains scattered <1-5cm, typically <2cm, dark gray calcareous py rimmed +/- calcite rimmed concretions.	4PYSH		GSF
A-10-72	174.97	179.75	4.78	Gunsteel shale	Competent black, vfg, carbonaceous, variably siliceous mudstone with round to oval <5cm, generally <1cm, dark gray calcareous concretions. Concretions display +/- a; Pyritized core with a pyritized rim, calcite rim and internal py replacement or both. Located at 179.5 is a <5cm septarian concretions. Dominant cleavage at 40-45 to CA.	4SH		GSF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-72	179.75	190.42	10.67	Laminated Py with Globular Calcareous Concretions	Competent black, vfg, carbonaceous, variably siliceous mudstone. Hosting visible successions of 20-50cm gray silty laminated beds which transition to 10cm-1m mineralized laminated py with nodular bari containing <4cm globular concretions. Mineralized beds increase in concentration down-hole globular concretions increase as well. The silty beds are inter-laminated with mm black shale beds are calcareo and laminations have been 20% replaced by fine grained brassy cubic py. Mineralized beds contain <1cm laminations of dull brown vfg brassy py inter-laminated with <1cm black mudstone, associated wi py lams are <4cm, typically 1cm dark gray iridescent globular calcareous concretions (Py lams often wrap around/over lay concretions). Last 60cm of unit is barren shale which then ends in an unconformity commencing the next unit. Dominant cleavage at 45 to CA.	4PYSH		GSF
A-10-72	190.42	200	9.58	Massive bedded-nodular barite + laminated with globular concretions	Competent siliceous core exhibiting a polished sheen. The start of the unit 190.42-194.3m contains massive brassy laminated py (60%) inter-laminated with nodular barite associated with these beds are dark gray <5cm globular concretions exhibiting an iridescent sheen +/- weak internal py replacement. After 194.3 are pervasive 1-5mm white calcareous nodular to weakly bedded barite inter-laminated with 1-5mm black carbonaceous vfg mudstone associated with mineralized beds are <10cm, typically <2cm, dark gray elongated globular concretions same as previously mentioned. At 198m the nodular barite decreases in concentration the shale inter-beds become larger 1-3cm and light gray to brassy calcareous silty laminations with secondary fine grained brassy py increase in concentration transitioning into the next unit, 4SS with secondary py. Black to dark gray barren silicified mudstone sections from 194.83-195.43m. No apparent cleavage is visible within 4MBSH in the prior unit the cleavage was at 45 to CA in the 4SS unit the cleavage is at 145 to CA, Cleavage flipped.	4MBSH	4MPSH	GSF
A-10-72	200	248.7	48.7	Silty Laminations with associated secondary fine grained py	Gradational change from previous unit into pervasive silty laminations with fine grained py inter-laminated with black carbonaceous mudstone. Entire unit is moderate-strongly silicified displaying a well polished sheen throughout. The <1cm dark gray-black moderately calcareous silty laminations are being replaced by (60-80%) secondary fine-grained to vfg brassy py within the unit are 2-3m spaced 1-4cm light gray silty-limy mud with up to 30% vfg brassy py replacement. Located at 239.17-239.55 is a large light gray inter-laminated silty limy mudstone with 10% vfg disseminated py replacement. Silty laminations appear to demonstrate grading to fine grained granular texture within some beds, too fine grained to positively identify tops (Probable tops uphole?). Rare sub-rounded <4cm silty lithic fragments difficult to determine tops.	5SS		PRF
A-10-72	248.7	256.79	8.09	Fragmental/Debris flow hosted in carbonaceous mudstone with sections of Laminated siltstone	Competent black, vfg, carbonaceous mudstone with angular to sub-rounded lithic fragments. Fragments are <5cm, generally <2cm, consisting of; fine grained sandstone, inter-laminated siltstones, black carbonaceous mudstone with laminated py, rare fossiliferous limestone fragments and some fragments are entirely replaced by massive brassy py. Within the fragmental are <1cm calcareous dark-gray disrupted beds (offset, squished and rotated). Fragmental sections are separated by two laminated siltstone beds, see previous unit, at 249.58-250m and 250.66-251.42m. Fragments have been weakly elongated along cleavage 145 to CA.	5BXLS		PRF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-72	256.79	282.96	26.17	Silty Laminations with associated secondary fine grained py	Competent pervasive silty laminations with fine grained py inter-laminated with black carbonaceous mudstone. Entire unit is moderately siliceous displaying a well polished sheen throughout. The <1cm dark gray-black moderately calcareous silty laminations are being replaced by (60-80%) secondary fine-grained to vfg brassy py within the unit are 2-3m spaced 3-10cm light gray silty-limy mud with up to 30% vfg brassy py replacement. Located at 267.67-268.57 and 271.80-273.19 are light gray inter-laminated silty limy mudstone with 10% vfg disseminated brassy py replacement, both beds contain <2cm angular black-dark gray mudstone/siltstone lithic fragments (<5%). Silty laminations appear to demonstrate grading to fine grained granular texture within some beds, too fine grained to positively identify tops (Probable tops uphole?). Gradational lower contact siltstone to semi-barren black carbonaceous mudstone.	5SS		PRF
A-10-72	282.96	285.54	2.58	Pyritized silt beds transitioning to discontinuous, pyritic silt beds and fragmental debris flow.	Silty laminations replaced by fine grained, brassy, yellow Py interbedded with discontinuous, brecciated, cm thick, pyritized silt beds and zones of fragmental debris flow containing angular, pebble sized clasts of dark black mudstone and medium grey siltstone, hosted within siliceous, carbonaceous, black mudstone. This zone represents a gradational contact with the following unit, showing the transition from pyritized silty laminations to cm thick discontinuous silt beds and fragmental debris flow. The discontinuous, brecciated siltstone beds are randomly oriented with some being rectangular, bedded clasts with Py replacement and some being lenticular blebs. The fragmental debris flow consists of 2-40mm sized angular to sub-angular clasts within a mudstone matrix and displaying no grading.	5SS	5BXLS	PRF
A-10-72	285.54	301.07	15.53	mudstone with irregular pyritic clusters interbedded with fragmental debris flow	Competent, siliceous, carbonaceous mudstone with a strong, pervasive secondary cleavage parallel to CA. The unit hosts py replaced siltstone clusters, cm thick rectangular, deformed and brecciated, Py replaced siltstone beds as well as lenticular siltstone beds the have also been replaced by Py; interbedded with fragmental debris flow containing sub mm to cobble sized angular, dark black mudstone and medium grey siltstone clasts. Debris flow beds are 20-120cm thick, with a dark black, mudstone matrix and display no grading and no flow direction within beds. The discontinuous, brecciated siltstone beds are randomly oriented with some being rectangular, bedded clasts with Py replacement and some displaying deformation, while others are lenticular, pyritized blebs. From 287.0-287.71m there is a zone of core displaying a well polished sheen that has been highly silicified. An angular unconformity at 299.4m marks the beginning of a clast dominated debris flow zone characterized by angular to sub angular, 2-30mm sized, dark black mudstone and medium grey siltstone clasts within a matrix that has been replaced by bright, brassy, yellow Py and some fractures infilled with carbonate.	5SH	5BXLS	PRF
				continued	The end of the Py replaced debris flow at 300.55m is also anangular unconformity, leading back into gunsteel with discontinuous, bedded, py replaced siltstone clasts.			

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-72	301.07	456.86	155.79	mudstone with irregular pyritic clusters	Siliceous, carbonaceous, dark black, very fine grained mudstone containing scattered white carbonate clusters that have been almost entirely replaced by fine grained brassy-brown Py, semi laminated. There is a strong pervasive secondary, possibly primary?, cleavage throughout the unit that generally parallels the CA. Scattered throughout the unit are sub mm white quartz, carb veinlet zones that are generally oriented parallel to CA and contain minor bright, brassy yellow Py. From 313.16-314.41m there is a healed fault with quartz, carb filling the fractures, and containing minor bright brassy yellow Py. Located at 347.74-348.63m and 395.86-389.51 are two sections of dark grey inter-laminated calcareous siltston beds, 20 to CA, with minor brassy yellow Py (possibly a boulder??), but display a gradational lower contact and unconformable upper contact. Within unit are scattered dark-gray granular vfg sandy-silty discontinuous beds <2cm often demonstrating movement along cleavage plane at 0-5 to CA. At 424.75-464.98 is a large highly fractured fault zone (Thrust zone)	5SH		PRF
				continued	with moderately developed fault gouge with a nice graphitic sheen along cleavage's 0-5 to CA.			
A-10-72	456.86	533	76.14	Dark-gray Calcareous Faulted-fault affected Muddy Siltstone	Highly broken fractured core with large sections of fault gouge with pervasive irregularly orientated dilation veins and small <20cm sections of competent core up to 510.17. Core becomes competent exhibiting alternating dark gray-light gray calcareous to variably calcareous <5cm inter-laminated/bedded silty mudstone with minor vfg brassy py replaced beds. Mudstone beds often demonstrate a structural c set at 515.80 4cm dextral movement and at 529.29m 10cm dextral movement (These movements can be reversed cores proper orientation was difficult to determine). From 514.49-523.48m section contains qtz-cal dilation veinlets and <20cm brecciated sections with <3cm angular host litho fragments. Located at 457.21-461.87 is a light gray to dark gray highly calcareous and silicified alteration zone with extensi dilation veins up to 3cm wide with no visible sulphides generally oriented at 65 to CA.Not your Typical Road River Group (Silty Mudstone).	6SS		RRG
					END OF HOLE			

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	ALT	INTENSITY
A-10-72	55.57	58.54	2.97	Light gray highly silicified core with a distinct polished sheen associated with Qtz-cal	SIL	90
A-10-72	76.85	80.56	3.71	Light gray to gray bluish highly silicified core with a distinct polished sheen associated with Qtz-cal veins.	SIL	90
A-10-72	165.22	169.26	4.04	Host rock has been altered to a soft, scratches easily with nail, light bluish gray and is moderately calcareous with secondary brassy fine grained cubic disseminated py <2%.	Carb	40
A-10-72	281.11	282.18	1.07	Core has a well polished sheen and has been highly silicified.	SIL	90
A-10-72	287	287.71	0.71	Core has a well polished sheen and has been highly silicified.	SIL	90
A-10-72	320	323.4	3.4	Core has a well polished sheen and has been highly silicified.	SIL	90
A-10-72	457.21	461.8	4.59	Light gray Silica and Carbonate altered host rock with dilation veins	SIL+CARE	90

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	PY %	SP %	GA %	BA %	CP %	PO %
A-10-72	5	46.7	41.7	Nodular barite appears to be finely disseminated displaying a brassy py replaced center and are variably calcareous with sections of fine grained laminated nodular barite up to 40.17m. At 40.17-46.70 nodular barite is pervasive displaying mm white-gray nodules variably calcareous elongated along cleavage with a visible bedding plane. Possible gradational change from finely disseminated to weakly bedded at 20.28 to well developed bedded nodular barite at 40.17-46.70m. Highly concentrated <2cm nodular barite beds at 43.36-44m with associated veining containing reddish brown-beige speckled sphalerite	1	tr		5		
A-10-72	154	161	7	beds of nodular barite inter-laminated vfg faint dull brown py lamination with associated light gray silty laminations with fine grained py replacement. Laminated barite sections are >5cm interlaminated with black mudstone these beds are separated by <1m mudstone inter-laminated with <1cm faint dull brown-brassy py laminations with associated <1cm dark gray variably calcareous silty laminations replaced by fine grained py, these sections are <10cm.	1			2		
A-10-72	161	174.97	13.97	First 4m of the unit contains Fault related calc-sil (60/40%) veinlets which contain mm specks of whitish beige sphalerite. Mineralized sections are 5-20cm of laminated mm dull brown-brassy py and white py replaced 2-4mm elongated along cleavage nodular barite these beds, inter-laminated with black mudstone. These mineralized sections are separated by 0.5-1m sections of black mudstone with faint mm dull brown py lam inter-laminated with rare silty lams being replaced by fg brassy py.	5	tr		2		
A-10-72	179.75	190.26	10.51	Mineralized beds are 10cm-1m containing laminated py with nodular barite, inter-laminated with mm black shale, increases in concentration down-hole. Mineralized beds contain <1cm laminations of dull brown vfg brassy py inter-laminated with <1cm black mudstone and white to gray 1-4mm nodular barite.	10			5		
A-10-72	190.42	200	9.58	The start of the unit 190.42-194.3m contains massive brassy laminated py (60%) with inter-laminated nodular barite (30%). After 194.3m are pervasive 1-5mm white calcareous nodular to weakly bedded barite inter-laminated with 1-5mm black carbonaceous vfg mudstone throughout.	35			40		
A-10-72	200	248.7	48.7	Silty lamination with fine grained-vfg secondary brassy py.	5					
A-10-72	256.79	282.96	26.17	Silty lamination with fine grained-vfg secondary brassy py.	5					

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-72	20.8	21	0.2	<3cm dull white <4cm spaced calc-sil veinlets at 30 to CA.	25	30
A-10-72	26.64	23.8	-2.84	Fault related calc-sil veins. White-dull white calc-sil veins are 1-5cm generally orientated at 30-45 to CA ,no visible mineralization, few cross-cutting veinlets.	60	30-45
A-10-72	25.43	28.1	2.67	Fault related calc-sil veins. White-dull white Qtz-cal (70-30%) veins 1-10cm generally <1cm. Veins oriented at 20-40 to CA. At 26.46-24.69 veins are at 180 to CA. Veins Show indication of off-setting hard to determine specific direction. Clustered fine grained brassy cubic py mineralization associated with fault zone at 26.71m.	60	20-40
A-10-72	28.95	30.52	1.57	Fault related calc-sil veins. White-dull white calc-sil veins are 1-5cm generally orientated at 10-30 to CA ,no visible mineralization, few cross-cutting veinlets.	15	10-30
A-10-72	33.1	33.26	0.16	2cm White-Translucent gray 60/40 Qtz-cal vein no visible mineralization.	80	20
A-10-72	33.56	34.06	0.5	Massive bull qtz+ 5% cal vein no visible mineralization. Within vein are mm black stylolites	90	25
A-10-72	34.77	35.3	0.53	Fault related Qtz-cal vein at 10-15 to CA. Display a graphitic sheen along partings . Within vein are mm black stylolites.	80	10-15
A-10-72	35.62	35.81	0.19	Shear Vein. Finely Inter-laminated mm white-gray veinlets at 40-60 to CA. Associated fault gouge along partings	70	40-60
A-10-72	43.59	44.27	0.68	<2cm White-Translucent gray 60/40 Qtz-cal 20cm spaced veins with visible reddish brown-beige speckled sphalerite.	10	80-90
A-10-72	46.42	46.81	0.39	Shear vein. Inter-laminated qtz-cal vienlets with black mm stylolites and trace brassy cubic py mineralization.		
A-10-72	50.7	53.9	3.2	White to translucent gray Qtz-cal (90/10%) veins- veinlets with <1% disseminated to clustered fine grained brassy cubic py. Several generations of veining, veins generally conformable to cleavage 30-45 to CA. At 52m is a small 10cm fold uphole at 30 to CA down hole at 150 to CA. at 52.23 and 52.32 are two parallel shears at 50 to CA with <1cm stepped lateral veinlets at 10 to CA within shears.	60	30-40
A-10-72	55.32	55.57	0.25	white-gray mm qtz-cal stringers at 45 to CA with lateral veinlets at 5 to CA.	15	45
A-10-72	56.05	56.1	0.05	White to translucent gray <2cm Qtz-cal (90/10%) veins at 110 intensely silicifying the host rock to a light gray colouration.	60	110
A-10-72	59.18	59.8	0.62	White-gray mm qtz-cal stringers at 45 to CA with lateral veinlets at 5 to CA.		
A-10-72	77.72	80.15	2.43	Large Qtz-cal vein (70/30%) at 77.72 15 to CA at 78.72 0 or 180 to CA with lateral veinlets at 160 to CA, veins brecciate the host rock. Veins host <1% disseminated specks of reddish brown to beige sphalerite. Vein is intensely silicifying host rock to a light gray to off blue colouration.	60	
A-10-72	100.7	100.83	0.13	Light gray healed fault section with consolidated fault gouge. Contains secondary minor dull brown brassy py.	60	45
A-10-72	104.31	104.4	0.09	Qtz-carb (20/80%) Shear vein orientated at 90 to CA. 2-5 cm host rock angular clasts with veining. Contains trace honey brown sphalerite. There are sub-mm extensional veinlets.	90	90
A-10-72	109.3	109.7	0.4	2cm White-Translucent gray 60/40 Qtz-cal vein with brassy disseminated clusters of py mineralization and elongated fragments of host. At the end of the section are 1-4mm stringer veinlets generally oriented at 140 to CA.	10	140
A-10-72	111.21	112.09	0.88	Stringer veinlet zone 1-4mm qtz-carb generally orientated at 55 to CA with cross cutting veinlets. Contains minor clusters of brassy py.	2	55

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-72	113.63	114.05	0.42	Stringer veinlet zone 1-4mm qtz-carb generally orientated at 125 to CA with cross cutting veinlets. Contains minor clusters of brassy py.	2	125
A-10-72	122.44	122.89	0.45	<1cm Stringer veinlet zone white-translucent white qtz-carbonate with trace scattered clusters of bright brassy py. Oriented at 55 to CA.	2	55
A-10-72	136.07	136.5	0.43	<0.5cm white calcareous qtz-cal <5cm spaced veinlets at 55 to CA.	4	55
A-10-72	139.9	140.15	0.25	white variably calcareous micro veinlets at 120 to Ca with a 1cm qtz-cal vein, no visible mineralization.	5	120
A-10-72	154.5	154.55	0.05	Shear qtz-cal (80/20%) vein brecciating the host rock contains <1cm angular lithic fragments. Vein at 70 to CA.	70	70
A-10-72	157.11	157.22	0.11	Laminated qtz-cal (80/20%) veins, shear vein, generally at 65 to CA with irregular stringers veins.	70	65
A-10-72	158.56	158.75	0.19	Two 2cm qtz-cal (80/20%) veins at 25 and 70 to CA, both contains visible specks to clusters of whitish beige sphalerite <1%.	5	
A-10-72	158.97	159.36	0.39	Micro stringer veinlets with several different generations cross-cutting and lateral veinlets. Veins are composed of white qtz-cal (70/30%).	10	
A-10-72	160.92	165.64	4.72	Large fault related vein zone, area of healing and reactivation. Several generations of veining dominant orientation at 45 to CA with pervasive irregular cross-cutting veinlets, some lateral veins at 15 to CA. Veins are white to translucent gray composed of qtz-cal (80/20%) with <1% speck-clusters of beige to honey brown sphalerite (When first observed sphalerite was a whitish gray, honey brown colour due to oxidation?)	50	45
A-10-72	166.1	167.56	1.46	white-translucent gray qtz-cal veinlets (60/40%) three main orientations 40, 75, 30 to CA with irregular cross-cutting veinlets. No visible mineralization	20	
A-10-72	171.3	172.43	1.13	Three main generations of veining 1st gen inter-laminated shear veins at 90-100 to CA which are then off-set at 30 to CA +/- veinlets with a 1cm sinstral movement these veinlets are then offset by at a 40 to CA cleavage +/- veinlets demonstrating a <1cm dextral movement with associated dilation fractures. Or one main movement causing a crackle texture with dilations fractures. Composition (80/20%) qtz-cal veinlets with no visible mineralization.	15	
A-10-72	201.5	201.7	0.2	Laminated qtz-cal (80/20%) veins, shear vein, oriented at 65 to CA with irregular stringers veins at the lower contact. Contains mm specks of honey brown-beige sphalerite in trace amounts.	80	65
A-10-72	309.14	309.6	0.46	Sub mm qtz/carb veinlets generally oriented parallel to CA and cleavage and containing minor amounts of brassy Py	2	0
A-10-72	313.16	314.41	1.25	Randomly oriented qtz/carb (40%,60%) vein zone bordering a fault zone and containing mm to 3cm thick, angular clasts of host rock mudstone as well as solidified gouge. Rare brassy cubic Py within vein material.	2	
A-10-72	317.82	319.3	1.48	The beginning of the vein zone is marked by a 2cm thick qtz, carb vein oriented at 20 degrees to CA and containing 1-20mm sized, angular, host rock mudstone clasts. The rest of the vein zone is characterized by sub mm qtz/carb veinlets generally oriented parallel to CA and cleavage and containing minor amounts of brassy Py	2	0
A-10-72	356.35	356.57	0.22	White-gray qtz-carb dilation veinlets with a general orientation at 50 to CA	10	50
A-10-72	378.6	378.76	0.16	White to gray mm qtz-carb dilation veinlets at 45 to CA with lateral veinlets at 5 to CA.	20	45

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-72	464.98	510.19	45.21	Large zone of irregularly scattered micro to 1cm dilation veinlets associated with faulting.	10	
A-10-72	513.72	513.94	0.22	4cm Cal-sil vein (60/40%), no visible mineralization	90	155
A-10-72	514.49	523.48	8.99	Section contains white-translucent qtz-cal (60/40%) dilation veinlets and <20cm brecciated sections with <3cm angular host litho fragments. Dominantly oriented at 15 to CA.	10	15

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-72	8	8.01	0.01	Cleavage	CLV	55
A-10-72	11.26	11.27	0.01	Cleavage	CLV	55
A-10-72	12.36	12.37	0.01	Cleavage	CLV	60
A-10-72	14	14.01	0.01	Cleavage	CLV	50
A-10-72	17.15	17.16	0.01	Cleavage	CLV	60
A-10-72	19.38	22.28	2.9	Soft Poker chip core with moderately developed fault gouge along cleavage displaying a graphitic sheen. At 60-65 to CA.	FLT	60
A-10-72	21.12	21.13	0.01	Cleavage	CLV	40
A-10-72	22.9	23.9	1	Fractured to blocky core with weakly developed fault gouge along cleavage and fracture planes. Few <1cm calc-sil veinlets parallel to cleavage. Cleavages display a graphitic sheen.	FLT	20-45
A-10-72	24.06	24.07	0.01	Cleavage	CLV	45
A-10-72	26.54	26.71	0.17	Fracture core with weakly developed fault gouge along cleavages nice graphitic sheen along partings.	FLT	
A-10-72	27.19	27.2	0.01	Cleavage	CLV	45
A-10-72	29	29.01	0.01	Cleavage	CLV	40
A-10-72	29.08	30.4	1.32	Well developed 20 section of fault gouge with fractured to blocky core and associated qtz-cal veinlets parallel to cleavage at 30 to CA. Cleavage Displays a nice graphitic sheen.	FLT	10-30
A-10-72	30.52	30.53	0.01	Cleavage	CLV	35
A-10-72	31.2	32.2	1	Fractured/rubbly core with weakly developed fault gouge along cleavages with a nice graphitic sheen along partings.	FLT	10-30
A-10-72	32.25	32.26	0.01	Cleavage	CLV	35
A-10-72	34.15	35.81	1.66	Fractured core breaking along cleavage. Cleavage Displays weakly developed fault gouge and well developed graphitic sheen. Associated qtz-cal veinlets parallel to cleavage at 10 to CA.	FLT	10
A-10-72	36.29	36.3	0.01	Cleavage	CLV	50
A-10-72	38.22	38.23	0.01	Cleavage	CLV	65
A-10-72	39.48	39.49	0.01	Cleavage	CLV	65
A-10-72	40.9	40.91	0.01	Cleavage	CLV	60

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-72	42.08	42.09	0.01	Nodular barite	BDG	58
A-10-72	43.36	43.37	0.01	C fabric at 20 to CA with S fabric exhibiting a sinstral movement	CLV	20
A-10-72	43.44	43.45	0.01	Nodular barite	BDG	50
A-10-72	43.75	43.76	0.01	Nodular barite	BDG	45
A-10-72	44.86	44.87	0.01	Cleavage	CLV	45
A-10-72	46.24	46.25	0.01	limy beds replaced by brassy disseminated cubic py.	BDG	70
A-10-72	46.3	46.31	0.01	C fabric at 15 to CA with S fabric exhibiting a sinstral movement		
A-10-72	47.2	47.21	0.01	Cleavage	CLV	40
A-10-72	49.25	49.26	0.01	Cleavage	CLV	55
A-10-72	51.38	51.39	0.01	Cleavage	CLV	50
A-10-72	52.94	52.95	0.01	Cleavage	CLV	25
A-10-72	54.12	54.13	0.01	Cleavage	CLV	45
A-10-72	54.22	54.23	0.01	fine grained silty variably calcareous boudined bed.	BDG	30
A-10-72	54.8	54.81	0.01	Cleavage	CLV	35
A-10-72	54.93	54.94	0.01	dark gray-gray silty laminations with fine grained py replacement.	BDG	25
A-10-72	58.72	58.73	0.01	Cleavage	CLV	40
A-10-72	60.31	60.32	0.01	Cleavage	CLV	35
A-10-72	62	62.01	0.01	Cleavage	CLV	45
A-10-72	63.56	63.57	0.01	Cleavage	CLV	50
A-10-72	65.2	65.21	0.01	Cleavage	CLV	35
A-10-72	67.65	67.66	0.01	Cleavage	CLV	40
A-10-72	68	68.45	0.45	Highly fractured core with moderately developed fault gouge along partings. Cleavages have a graphitic sheen.	FLT	
A-10-72	68.93	68.94	0.01	Cleavage	CLV	50
A-10-72	71.05	71.06	0.01	Cleavage	CLV	45
A-10-72	72.36	72.37	0.01	limy beds replaced by brassy disseminated cubic py.	BDG	32
A-10-72	72.37	72.38	0.01	limy beds replaced by brassy disseminated cubic py displaying 2cm sinstral movement along cleavage plane at 35 to CA.	CLV	35
A-10-72	73.93	73.94	0.01	Cleavage	CLV	35
A-10-72	74.97	74.98	0.01	Cleavage	CLV	35
A-10-72	76.78	76.79	0.01	Cleavage	CLV	25
A-10-72	81.3	81.31	0.01	Cleavage	CLV	22
A-10-72	82.84	82.85	0.01	Cleavage	CLV	35
A-10-72	84.73	84.74	0.01	Cleavage	CLV	45
A-10-72	86.15	86.16	0.01	Silty laminations	BDG	50

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-72	87.81	87.82	0.01	Cleavage	CLV	25
A-10-72	88.06	88.07	0.01	Cleavage	CLV	90
A-10-72	88.48	88.49	0.01	2cm sinstral movement, micro fault	FLT	15
A-10-72	88.79	88.8	0.01	Silty laminations	BDG	90
A-10-72	89.27	89.28	0.01	Cleavage	CLV	25
A-10-72	89.36	89.37	0.01	Silty laminations	BDG	95
A-10-72	89.74	89.75	0.01	Silty laminations	BDG	115
A-10-72	90.21	90.22	0.01	Cleavage	CLV	30
A-10-72	90.43	90.75	0.32	Fractured core with weakly developed fault gouge along partings.	FLT	
A-10-72	90.87	90.88	0.01	Silty laminations	BDG	90
A-10-72	92	92.01	0.01	Cleavage	CLV	50
A-10-72	92.17	92.18	0.01	Silty laminations	BDG	70
A-10-72	92.8	92.81	0.01	Silty laminations	BDG	130
A-10-72	92.98	92.99	0.01	Silty laminations	BDG	75
A-10-72	93.11	93.12	0.01	Flame Structures indicating tops uphole	BDG	125
A-10-72	93.24	93.25	0.01	Silty laminations	BDG	140
A-10-72	93.35	93.36	0.01	Cleavage	CLV	35
A-10-72	93.84	93.85	0.01	Silty laminations	BDG	80
A-10-72	94.11	94.12	0.01	Silty laminations	BDG	50
A-10-72	94.22	94.23	0.01	Silty laminations	BDG	150
A-10-72	94.35	94.36	0.01	Silty laminations	BDG	100
A-10-72	94.51	94.52	0.01	Silty laminations	BDG	160
A-10-72	94.83	94.84	0.01	Silty laminations	CLV	30
A-10-72	94.93	94.94	0.01	Silty laminations	BDG	120
A-10-72	96.9	96.91	0.01	Silty laminations	BDG	90
A-10-72	96.62	97.46	0.84	Fractured rubbly core with minor fault gouge along cleavage.	FLT	
A-10-72	98	98.01	0.01	Cleavage	CLV	40
A-10-72	99.74	99.75	0.01	Cleavage	CLV	35
A-10-72	100.56	102.51	1.95	Fractured to poker chip shale with well developed fault gouge <2cm sections. Silty laminations at 100.95m at 50 to CA cleavage at 50 to CA. Contains a 10cm shear vein at 100.7-100.83m.	FLT	50
A-10-72	104	104.01	0.01	Cleavage	CLV	45
A-10-72	105.43	105.44	0.01	Cleavage	CLV	55
A-10-72	106.45	106.88	0.43	Poker chip to blocky fault with <2cm section of fault gouge.	FLT	45
A-10-72	107	107.01	0.01	Cleavage	CLV	45
A-10-72	108.05	108.06	0.01	Cleavage	CLV	40
A-10-72	110.23	110.24	0.01	Cleavage	CLV	45

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-72	113.25	113.26	0.01	Cleavage	CLV	40
A-10-72	116.36	116.37	0.01	Cleavage	CLV	50
A-10-72	117.23	117.24	0.01	Cleavage	CLV	55
A-10-72	119.34	119.35	0.01	Cleavage	CLV	45
A-10-72	121.05	121.06	0.01	Cleavage	CLV	45
A-10-72	123.6	123.61	0.01	Cleavage	CLV	45
A-10-72	125.57	125.58	0.01	Cleavage	CLV	45
A-10-72	128.56	128.57	0.01	Cleavage	CLV	52
A-10-72	129.47	132.7	3.23	Blocky to poker chip with weakly developed fault gouge along cleavage.	FLT	50
A-10-72	133.92	133.93	0.01	Cleavage	CLV	50
A-10-72	135.35	135.36	0.01	Cleavage	CLV	45
A-10-72	137.38	137.39	0.01	Cleavage	CLV	50
A-10-72	140.15	140.16	0.01	Cleavage	CLV	55
A-10-72	140.31	140.96	0.65	Fractured blocky core with a well developed graphitic sheen along partings with weak fault gouge.	FLT	
A-10-72	141.16	141.17	0.01	Cleavage	CLV	60
A-10-72	143.15	143.16	0.01	Laminated mm calcareous sub-rounded to angular lithic fragments.	BDG	60
A-10-72	143.2	143.21	0.01	Cleavage	CLV	45
A-10-72	143.75	143.76	0.01	Laminated <1cm calcareous sub-rounded to angular lithic fragments.	BDG	50
A-10-72	145.14	145.15	0.01	Py replaced nodular barite	BDG	55
A-10-72	145.68	145.69	0.01	Cleavage	CLV	45
A-10-72	146	146.01	0.01	Cleavage	CLV	50
A-10-72	148.5	148.77	0.27	Poker chip to fractured core with a 5cm section of fault gouge.	FLT	60
A-10-72	149.28	149.29	0.01	Cleavage	CLV	45
A-10-72	150.46	151.32	0.86	.Fault affected core. Blocky to poker chip with weakly developed fault gouge along cleavages.	FLT	50
A-10-72	151.6	151.61	0.01	Cleavage	CLV	45
A-10-72	152.88	152.89	0.01	Cleavage	CLV	60
A-10-72	152.89	152.9	0.01	Silty laminations	BDG	60
A-10-72	153.07	153.09	0.02	Fault gouge	FLT	45
A-10-72	154.7	154.71	0.01	Nodular barite	BDG	75
A-10-72	155.75	155.82	0.07	Fault gouge	FLT	70
A-10-72	156.31	156.32	0.01	Cleavage	CLV	65
A-10-72	158.5	158.51	0.01	Faint laminated dull brown py	BDG	25
A-10-72	158.79	158.85	0.06	Fault gouge	FLT	40
A-10-72	160.35	160.36	0.01	Faint laminated dull brown py	BDG	70
A-10-72	160.72	160.73	0.01	Cleavage	CLV	55

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-72	161.57	163.49	1.92	highly fractured core with moderately developed fault gouge sections up to 20cm. Cleavages have a graphitic sheen. Two cleavage 20 and 55 to CA.	FLT	
A-10-72	165.76	165.77	0.01	Silty laminations with fine grained brassy py	BDG	10
A-10-72	166.74	166.75	0.01	Silty laminations with fine grained brassy py	BDG	10
A-10-72	167.3	167.31	0.01	Silty laminations with fine grained brassy py	BDG	0
A-10-72	167.95	167.96	0.01	Cleavage	CLV	35
A-10-72	168.03	168.04	0.01	Silty laminations with fine grained brassy py	BDG	165
A-10-72	169.4	169.41	0.01	Laminated py with nodular barite	BDG	140
A-10-72	169.7	169.71	0.01	Laminated py with nodular barite	BDG	120
A-10-72	170	170.01	0.01	Cleavage	CLV	20
A-10-72	170.59	170.6	0.01	Laminated py with nodular barite	BDG	110
A-10-72	173	173.01	0.01	Cleavage	CLV	55
A-10-72	173.6	173.61	0.01	Laminated py with nodular barite	BDG	130
A-10-72	174.5	174.51	0.01	Cleavage	CLV	35
A-10-72	174.78	174.79	0.01	Silty laminations with fine grained brassy py. Exhibiting a 1cm dextral movement along beds.	BDG	145
A-10-72	175.33	175.34	0.01	Cleavage	CLV	35
A-10-72	177.06	177.07	0.01	Cleavage	CLV	45
A-10-72	177.14	177.15	0.01	Cleavage	CLV	40
A-10-72	179.58	179.72	0.14	Fractured core with 3cm of fault gouge.	FLT	180
A-10-72	180.29	180.3	0.01	Silty laminations with fine grained brassy py.	BDG	155
A-10-72	182.76	182.77	0.01	Cleavage	CLV	55
A-10-72	183.61	183.62	0.01	Cleavage	CLV	45
A-10-72	184.18	184.19	0.01	Laminated py with nodular barite	BDG	150
A-10-72	186.06	186.07	0.01	Silty laminations with fine grained brassy py.	BDG	155
A-10-72	187.66	187.67	0.01	Laminated py with nodular barite	BDG	140
A-10-72	188.52	188.53	0.01	Cleavage	CLV	40
A-10-72	189.55	189.56	0.01	Massive laminated py with nodular barite	BDG	140
A-10-72	190.09	190.1	0.01	Cleavage	CLV	45
A-10-72	190.61	190.62	0.01	Massive laminated py with nodular barite and globular concretions	BDG	120
A-10-72	192.66	192.67	0.01	Laminated py with nodular barite	BDG	130
A-10-72	193.1	193.11	0.01	Nodular to bedded barite	BDG	115

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-72	194.83	194.84	0.01	Nodular to bedded barite	BDG	100
A-10-72	195.43	195.44	0.01	Nodular to bedded barite	BDG	120
A-10-72	195.98	195.99	0.01	Nodular barite at 90 to CA (Possible fold hinge)	BDG	90
A-10-72	196.11	196.12	0.01	Nodular to bedded barite	BDG	55
A-10-72	196.65	196.66	0.01	Nodular to bedded barite	BDG	55
A-10-72	197.53	197.54	0.01	Nodular to bedded barite	BDG	70
A-10-72	199.15	199.16	0.01	Nodular to bedded barite with inter-laminated silty beds	BDG	65
A-10-72	200.15	200.16	0.01	Silty laminations with fine grained secondary py	BDG	70
A-10-72	203.07	203.08	0.01	Silty laminations with fine grained secondary py	BDG	60
A-10-72	204.91	204.92	0.01	Silty laminations with fine grained secondary py	BDG	50
A-10-72	206.06	206.07	0.01	Silty laminations with fine grained secondary py	BDG	55
A-10-72	206.9	207.02	0.12	fractured core with fault gouge	FLT	140
A-10-72	208.78	208.79	0.01	S2 Cleavage	CLV	145
A-10-72	208.92	208.93	0.01	Silty laminations with fine grained secondary py	BDG	50
A-10-72	209.94	209.95	0.01	S2 Cleavage	CLV	145
A-10-72	210.09	210.1	0.01	Silty laminations with fine grained secondary py	BDG	45
A-10-72	211.4	211.41	0.01	S2 Cleavage	CLV	145
A-10-72	211.84	211.85	0.01	Silty laminations with fine grained secondary py	BDG	40
A-10-72	212.88	212.89	0.01	Cleavage	CLV	45
A-10-72	214.39	214.4	0.01	Silty laminations with fine grained secondary py	BDG	40
A-10-72	215.97	215.98	0.01	Silty laminations with fine grained secondary py	BDG	40
A-10-72	216.47	216.48	0.01	S2 Cleavage	CLV	145
A-10-72	216.88	216.89	0.01	Silty laminations with fine grained secondary py	BDG	40
A-10-72	218.66	218.67	0.01	S2 Cleavage	CLV	145
A-10-72	219.9	219.91	0.01	Silty laminations with fine grained secondary py	BDG	35
A-10-72	221.12	221.13	0.01	Silty laminations with fine grained secondary py	BDG	30
A-10-72	221.41	221.42	0.01	Silty laminations with fine grained secondary py	BDG	60
A-10-72	221.47	221.48	0.01	Silty laminations with fine grained secondary py	BDG	35

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-72	221.67	221.68	0.01	Silty laminations with fine grained secondary py	BDG	30
A-10-72	221.9	221.91	0.01	S2 Cleavage	CLV	150
A-10-72	222.83	222.84	0.01	Silty laminations with fine grained secondary py	BDG	30
A-10-72	224.08	224.09	0.01	Silty laminations with fine grained secondary py	BDG	30
A-10-72	225.05	225.06	0.01	Silty laminations with fine grained secondary py	BDG	30
A-10-72	227.1	227.11	0.01	Silty laminations with fine grained secondary py	BDG	20
A-10-72	227.97	227.98	0.01	Silty laminations with fine grained secondary py	BDG	20
A-10-72	229.21	229.36	0.15	Fracture fault with 3cm of well developed fault gouge.	FLT	
A-10-72	229.82	229.83	0.01	Silty laminations with fine grained secondary py	BDG	25
A-10-72	230.31	230.41	0.1	Fractured blocky core with weakly developed fault gouge.	FLT	
A-10-72	231.56	231.67	0.11	Fractured blocky core with weakly developed fault gouge.	FLT	
A-10-72	231.93	231.94	0.01	Silty laminations with fine grained secondary py	BDG	20
A-10-72	233.1	233.11	0.01	Silty laminations with fine grained secondary py	BDG	15
A-10-72	233.26	233.27	0.01	0.5cm sinstral movement along S2 cleavage	CLV	145
A-10-72	234.3	234.9	0.6	Fractured blocky core with weakly developed fault gouge.	FLT	
A-10-72	235.2	235.21	0.01	Silty laminations with fine grained secondary py	BDG	20
A-10-72	238.26	238.27	0.01	Silty laminations with fine grained secondary py	BDG	30
A-10-72	238.55	238.56	0.01	S2 Cleavage	CLV	120
A-10-72	238.61	238.62	0.01	Silty laminations with fine grained secondary py	BDG	45
A-10-72	238.72	238.73	0.01	Silty laminations with fine grained secondary py	BDG	20
A-10-72	238.88	238.89	0.01	Silty laminations with fine grained secondary py	BDG	10
A-10-72	239.44	239.45	0.01	Light gray silty calcareous laminations	BDG	25
A-10-72	240.18	240.19	0.01	Silty laminations with fine grained secondary py	BDG	20

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-72	242.11	242.12	0.01	Silty laminations with fine grained secondary py	BDG	30
A-10-72	243.68	243.69	0.01	Cleavage	CLV	25
A-10-72	245	245.01	0.01	Cleavage	CLV	25
A-10-72	245.13	245.14	0.01	Silty laminations with fine grained secondary py	BDG	25
A-10-72	245.57	245.58	0.01	Silty laminations with fine grained secondary py	BDG	30
A-10-72	245.9	245.91	0.01	Silty laminations with fine grained secondary py	BDG	30
A-10-72	246.62	246.63	0.01	0.5cm sinstral movement along S2 cleavage	CLV	135
A-10-72	246.74	246.75	0.01	Silty laminations with fine grained secondary py	BDG	20
A-10-72	246.87	246.88	0.01	Silty laminations with fine grained secondary py	BDG	40
A-10-72	247.18	247.19	0.01	Cleavage	CLV	45
A-10-72	248.13	248.14	0.01	Silty laminations with fine grained secondary py	BDG	40
A-10-72	250.79	250.8	0.01	Silty laminations with fine grained secondary py	BDG	25
A-10-72	250.88	250.89	0.01	Silty laminations with fine grained secondary py	BDG	90
A-10-72	250.9	250.91	0.01	Light gray silty calcareous laminations	BDG	105
A-10-72	251.05	251.06	0.01	Light gray silty calcareous laminations	BDG	130
A-10-72	251.15	251.16	0.01	Light gray silty calcareous laminations	BDG	180
A-10-72	251.42	251.43	0.01	Light gray silty calcareous laminations	BDG	40
A-10-72	254.1	254.11	0.01	Silty laminations with fine grained secondary py	BDG	45
A-10-72	254.33	254.34	0.01	S2 Cleavage	CLV	145
A-10-72	256.94	256.95	0.01	Silty laminations with fine grained secondary py	BDG	50
A-10-72	257.01	257.02	0.01	Light gray silty calcareous laminations	BDG	60
A-10-72	257.2	257.21	0.01	Light gray silty calcareous laminations	BDG	170
A-10-72	257.32	257.33	0.01	Light gray silty calcareous laminations	BDG	45
A-10-72	259.82	259.83	0.01	Silty laminations with fine grained secondary py	BDG	40

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-72	261.67	263.16	1.49	Fractured blocky core with a 40Cm section of intensely fracture core with fault gouge. <20cm sections of competent core.	FLT	
A-10-72	264.75	264.76	0.01	Silty laminations with fine grained secondary py	BDG	75
A-10-72	266.25	266.26	0.01	Silty laminations with fine grained secondary py	BDG	45
A-10-72	266.48	266.49	0.01	S2 Cleavage	CLV	130
A-10-72	267.67	267.68	0.01	Light gray silty calcareous laminations	BDG	40
A-10-72	269.18	269.19	0.01	Silty laminations with fine grained secondary py	BDG	40
A-10-72	271.68	271.69	0.01	S2 Cleavage	CLV	135
A-10-72	271.73	271.74	0.01	Silty laminations with fine grained secondary py	BDG	40
A-10-72	274.58	274.59	0.01	Silty laminations with fine grained secondary py	BDG	47
A-10-72	274.7	274.71	0.01	Silty laminations with fine grained secondary py	CLV	150
A-10-72	275.84	275.85	0.01	Silty laminations with fine grained secondary py	BDG	40
A-10-72	276.82	276.83	0.01	S2 Cleavage	CLV	155
A-10-72	277.9	277.91	0.01	Silty laminations with fine grained secondary py	BDG	45
A-10-72	278.83	278.84	0.01	Silty laminations with fine grained secondary py	BDG	50
A-10-72	279.3	279.31	0.01	S2 Cleavage	CLV	150
A-10-72	280.65	280.66	0.01	Silty laminations with fine grained secondary py	BDG	40
A-10-72	282.96	282.97	0.01	Silty laminations with fine grained secondary py	BDG	40
A-10-72	284.08	284.09	0.01	Silty laminations with fine grained secondary py	BDG	45
A-10-72	284.58	284.84	0.26	Fractured blocky core with minor fault gouge.	FLT	
A-10-72	285.54	285.55	0.01	Silty laminations with fine grained secondary py	BDG	50
A-10-72	285.9	285.91	0.01	Cleavage	CLV	45
A-10-72	286.48	286.7	0.22	Fractured blocky core with minor fault gouge.	FLT	
A-10-72	289.69	289.7	0.01	Cleavage	CLV	30
A-10-72	291.76	291.77	0.01	Cleavage	CLV	20
A-10-72	292.31	292.32	0.01	Cleavage	CLV	25

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-72	292.49	293.54	1.05	Fault zone characterized by blocky, rubbly core with some rubble chunks displaying graphitic partings along cleavage and fracture planes	FLT	
A-10-72	293.54	293.55	0.01	Cleavage	CLV	30
A-10-72	295.2	295.28	0.08	Minor fault containing fractured, blocky, rubbly core.	FLT	
A-10-72	296.66	296.67	0.01	Cleavage	CLV	30
A-10-72	297.4	297.41	0.01	Cleavage	CLV	25
A-10-72	303.61	303.62	0.01	Cleavage	CLV	20
A-10-72	306.57	306.58	0.01	S2 Cleavage	CLV	0
A-10-72	307.16	307.17	0.01	S2 Cleavage	CLV	15
A-10-72	307.64	307.94	0.3	Minor fault zone characterized by blocky, rubbly core	FLT	
A-10-72	309.36	309.37	0.01	S2 Cleavage	CLV	0
A-10-72	310.28	310.29	0.01	S2 Cleavage	CLV	10
A-10-72	312.52	312.53	0.01	S2 Cleavage	CLV	20
A-10-72	313.2	314	0.8	Fault zone that's been healed along the edges by qtz/carb veining and contains blocky, rubbly core with graphitic partings along cleavage planes. Additionally, there are sections of consolidated gouge.	FLT	
A-10-72	315.25	315.26	0.01	Cleavage	CLV	40
A-10-72	316.06	316.07	0.01	S2 Cleavage	CLV	0
A-10-72	316.91	316.92	0.01	S2 Cleavage	CLV	0
A-10-72	320.69	320.7	0.01	S2 Cleavage	CLV	15
A-10-72	323	323.01	0.01	S2 Cleavage	CLV	15
A-10-72	329.46	329.47	0.01	S2 Cleavage	CLV	5
A-10-72	332.96	333.15	0.19	Fault zone characterized by blocky, rubbly core with some rubble chunks displaying graphitic partings along cleavage and fracture planes and with some associated gouge.	FLT	
A-10-72	335.55	335.56	0.01	S2 Cleavage	CLV	0
A-10-72	338.21	338.22	0.01	S2 Cleavage	CLV	5
A-10-72	339.62	339.76	0.14	Minor fault with blocky rubbly core and minor gouge	FLT	
A-10-72	342.07	342.08	0.01	S2 Cleavage	CLV	5
A-10-72	344.25	344.26	0.01	S2 Cleavage	CLV	5
A-10-72	347.81	347.82	0.01	S2 Cleavage	CLV	15
A-10-72	349.86	349.87	0.01	S2 Cleavage	CLV	7
A-10-72	353.32	353.33	0.01	S2 Cleavage	CLV	5
A-10-72	358.65	358.66	0.01	S1 Cleavage	CLV	35
A-10-72	360.11	360.12	0.01	S1 Cleavage	CLV	35

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-72	364.5	364.51	0.01	Silty laminations with py replacement. 145 to CA or 45 to CA.	BDG	145
A-10-72	364.96	364.97	0.01	S2 Cleavage	CLV	0
A-10-72	365.49	365.5	0.01	S1 Cleavage	CLV	30
A-10-72	367.27	367.28	0.01	S2 Cleavage	CLV	2
A-10-72	369.12	369.13	0.01	S2 Cleavage	CLV	7
A-10-72	371.69	371.7	0.01	S2 Cleavage	CLV	3
A-10-72	372.72	372.73	0.01	S1 Cleavage	CLV	25
A-10-72	374.85	374.86	0.01	S2 Cleavage	CLV	35
A-10-72	374.74	374.75		Silty laminations with py replacement. 170 to CA or 10 to CA.	BDG	170
A-10-72	375.39	375.4	0.01	S2 Cleavage	CLV	15
A-10-72	377.81	377.82	0.01	S1 Cleavage	CLV	35
A-10-72	380.27	380.28	0.01	S2 Cleavage	CLV	7
A-10-72	382.64	382.65	0.01	S2 Cleavage	CLV	10
A-10-72	384.88	384.89	0.01	S1 Cleavage	CLV	40
A-10-72	388.3	398	9.7	Highly fractured blocky core with scattered <10cm sections of fault gouge. Fractures display a whitish-yellow colouration.	FLT	0-5
A-10-72	398.7	398.71	0.01	S2 Cleavage	CLV	13
A-10-72	400.39	400.4	0.01	S2 Cleavage	CLV	7
A-10-72	403.72	403.73	0.01	S1 Cleavage	CLV	60
A-10-72	407.15	407.16	0.01	S1 Cleavage	CLV	25
A-10-72	424.75	464.98	40.23	Large highly fractured fault zone (Thrust zone) with moderately developed fault gouge with a nice graphitic sheen along cleavage's 0-5 to CA.	FLT	0-5
A-10-72	461.8	464.98	3.18	Highly fractured rubbly core with consolidated fault gouge with a graphitic sheen along cleavage's.	FLT	
A-10-72	465.75	472.3	6.55	Healed fault zone. Crackle breccias with dilation veins last 2cm is blocky core with moderately developed fault gouge with a graphitic sheen along cleavage. Within fault is a cleavage at 40 to CA.	FLT	
A-10-72	472.56	472.57	0.01	Cleavage	CLV	75

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-72	473.46	476.68	3.22	Reactivated healed fault with moderately developed fault gouge sections <5cm and a nice graphitic cleavage. Associated with micro to <3cm wide veinlets at 20-40 to CA.	FLT	
A-10-72	477.3	477.31	0.01	Cleavage	CLV	25
A-10-72	477.58	478.05	0.47	Fault with weak to moderate gouge with a graphitic sheen along cleavage planes with 5% dilation veins and a crackle appearance.	FLT	
A-10-72	479.78	479.79	0.01	Cleavage	CLV	30
A-10-72	480.76	488.65	7.89	Heavily fault affected core with large sections of fractured core with fault gouge sections up to 1m and healed gouge with qtz-cal veinlets.	FLT	
A-10-72	490.74	490.75	0.01	Cleavage weak	CLV	25
A-10-72	491.48	491.49	0.01	Cleavage	CLV	40
A-10-72	494	494.01	0.01	Cleavage moderate	CLV	10
A-10-72	494.2	494.2	0	Inter-laminated inter-bedded vfg to fine grained siltstone	BDG	10
A-10-72	498.67	498.68	0.01	Inter-laminated finely coarse grained silt with mudstone	BDG	30
A-10-72	501.4	510.19	8.79	Heavily fault affected core with large sections of fractured core with fault gouge sections up to 50m and healed gouge with qtz-cal veinlets. Competent section of core from 505.19-507.03m.	FLT	
A-10-72	510.75	510.76	0.01	Inter-laminated finely coarse grained silt with mudstone	BDG	70
A-10-72	511.43	511.44	0.01	0.5cm dextral movement at 15 to CA	FLT	15
A-10-72	512	512.01	0.01	Cleavage	CLV	55
A-10-72	517.75	517.76	0.01	Inter-laminated finely coarse grained silt with mudstone	BDG	75
A-10-72	518.8	518.81	0.01	4cm dextral movement at 160 to CA	FLT	160
A-10-72	519.28	519.29	0.01	Weak cleavage	CLV	34
A-10-72	520.9	520.91	0.01	Cleavage moderate	CLV	30
A-10-72	521.5	521.51	0.01	Inter-laminated coarse grained to fine grained siltstone with light gray mudstone	BDG	75
A-10-72	523.45	523.46	0.01	Inter-laminated coarse grained to fine grained siltstone with light gray mudstone	BDG	53

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-72	526.02	526.03	0.01	Inter-laminated coarse grained to fine grained siltstone with light gray mudstone	BDG	60
A-10-72	526.6	526.61	0.01	Cleavage moderate	CLV	45
A-10-72	528.11	528.12	0.01	Alternating inter-laminated fine grained silt-mudstone.	BDG	85
A-10-72	529.7	529.71	0.01	Dextral fault with 10cm displacement at 175 to CA	FLT	175
A-10-72	532.71	532.72	0.01	Alternating inter-laminated fine grained silt-mudstone.	BDG	75

									7AX	7AX	7AX	7AX	7AX	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	WGHT	7AR.1
									Mo	Cu	Pb	Zn	Ag	Ba	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Wgt	Pb
HOLE ID	FROM	TO	LENGTH	SAMPLE #	% SULPHIDES	% SHALE	STANDARDS	CERTIFICATE	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	NONE	KG	%
A-10-72	182.6	183.82	1.22	856351	7	93		VAN10003986	29.3	39.5	42.4	3324	1.8	10313	110.5	9.3	242	2.19	37	7.2	5.1	222	39.6	26.1	<0.5	81	1.36	0.065	18.9	7.3	0.16	1201	0.004	0.47	<0.01	0.27	<0.5	0.31	2.3	2.7	2.61	<5	29	2.61039	5.22	
A-10-72	183.82	184.82	1	856352	5	95		VAN10003986	18.2	36.5	43.8	3620	1.8	10748	81.7	7.9	292	2.24	20	5.0	5.9	224	41.1	19.7	<0.5	71	1.48	0.073	19.8	7.7	0.26	993	0.005	0.49	<0.01	0.27	<0.5	0.44	2.3	2.7	2.60	<5	24	2.64795	4.11	
A-10-72	184.82	185.95	1.13	856353	10	90		VAN10003986	13.4	33.2	42.7	507	1.7	11761	70.3	7.1	485	2.80	32	3.3	5.5	443	4.5	19.5	<0.5	55	2.95	0.059	20.2	7.2	0.52	1220	0.004	0.44	<0.01	0.26	<0.5	0.24	2.9	2.7	3.31	<5	19	2.68855	4.42	
A-10-72	185.95	186.82	0.87	856354	20	80		VAN10003986	27.3	67.7	98.3	265	3.7	10490	110.1	8.0	793	4.26	70	4.7	4.9	391	3.1	41.1	<0.5	67	3.19	0.071	16.1	7.6	0.25	1302	0.005	0.44	<0.01	0.26	<0.5	0.51	2.6	5.9	5.20	<5	35	2.70481	3.74	
A-10-72	186.82	187.76	0.94	856355	10	90		VAN10003986	20.9	46.9	67.8	1176	2.7	12155	88.7	7.3	349	3.37	43	3.8	5.8	195	11.2	26.0	<0.5	66	1.40	0.066	18.1	8.8	0.15	1296	0.005	0.47	<0.01	0.26	<0.5	0.40	1.8	4.3	3.96	<5	16	2.65807	4.21	
A-10-72	187.76	188.88	1.12	856356	5	95		VAN10003986	16.5	21.7	24.6	3059	1.2	14264	67.3	8.0	312	2.14	14	3.8	5.6	320	25.0	9.8	<0.5	65	1.91	0.079	20.0	8.6	0.38	1183	0.005	0.46	<0.01	0.25	<0.5	0.21	2.5	1.8	2.58	<5	12	2.57482	4.94	
A-10-72	188.88	189.87	0.99	856357	30	70		VAN10003986	22.1	51.3	87.5	2356	3.5	15461	115.4	7.9	683	4.55	56	3.6	4.9	274	20.6	27.1	<0.5	74	2.30	0.066	15.8	9.6	0.24	971	0.005	0.45	<0.01	0.25	<0.5	0.55	2.0	6.1	5.20	<5	22	2.73244	4.12	
A-10-72	189.87	190.41	0.54	856358	Tr	99		VAN10003986	25.7	27.5	29.5	4761	1.8	24576	104.4	9.7	274	2.12	20	5.3	6.2	183	38.5	11.6	<0.5	85	1.26	0.121	20.9	13.8	0.24	2112	0.005	0.51	<0.01	0.28	<0.5	0.50	3.1	2.4	2.56	<5	16	2.55548	2.13	
A-10-72	190.41	191.22	0.81	856359	70	30		VAN10003986	11.1	63.3	113.3	550	5.8	17711	63.1	4.5	2730	8.87	63	2.0	2.1	724	4.3	29.5	<0.5	39	8.34	0.061	7.3	7.5	0.24	262	0.003	0.40	<0.01	0.12	<0.5	0.33	2.7	5.7	10.64	<5	12	2.90777	3.88	
A-10-72				856360			STD PB129	VAN10003986	4.1	2747.6	12199.0	21272	26.8	983	11.2	11.3	801	3.43	11	<0.5	1.0	69	127.2	33.9	1.0	35	1.04	0.075	8.9	23.1	1.38	194	0.107	1.89	0.05	0.23	<0.5	0.15	1.6	<0.5	1.94	<5	<2	I.S.	0.02	
A-10-72	191.22	191.88	0.66	856361	80	20		VAN10003986	15.1	61.3	134.5	30	9.2	43319	78.4	4.8	1245	7.35	91	2.6	2.6	461	0.6	31.0	<0.5	59	5.53	0.112	10.5	11.2	0.54	323	0.003	1.29	<0.01	0.13	<0.5	0.45	2.5	8.4	7.63	<5	13	2.86246	2.81	
A-10-72	191.88	192.85	0.97	856362	80	20		VAN10003986	14.2	33.9	102.7	19	4.8	119629	63.5	4.9	868	4.28	59	2.1	3.3	1179	<0.5	16.2	<0.5	93	6.13	0.108	14.7	19.3	0.27	936	0.004	1.83	<0.01	0.11	<0.5	0.19	4.5	4.9	2.85	<5	6	2.92899	4.48	
A-10-72	192.85	193.89	1.04	856363	85	15		VAN10003986	10.4	29.4	114.0	14	3.1	191034	60.5	4.0	410	3.59	43	2.0	3.5	1070	<0.5	10.4	<0.5	146	3.82	0.139	15.8	28.4	0.39	4239	0.010	2.27	<0.01	0.08	<0.5	0.23	5.9	3.3	1.03	7	7	2.99036	4.92	
A-10-72	193.89	194.85	0.96	856364	80	20		VAN10003986	11.5	30.8	113.5	245	1.8	164941	60.9	5.9	367	2.56	25	2.3	2.9	734	2.2	9.0	<0.5	125	5.58	0.098	13.4	21.8	0.35	5740	0.010	1.86	<0.01	0.11	<0.5	0.19	6.1	2.5	0.85	5	6	2.9242	4.33	
A-10-72	194.85	195.43	0.58	856365	Tr	99		VAN10003986	34.9	31.3	111.0	3970	0.9	97243	74.2	7.8	135	1.63	19	7.2	2.0	269	34.5	8.9	<0.5	114	1.82	0.040	8.8	12.8	0.22	11002	0.003	2.03	<0.01	0.11	<0.5	0.60	5.4	2.2	0.67	5	7	2.76345	2.49	
A-10-72	195.43	196.44	1.01	856366	80	20		VAN10003986	15.1	24.3	104.4	131	0.7	161439	42.0	7.2	276	2.08	16	3.9	3.2	903	1.0	7.0	<0.5	55	5.92	0.049	12.1	12.8	0.48	17905	0.004	1.34	<0.01	0.11	<0.5	0.17	5.3	3.1	0.52	<5	<2	2.88155	4.22	
A-10-72	196.44	197.44	1	856367	80	20		VAN10003986	40.6	37.3	142.3	90	1.1	144679	52.3	8.3	147	2.80	21	8.1	3.1	219	0.7	11.9	<0.5	78	1.55	0.055	11.1	18.3	0.33	4113	0.006	2.35	<0.01	0.18	<0.5	0.24	7.9	4.8	1.08	7	5	2.87249	4.39	
A-10-72	197.44	197.91	0.47	856368	70	30		VAN10003986	45.1	32.6	144.6	850	0.9	161856	96.9	8.4	136	2.18	22	10.9	2.7	183	7.0	14.1	<0.5	261	1.53	0.047	11.3	23.6	0.42	31087	0.042	3.04	<0.01	0.13	<0.5	0.28	7.6	3.9	0.35	8	3	2.9	2.16	
A-10-72	197.91	199.03	1.12	856369	5	95		VAN10003986	26.9	41.1	119.0	2145	1.0	75215	93.0	7.3	135	1.79	18	8.3	3.5	68	15.9	15.2	<0.5	116	0.97	0.051	18.3	11.0	0.34	5062	0.003	2.10	<0.01	0.17	<0.5	0.30	4.3	3.6	1.05	<5	7	2.71913	3.84	
A-10-72				856370			Blank BL108	VAN10003986	0.6	15.9	3.7	24	<0.5	1027	1.8	2.5	553	1.58	<5	1.5	5.3	11	<0.5	<0.5	<0.5	14	0.16	0.019	8.3	14.9	0.21	160	0.087	0.66	0.10	0.35	<0.5	<0.05	3.7	<0.5	<0.05	<5	<2	I.S.	0.02	
A-10-72	199.03	200	0.97	856371	10	90		VAN10003986	26.3	33.2	113.2	2322	1.2	41870	81.1	5.8	266	1.79	18	8.3	3.7	271	20.6	16.3	<0.5	104	4.44	0.062	14.4	8.4	0.61	2316	0.003	0.95	<0.01	0.18	<0.5	0.37	3.4	3.7	1.76	<5	14	2.68097	4.36	
A-10-72	200	201	1	856372	10	90		VAN10003986	29.2	39.4	125.0	637	1.3	10874	95.5	7.7	196	1.91	22	8.7	4.1	236	5.9	20.4	<0.5	97	1.90	0.053	14.8	8.5	0.46	1941	0.005	0.43	<0.01	0.25	<0.5	0.23	2.1	3.6	2.17	<5	14	2.63016	4.37	
A-10-72	201	201.98	0.98	856373	2	98		VAN10003986	30.7	42.7	117.2	2280	1.5	8415	106.2	8.5	162	1.82	23	9.1	4.7	337	23.4	25.4	<0.5	87	1.71	0.054	16.0	7.9	0.20	967	0.005	0.43	<0.01	0.25	<0.5	0.35	2.2	4.9	2.16	<5	11	2.61805	3.93	
A-10-72	201.98	203	1.02	856374	10	90		VAN10003986	34.0	65.2	185.3	2281	3.2	4802	109.6	8.6	114	2.36	39	10.5	4.4	81	24.6	35.0	<0.5	81	0.92	0.053	13.0	10.2	0.27	759	0.005	0.44	<0.01	0.25	<0.5	0.38	1.5	4.7	2.85	<5	33	2.62467	4.73	
A-10-72	298.34	299.4	1.06	856375	Tr	99		VAN10003986	40.0	66.6	38.7	317	0.7	2403	180.4	11.6	415	2.66	60	13.7	2.9	194	1.4	23.8	<0.5	59	3.30	0.061	10.7	8.5	0.79	707	0.006	0.55	<0.01	0.34	<0.5	0.26	2.5	2.0	2.37	<5	13	2.31755	4.20	
A-10-72	299.4	299.95	0.55	856376	30	50		VAN10003986	139.9	522.8	255.1	30949	5.0	1742	6661.7	131.2	189	8.01	861	55.8	2.8	331	28.6	128.5	1.8	159	4.13	0.774	22.1	10.3	0.37	413	0.010	0.54	<0.01	0.26	<0.5	2.35	2.3	30.7	10.60	5	229	2.80632	2.57	
A-10-72	299.95	300.57	0.62	856377	30	50		VAN10003986	136.8	378.2	200.9	23249	3.8	769	5496.9	91.7	577	6.82	560	58.0	1.8	620	25.3	108.0	1.4	180	9.38	0.732	21.8	9.7	1.12	463	0.007	0.61	<0.01	0.14	<0.5	2.01	2.0	20.5	7.95	7	160	2.76039	2.68	
A-10-72	300.57	301.53	0.96	856378	Tr	99		VAN10003986	26.5	62.7	34.8	154	<0.5	2921	129.7	15.6	167	2.48	57	8.5	4.5	91	<0.5	18.4	<0.5	77	1.30	0.046	16.5	9.4	0.26	441	0.009	0.76	<0.01	0.57	<0.5	0.17	3.2	1.7	2.35	<5	11	2.51633	3.88	

HOLE ID	DISTANCE	AZIMUTH (mag)	AZIMUTH (true)	DIP	MAGN	SURVEY TYPE	ACCEPTED	COMMENTS
A-10-72	0		50	-80				Collar
A-10-72	14	28.8	49.58	-81	5784	Reflex	Yes	
A-10-72	44	28	48.78	-80	5780	Reflex	Yes	
A-10-72	74	27.2	47.98	-79	5784	Reflex	Yes	
A-10-72	104	26.3	47.08	-78	5774	Reflex	Yes	
A-10-72	134	24	44.78	-77	5775	Reflex	Yes	
A-10-72	164	22.1	42.88	-75	5782	Reflex	Yes	
A-10-72	194	22.5	43.28	-74	5781	Reflex	Yes	
A-10-72	224	21.8	42.58	-74	5775	Reflex	Yes	
A-10-72	254	21.1	41.88	-73	5777	Reflex	Yes	
A-10-72	284	21.8	42.58	-73	5779	Reflex	Yes	
A-10-72	314	22.6	43.38	-72	5775	Reflex	Yes	
A-10-72	344	23.4	44.18	-72	5782	Reflex	Yes	
A-10-72	374	10.2	30.98	-71	7268	Reflex	No	High Mag!
A-10-72	404	26.4	47.18	-72	5796	Reflex	Yes	
A-10-72	434	26.8	47.58	-71	5779	Reflex	Yes	
A-10-72	464	27	47.78	-71	5790	Reflex	Yes	
A-10-72	494	26.5	47.28	-70	5785	Reflex	Yes	
A-10-72	525	27.5	48.28	-70	5773	Reflex	Yes	
A-10-72	536	27.8	48.58	-70	5575	Reflex	Yes	

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-72	5	8	3	3	100.00	0	0.00												
A-10-72	8	11	3	3	100.00	0	0.00												
A-10-72	11	14	3	2.77	92.33	1.21	40.33												
A-10-72	14	17	3	3	100.00	1.5	50.00												
A-10-72	17	20	3	2.85	95.00	1.09	36.33	1					1						
A-10-72	20	23	3	2.9	96.67	0.45	15.00												
A-10-72	23	26	3	2.7	90.00	0.14	4.67	1					1						
A-10-72	26	29	3	2.75	91.67	0.65	21.67												
A-10-72	29	32	3	2.75	91.67	0.18	6.00												
A-10-72	32	35	3	2.47	82.33	0.47	15.67												
A-10-72	35	38	3	2.8	93.33	0.19	6.33												
A-10-72	38	41	3	2.9	96.67	1.77	59.00	2			1		1						
A-10-72	41	44	3	3	100.00	2.51	83.67	1					1						
A-10-72	44	47	3	2.86	95.33	2.13	71.00												
A-10-72	47	50	3	2.78	92.67	0.78	26.00	1					1						
A-10-72	50	53	3	2.77	92.33	1.66	55.33												
A-10-72	53	56	3	2.84	94.67	1.88	62.67												
A-10-72	56	59	3	2.65	88.33	0.15	5.00												
A-10-72	59	62	3	2.89	96.33	2.21	73.67												
A-10-72	62	65	3	2.96	98.67	2.29	76.33	4		3	1								
A-10-72	65	68	3	2.66	88.67	1.15	38.33	3	3										
A-10-72	68	71	3	2.92	97.33	1.25	41.67	1	1										
A-10-72	71	74	3	2.9	96.67	1.23	41.00												
A-10-72	74	77	3	2.86	95.33	1.53	51.00	3	3										
A-10-72	77	80	3	2.83	94.33	1.42	47.33												
A-10-72	80	83	3	2.93	97.67	1.47	49.00	12	5	5	2								
A-10-72	83	86	3	2.89	96.33	1.8	60.00												
A-10-72	86	89	3	2.96	98.67	2.54	84.67												
A-10-72	89	92	3	2.93	97.67	1.62	54.00												
A-10-72	92	95	3	2.94	98.00	2.11	70.33												
A-10-72	95	98	3	2.65	88.33	0.46	15.33	1					1						
A-10-72	98	101	3	2.99	99.67	0.87	29.00	3				2	1						
A-10-72	101	104	3	2.83	94.33	0.33	11.00	1					1						
A-10-72	104	107	3	2.74	91.33	0.37	12.33												
A-10-72	107	110	3	3	100.00	2.06	68.67												
A-10-72	110	113	3	2.97	99.00	2.48	82.67												
A-10-72	113	116	3	2.99	99.67	2.36	78.67	1					1						
A-10-72	116	119	3	2.98	99.33	2.35	78.33	3					3						
A-10-72	119	122	3	2.89	96.33	2.5	83.33												
A-10-72	122	125	3	2.97	99.00	2.27	75.67												
A-10-72	125	128	3	2.94	98.00	1.63	54.33												
A-10-72	128	131	3	2.77	92.33	1.32	44.00												
A-10-72	131	134	3	2.79	93.00	0.62	20.67	1					1						
A-10-72	134	137	3	2.73	91.00	2.68	89.33												
A-10-72	137	140	3	2.96	98.67	2.3	76.67												
A-10-72	140	143	3	2.96	98.67	1.68	56.00												
A-10-72	143	146	3	3.04	101.33	0.98	32.67												
A-10-72	146	149	3	2.8	93.33	0.76	25.33												
A-10-72	149	152	3	2.94	98.00	0.95	31.67	2			1	1							
A-10-72	152	155	3	2.87	95.67	1.53	51.00	3		1	2								
A-10-72	155	158	3	2.8	93.33	1.47	49.00												
A-10-72	158	161	3	2.99	99.67	0.99	33.00												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-72	161	164	3	2.62	87.33	0.33	11.00												
A-10-72	164	167	3	2.93	97.67	2.65	88.33												
A-10-72	167	170	3	2.87	95.67	2.59	86.33												
A-10-72	170	173	3	2.98	99.33	2.22	74.00	10	5		5								
A-10-72	173	176	3	2.93	97.67	2.19	73.00	2			2								
A-10-72	176	179	3	2.98	99.33	1.23	41.00	20	19		1								
A-10-72	179	182	3	2.96	98.67	2.42	80.67	2	1		1								
A-10-72	182	185	3	2.97	99.00	2.75	91.67												
A-10-72	185	188	3	3.02	100.67	2.94	98.00												
A-10-72	188	191	3	2.92	97.33	2.13	71.00	3	2	1									
A-10-72	191	194	3	3.02	100.67	2.87	95.67												
A-10-72	194	197	3	2.9	96.67	2.67	89.00												
A-10-72	197	200	3	2.98	99.33	2	66.67												
A-10-72	200	203	3	3.02	100.67	2.08	69.33												
A-10-72	203	206	3	2.99	99.67	2.21	73.67												
A-10-72	206	209	3	2.87	95.67	2.39	79.67												
A-10-72	209	212	3	2.97	99.00	2.57	85.67												
A-10-72	212	215	3	3.01	100.33	2.71	90.33												
A-10-72	215	218	3	2.87	95.67	2.84	94.67												
A-10-72	218	221	3	2.83	94.33	2.09	69.67												
A-10-72	221	224	3	3.01	100.33	2.69	89.67												
A-10-72	224	227	3	2.85	95.00	2.85	95.00												
A-10-72	227	230	3	2.99	99.67	2.44	81.33												
A-10-72	230	233	3	2.86	95.33	1.22	40.67												
A-10-72	233	236	3	2.88	96.00	1.55	51.67												
A-10-72	236	239	3	2.86	95.33	2.45	81.67												
A-10-72	239	242	3	3	100.00	2.75	91.67												
A-10-72	242	245	3	2.85	95.00	2.74	91.33												
A-10-72	245	248	3	2.97	99.00	2.94	98.00												
A-10-72	248	251	3	2.92	97.33	2.15	71.67												
A-10-72	251	254	3	2.94	98.00	2.4	80.00												
A-10-72	254	257	3	3.03	101.00	2.91	97.00												
A-10-72	257	260	3	2.85	95.00	2.15	71.67												
A-10-72	260	263	3	2.83	94.33	1.78	59.33												
A-10-72	263	266	3	2.77	92.33	1.84	61.33												
A-10-72	266	269	3	3.02	100.67	3	100.00												
A-10-72	269	272	3	2.96	98.67	2.69	89.67												
A-10-72	272	275	3	2.85	95.00	2.18	72.67												
A-10-72	275	278	3	2.92	97.33	2.65	88.33												
A-10-72	278	281	3	2.98	99.33	2.81	93.67												
A-10-72	281	284	3	2.93	97.67	2.69	89.67												
A-10-72	284	287	3	2.9	96.67	1.73	57.67												
A-10-72	287	290	3	2.83	94.33	1.32	44.00												
A-10-72	290	293	3	2.74	91.33	1.92	64.00												
A-10-72	293	296	3	2.88	96.00	1.72	57.33												
A-10-72	296	299	3	2.98	99.33	2.59	86.33												
A-10-72	299	302	3	2.96	98.67	2.8	93.33												
A-10-72	302	305	3	3.02	100.67	1.97	65.67												
A-10-72	305	308	3	3.02	100.67	0.45	15.00												
A-10-72	308	311	3	2.95	98.33	2.25	75.00												
A-10-72	311	314	3	2.84	94.67	1.1	36.67												
A-10-72	314	317	3	3	100.00	2.29	76.33												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-72	317	320	3	2.96	98.67	1.06	35.33												
A-10-72	320	323	3	3.04	101.33	2.44	81.33												
A-10-72	323	326	3	2.92	97.33	2.08	69.33												
A-10-72	326	329	3	2.91	97.00	1.3	43.33												
A-10-72	329	332	3	2.92	97.33	2.42	80.67												
A-10-72	332	335	3	2.9	96.67	0.84	28.00												
A-10-72	335	338	3	2.92	97.33	1.17	39.00												
A-10-72	338	341	3	2.81	93.67	0.45	15.00												
A-10-72	341	344	3	2.93	97.67	1.31	43.67												
A-10-72	344	347	3	2.85	95.00	1.48	49.33												
A-10-72	347	350	3	3.05	101.67	1.68	56.00												
A-10-72	350	353	3	2.82	94.00	1.47	49.00												
A-10-72	353	356	3	2.79	93.00	1.95	65.00												
A-10-72	356	359	3	3.05	101.67	2.26	75.33												
A-10-72	359	362	3	3	100.00	1.8	60.00												
A-10-72	362	365	3	2.92	97.33	1.78	59.33												
A-10-72	365	368	3	2.97	99.00	1.57	52.33												
A-10-72	368	371	3	2.7	90.00	1.25	41.67												
A-10-72	371	374	3	2.76	92.00	0.92	30.67												
A-10-72	374	377	3	2.97	99.00	1.9	63.33												
A-10-72	377	380	3	2.89	96.33	2.61	87.00												
A-10-72	380	383	3	3.01	100.33	1.96	65.33												
A-10-72	383	386	3	2.73	91.00	1.27	42.33												
A-10-72	386	389	3	2.83	94.33	1.87	62.33												
A-10-72	389	392	3	3	100.00	0	0.00												
A-10-72	392	395	3	2.6	86.67	0.22	7.33												
A-10-72	395	398	3	2.92	97.33	0.64	21.33												
A-10-72	398	401	3	2.92	97.33	1.4	46.67												
A-10-72	401	404	3	2.77	92.33	1.27	42.33												
A-10-72	404	407	3	3	100.00	2.76	92.00												
A-10-72	407	410	3	2.82	94.00	1.54	51.33												
A-10-72	410	413	3	2.95	98.33	2.65	88.33												
A-10-72	413	416	3	2.92	97.33	2.31	77.00												
A-10-72	416	419	3	2.78	92.67	1.38	46.00												
A-10-72	419	422	3	3.01	100.33	1.87	62.33												
A-10-72	422	425	3	2.85	95.00	0.44	14.67												
A-10-72	425	428	3	2.75	91.67	0.12	4.00												
A-10-72	428	431	3	2.5	83.33	0.18	6.00												
A-10-72	431	434	3	2.91	97.00	0.23	7.67												
A-10-72	434	437	3	2.7	90.00	0.45	15.00												
A-10-72	437	440	3	2.7	90.00	0.12	4.00												
A-10-72	440	443	3	2.95	98.33	0	0.00												
A-10-72	443	446	3	2.23	74.33	0	0.00												
A-10-72	446	449	3	2.55	85.00	0.22	7.33												
A-10-72	449	452	3	2	66.67	0	0.00												
A-10-72	452	455	3	2	66.67	0	0.00												
A-10-72	455	458	3	2.3	76.67	0.26	8.67												
A-10-72	458	461	3	2.75	91.67	0.94	31.33												
A-10-72	461	464	3	2.4	80.00	0.24	8.00												
A-10-72	464	467	3	2.6	86.67	1.14	38.00												
A-10-72	467	470	3	2.85	95.00	1.57	52.33												
A-10-72	470	473	3	2.5	83.33	1.33	44.33												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-72	473	476	3	2.85	95.00	0.75	25.00												
A-10-72	476	479	3	2.8	93.33	0.97	32.33												
A-10-72	479	482	3	2.9	96.67	1.35	45.00												
A-10-72	482	485	3	2.45	81.67	0	0.00												
A-10-72	485	488	3	2.3	76.67	0.27	9.00												
A-10-72	488	491	3	2.75	91.67	0.87	29.00												
A-10-72	491	494	3	3.05	101.67	1.27	42.33												
A-10-72	494	497	3	2.99	99.67	1.57	52.33												
A-10-72	497	500	3	2.87	95.67	1.89	63.00												
A-10-72	500	503	3	2.83	94.33	1	33.33												
A-10-72	503	506	3	2.47	82.33	0.54	18.00												
A-10-72	506	509	3	2.25	75.00	0.5	16.67												
A-10-72	509	512	3	2.83	94.33	1.46	48.67												
A-10-72	512	515	3	3	100.00	2.7	90.00												
A-10-72	515	518	3	2.86	95.33	2.44	81.33												
A-10-72	518	521	3	3.02	100.67	3.02	100.67												
A-10-72	521	524	3	2.85	95.00	2.75	91.67												
A-10-72	524	527	3	2.97	99.00	2.06	68.67												
A-10-72	527	530	3	3.03	101.00	3.03	101.00												
A-10-72	530	533	3	2.97	99.00	2.97	99.00												

COAST MOUNTAIN GEOLOGICAL LTD.
DRILL HOLE COVER SHEET

PROPERTY: Akie **DRILL HOLE #: A-10-73** **LOGGED BY:** Scott Dowler **COVER SHEET DATE: August 8,2010**

DDH COLLAR LOCATION

PROPOSED
LOCAL GRID
NORTH:
EAST:
ELEVATION:

DATUM: NAD 83 Zone 10
UTM CO-ORDS
NORTHING: 6360159
EASTING: 388365
ELEVATION: 1566

SURVEYED
LOCAL GRID
NORTH:
EAST:
ELEVATION:

UTM CO-ORDS
NORTHING:
EASTING:
ELEVATION:

DDH COLLAR ORIENTATION

PROPOSED
AZIMUTH: 55
DIP: -74

SURVEYED
AZIMUTH:
DIP:

DDH LENGTH

PROPOSED
LENGTH: 800 m

ACTUAL
LENGTH: 71 m

DOWN HOLE SURVEY

SURVEY TYPE: Reflex EZ-SHOT

DISTANCE	AZIMUTH	DIP	ACPTED	COMMENTS
0	55	-74	YES	COLLAR
20	54.08	-73.3	YES	
47	50.28	-73.7	YES	

DRILLING INFORMATION

CONTRACTOR: RODREN DRILLING

CORE DIAMETER: HQ
DATE STARTED: 06-Aug-10
DATE COMPLETED: 09-Aug-10
CAPPED: YES
CASING: YES
UNITS: METRIC: X IMPERIAL:

HOLE OBJECTIVE: Drill target down dip of holes A-05-30, A-08-50 to fill in large gap in pierce points

Note: the magnetic declination used is 20.78 degrees East.

HOLE SUMMARY: Hole was abandoned at the Road River Group/Earn Group contact within a large thrust fault @ 71m

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-73	0	5	5	Casing/Overburder	Casing/Overburder	CS		CS
A-10-73	5	71	66	Interbedded hummocky siltstone plana siltstone and mudstone units	Highly fissile core with a dominant pervasive cleavage of 50 degrees TCA throughout. Light grey, moderately siliceous, 1-8m thick siltstone beds characterized by hummocky laminations of siltstone and dark grey, sub mm to mm thick silty mudstone all interbedded with dark grey to black, moderately siliceous, very fine grained 0.2-0.6m thick mudstone beds. Top of hole contains blocky core displaying tan-orange weathering along cleavage, bedding and fracture planes. Rare 2-5mm wide clusters of bright, brassy, cubic Py within hummocky siltstone and silty mudstone. There are abundant minor faults throughout the entire unit (possibly large thrust package??). From 28.77-34.1m there is a large quartz carb vein zone that appears to have healed a paleo-fault and moderately silicified the siltstone unit both preceding and following the vein zone. From 47.37m to 71m (eoh) the core is extremely broken, ground up, disintigrated and is part of a massive thrust fault zone.	6SS	6SH	RRG
					END OF HOLE			

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	ALT	INTENSITY
A-10-73	28.39	28.77	0.38	Gradational silicification becoming more silicified towards vein zone. Nail does not scratch	SILC	MOD
A-10-73	34.1	38	3.9	Uniform silicification throughout zone directly following a quartz carb vein system. Nail does not scratch rock.	SILC	MOD

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	PY %	SP %	GA %	BA %	CP %	PO %

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-73	28.77	34.1	5.33	Large quartz/carb vein (20%,80%) within fault zone with no distinct orientation and is highly broken up and blocky. No visible sulphide mineralization. Some carbonate has weathered orangey brown.	75	

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-73	5.81	5.82	0.01	Grey humocky siltstone laminations	BDG	50
A-10-73	6.085	6.09	0.005	Cleavage	CLV	60
A-10-73	6.38	6.62	0.24	Minor fault with rubble and minor gouge along fracture plane	FLT	
A-10-73	7.59	7.75	0.16	Minor fault with rubble and minor gouge	FLT	
A-10-73	8	8.01	0.01	Cleavage	CLV	50
A-10-73	8.64	8.65	0.01	Humocky siltstone	BDG	50
A-10-73	8.8	8.81	0.01	Cleavage	CLV	50
A-10-73	9.29	9.55	0.26	Minor fault zone that is fissile with minor gouge along fracture plane	FLT	
A-10-73	10.77	10.78	0.01	Silty laminations	BDG	50
A-10-73	10.78	10.79	0.01	Cleavage	CLV	60
A-10-73	13.04	13.05	0.01	Silty laminations	BDG	50
A-10-73	13.05	13.06	0.01	Cleavage	CLV	50
A-10-73	15.17	15.18	0.01	Humocky siltstone lamination	BDG	50
A-10-73	15.18	15.19	0.01	Cleavage	CLV	50
A-10-73	16.22	16.23	0.01	Cleavage	CLV	50
A-10-73	17.5	17.51	0.01	Cleavage	CLV	50
A-10-73	19.66	19.67	0.01	Hummocky silstone lamination	BDG	55
A-10-73	19.76	19.77	0.01	Cleavage	CLV	50
A-10-73	20.87	21	0.13	Minor fault zone characterized by blocky core with minor well developed gouge.	FLT	
A-10-73	21.18	21.22	0.04	Minor fault containing fissile core with mostly well-developed gouge.	FLT	60
A-10-73	22.85	22.86	0.01	Hummocky silstone lamination	BDG	50
A-10-73	22.86	22.87	0.01	Cleavage	CLV	50
A-10-73	23.62	23.73	0.11	Minor fault zone characterized by blocky core with minor well developed gouge.	FLT	
A-10-73	23.95	24.13	0.18	Minor fault zone charaterized by fissile, poker chip core with well developed gouge	FLT	
A-10-73	25.4	25.41	0.01	Cleavage	CLV	50
A-10-73	25.76	25.77	0.01	Hummocky silstone lamination	BDG	45
A-10-73	26.74	26.75	0.01	Hummocky silstone lamination	BDG	45
A-10-73	28.27	28.28	0.01	Cleavage	CLV	50
A-10-73	29.56	30.5	0.94	Fault zone containing blocky, rubbly core, and poorly developed gouge with core chunks containing abundant veining	FLT	

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-73	32.26	34.65	2.39	Fault zone containing blocky, rubbly core, and poorly developed gouge with core chunks containing abundant veining	FLT	
A-10-73	35.18	35.19	0.01	Silty mudstone lamination	BDG	55
A-10-73	37.18	37.19	0.01	Silty mudstone lamination	BDG	60
A-10-73	38.1	38.11	0.01	Hummocky silstone lamination	BDG	55
A-10-73	38.26	39.54	1.28	Fault zone characterized by blocky, poker chip core and minor well developed along cleavage and fracture planes.	FLT	
A-10-73	39.69	39.7	0.01	Siltstone laminations	BDG	40
A-10-73	42.16	42.17	0.01	Cleavage	CLV	50
A-10-73	42.17	42.18	0.01	Siltstone laminations	BDG	50
A-10-73	43.48	43.49	0.01	Cleavage	CLV	45
A-10-73	43.72	43.75	0.03	Mudstone bed	BDG	50
A-10-73	47.25	47.26	0.01	Siltstone laminations	BDG	45
A-10-73	47.34	47.35	0.01	Cleavage	CLV	45
A-10-73	47.37	71	23.63	Massive Fault zone characterized by abundant, broken, disintigrated rubble clasts and well-developed fault gouge as well as graphitic partings along cleavage and fracture planes	FLT	

									7AX	7AX	7AX	7AX	7AX	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	WGHT	7AR.1
									Mo	Cu	Pb	Zn	Ag	Ba	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Wgt	Pb
HOLE ID	FROM	TO	LENGTH	SAMPLE #	% SULPHIDES	% SHALE	STANDARDS	CERTIFICATE #	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	NONE	KG	%

HOLE ID	DISTANCE	AZIMUTH (mag)	AZIMUTH (true)	DIP	MAGN	SURVEY TYPE	ACCEPTED	COMMENTS
A-10-73	0		55	-74				COLLAR
A-10-73	20	33.3	54.08	-73.3	5886	REFLEX EZ-SHOT	YES	
A-10-73	47	29.5	50.28	-73.7	5872	REFLEX EZ-SHOT	YES	

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD %	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-73	5	8	3	2.6	86.67	0.63	24.23												
A-10-73	8	11	3	2.69	89.67	1	37.17												
A-10-73	11	14	3	2.52	84.00	0.92	36.51												
A-10-73	14	17	3	3.01	100.33	1.7	56.48												
A-10-73	17	20	3	2.77	92.33	1.26	45.49												
A-10-73	20	23	3	2.73	91.00	0.87	31.87												
A-10-73	23	26	3	2.62	87.33	0.72	27.48												
A-10-73	26	29	3	2.74	91.33	1.41	51.46												
A-10-73	29	32	3	2.47	82.33	0.51	20.65												
A-10-73	32	35	3	1.74	58.00	0.34	19.54												
A-10-73	35	38	3	3	100.00	1.89	63.00												
A-10-73	38	41	3	2.28	76.00	0.1	4.39												
A-10-73	41	44	3	2.45	81.67	0.41	16.73												
A-10-73	44	47	3	2.24	74.67	0.24	10.71												
A-10-73	47	50	3	1.53	51.00	0.12	7.84												
A-10-73	50	53	3	0.35	11.67	0	0.00												
A-10-73	53	56	3	0.75	25.00	0	0.00												
A-10-73	56	59	3	0.14	4.67	0	0.00												
A-10-73	59	62	3	0.09	3.00	0	0.00												
A-10-73	62	65	3	0.52	17.33	0	0.00												
A-10-73	65	68	3	0.14	4.67	0	0.00												
A-10-73	68	71	3	0.45	15.00	0	0.00												

COAST MOUNTAIN GEOLOGICAL LTD.
DRILL HOLE COVER SHEET

PROPERTY: Akie

DRILL HOLE #: A-10-73A

LOGGED BY: Scott Dowler

COVER SHEET DATE: August 8,2010

DDH COLLAR LOCATION

PROPERTY: PROPOSED

LOCAL GRID
NORTH:
EAST:
ELEVATION:

DATUM: NAD 83 Zone 10
UTM CO-ORDS
NORTHING: 6360159
EASTING: 388365
ELEVATION: 1566

SURVEYED

LOCAL GRID
NORTH:
EAST:
ELEVATION:

UTM CO-ORDS
NORTHING:
EASTING:
ELEVATION:

DDH COLLAR ORIENTATION

PROPOSED
AZIMUTH: 55
DIP: -78

SURVEYED
AZIMUTH:
DIP:

DDH LENGTH

PROPOSED
LENGTH: 800 m

ACTUAL
LENGTH: 32.95 m

DOWN HOLE SURVEY

SURVEY TYPE: REFFLEX EZ-SHOT

DISTANCE	AZIMUTH	DIP	ACPTED	COMMENTS
0	60	-78		COLLAR
29	49.88	-77.6	YES	

DRILLING INFORMATION

CONTRACTOR: RODREN DRILLING
CORE DIAMETER: HQ
DATE STARTED: 09-Aug-10
DATE COMPLETED: 11-Aug-10
CAPPED: YES
CASING: YES
UNITS: METRIC: X IMPERIAL:

HOLE OBJECTIVE: Provide a peirce point in large area down dip from holes 30, 50, 32, 65 etc.

Note: The magnetic declination used is 20.78 degrees to the East

HOLE SUMMARY: The hole was abandoned in the rocks of the Road River Group due to driller error prior to the thrust fault between the Road River Group and the Earn Group rocks. Hole was terminated at a depth of 32.95m

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-73A	0	17	17	Casing/Overburder	Casing/Overburder			
A-10-73A	17	32.95	15.95	Interbedded hummocky siltstone plana siltstone and mudstone units	Highly fissile core with a dominant pervasive cleavage of 50 degrees TCA throughout. Light grey moderately siliceous, thick siltstone beds characterized by hummocky laminations of siltstone and dark grey, sub mm to mm thick silty mudstone all interbedded with dark grey to black, moderately siliceous, very fine grained cm thick mudstone beds. The hole contains blocky core displaying tan-orange weathering along cleavage, bedding and fracture planes. Rare 2-5mm wide clusters of bright, brassy, cubic Py within hummocky siltstone and silty mudstone. There are abundant minor faults throughout the entire unit (possibly large thrust package??). From 29.97-32.95m there is a large quartz carb vein zone that appears to have healed a paleo-fault and moderately silicified the siltstone unit both preceding the vein zone. From 49.0m to 32.95m (eoh) the core is extremely broken, ground up, disintigrated and is part of a massive thrust fault zone.	6SS	6SH	RRG
					END OF HOLE			

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	ALT	INTENSITY

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	PY %	SP %	GA %	BA %	CP %	PO %

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-73A	29.97	32.95	2.98	Large yellowy brown to white quartz/carb (60%,40%) vein zone located in the middle of a large fault and containing zones of healed fault with mm to 3cm sized angular chunks of medium grey laminated siltstone host rock within vein material.	95	

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-73A	19.18	19.44	0.26	Cleavage	CLV	55
A-10-73A	19.44	19.45	0.01	Siltstone lamination	BDG	55
A-10-73A	20.16	20.17	0.01	Cleavage	CLV	55
A-10-73A	20.17	20.18	0.01	hummocky siltstone lamination	BDG	55
A-10-73A	21.38	21.39	0.01	Cleavage	CLV	50
A-10-73A	21.39	21.4	0.01	hummocky siltstone lamination	BDG	50
A-10-73A	21.64	25.29	3.65	Fault zone characterized by blocky, rubbly core with well developed gouge along cleavage and fracture planes	FLT	
A-10-73A	25.43	25.53	0.1	Minor fault characterized by well-developed, consolidated gouge and minor amounts of rubbly core	FLT	50
A-10-73A	25.68	25.69	0.01	Cleavage	CLV	50
A-10-73A	25.69	25.7	0.01	hummocky siltstone lamination	BDG	50
A-10-73A	26.49	27.01	0.52	Minor fault characterized by blocky, rubbly core.	FLT	
A-10-73A	27.31	27.32	0.01	Cleavage	CLV	45
A-10-73A	27.32	27.33	0.01	Silty mudstone lamination	BDG	45
A-10-73A	27.97	28.5	0.53	Fault zone characterized by blocky, rubbly core with poorly developed gouge and ground up rubble along cleavage and fracture planes	FLT	
A-10-73A	28.73	32.95	4.22	Major fault zone characterized by blocky, rubbly, ground up core, moderately well developed fault gouge and abundant quartz carb veining	FLT	

									7AX	7AX	7AX	7AX	7AX	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	WGHT	7AR.1
									Mo	Cu	Pb	Zn	Ag	Ba	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Wgt	Pb
HOLE ID	FROM	TO	LENGTH	SAMPLE #	% SULPHIDES	% SHALE	STANDARDS	CERTIFICATE	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	NONE	KG	%

HOLE ID	DISTANCE	AZIMUTH (mag)	AZIMUTH (true)	DIP	MAGN	SURVEY TYPE	ACCEPTED	COMMENTS
A-10-73A	0		60	-78			YES	COLLAR
A-10-73A	29		49.88	-77.6	5898	REFLEX EZ-SHOT	YES	

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD %	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-73A	17	20	3	2.78	92.67	0.24	8.63												
A-10-73A	20	23	3	2.4	80.00	0.28	11.67												
A-10-73A	23	26	3	1.73	57.67	0.42	24.28												
A-10-73A	26	29	3	2.75	91.67	0.41	14.91												
A-10-73A	29	32	3	1.77	59.00	0.42	23.73												
A-10-73A	32	32.95	0.95	0.92	96.84	0.11	11.96												

COAST MOUTAIN GEOLOGICAL LTD.
DRILL HOLE COVER SHEET

PROPERTY: Akie
DRILL HOLE #: A-10-73B
LOGGED BY: Cam Norton
COVER SHEET DATE: 23 September 2010

DDH COLLAR LOCATION

PROPOSED
DATUM: NAD 83 Zone 10
LOCAL GRID
NORTH:
EAST:
ELEVATION:

UTM CO-ORDS
NORTHING: 6360159
EASTING: 388365
ELEVATION: 1566

SURVEYED
LOCAL GRID
NORTH:
EAST:
ELEVATION:

UTM CO-ORDS
NORTHING:
EASTING:
ELEVATION:

DDH COLLAR ORIENTATION

PROPOSED
AZIMUTH: 60
DIP: -72

SURVEYED
AZIMUTH:
DIP:

DDH LENGTH

PROPOSED
LENGTH: 800 m

ACTUAL
LENGTH: 652.28 m

DOWN HOLE SURVEY

SURVEY TYPE: REFLEX EZ-SHOT

DISTANCE	AZIMUTH	DIP	ACPTED	COMMENTS
0	60	-72	YES	COLLAR
20	56.48	-70.9	YES	
80	52.18	-71.2	YES	
110	52.48	-71.4	YES	
140	50.28	-70.6	YES	
170	48.88	-69.9	YES	
170	48.58	-69.5	YES	
179	48.58	-69.5	YES	
188	47.68	-69.1	YES	
197	47.28	-68.4	YES	
200	46.18	-68.1	YES	
206	45.78	-67.2	YES	
215	44.18	-65.5	YES	
224	43.18	-64.3	YES	
230	42.48	-63.1	YES	
233	41.48	-62.8	YES	
233	40.98	-62.7	YES	
272	37.58	-57.3	YES	
302	36.18	-54.6	YES	
332	33.38	-48.5	YES	
362	31.78	-46.3	YES	
392	32.08	-45	YES	
422	32.48	-44.6	YES	
452	32.98	-42.8	YES	
512	32.68	-39.5	YES	
539.5	34.08	-38.1	YES	
569.9	34.48	-36.7	YES	
600.5	35.2	-35.2	YES	
630.9	34.98	-33.5	YES	

DRILLING INFORMATION

CONTRACTOR: RODREN DRILLING
CORE DIAMETER: HQ, NQ
DATE STARTED: 11-Aug-10
DATE COMPLETED: 16-Sep-10
CAPPED: YES
CASING: YES
UNITS: METRIC: X IMPERIAL: X

HOLE OBJECTIVE: Provide a pierce point in the large area down dip from holes 30, 50, 32, 65

Note: The magnetic declination used is 20.78 degrees to the East

HOLE SUMMARY: Drill hole A-10-73B collared into the rocks of the Road River Group. At a depth of 41 to 68m the HW thrust between the rocks of older Road River Group and younger Earn Group was encountered. Underlying the thrust fault are the soft shales and mudstones of the Akie formation continuing to a depth of 193. The contact between the Akie shales and Gunsteel shales is gradational. The Cardiac Creek Zone was encountered within the Gunsteel shales at a depth of ~597 to ~624 metres There is only a thin 80cm section of debris flow situated underneath the zone before moving into the siltstones of the Road River Group. The hole was terminated at a depth of 652.28m

Note: This drill hole experienced extreme flattening due to the presence of an extensive and pervasive fault/fault affect area between 266 to 416m. As a result the pierce point achieved is updip from its anticipated intersection.

Mineralisation table is incomplete at depth. Description are missing for bulk of zone.

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-73B	0	9	9	Casing/Overburder	Casing/Overburden	CS		CS
A-10-73B	9	65	56	Interbedded hummocky siltstone, planar siltstone and mudstone	Dominantly light to medium grey siltstone beds ranging from 4-10m in thickness and within the beds the hummocky siltstone is very thinly laminated with dark grey silty mudstone, all of which is interbedded w scattered 4-10cm thick, dark grey, moderately siliceous mudstone beds and scattered 15-60cm thick beds of light grey siltstone which is characterized by very thin planar laminations. This appears to be a sequence grading from the hummocky siltstone to planar siltstone and finally mudstone, repeating itself approximately 4 times in the first 50m, with the majority of the sequence being made up of the hummocky siltstone. From 36.09-50m there is a gradational change in the sequence where the planar siltstone and mudstone beds pick up in frequency and thickness and the hummocky siltstone beds begin to die out. The top of the hole has abundant buff-tan to orange FeO staining on cleavage and fracture planes and this weathering stops at 37m mark.	6SS	6SH	RRG
				Continued	The lower contact is bounded by the HW thrust between the overthrusted Road River rocks and the underlying rocks of the Earn Group. The exact contact is uncertain due to the intense nature of the faulting along the contact and overall poor recovery.			
A-10-73B	65	80	15	Soft mudstone	A medium to dark grey soft mudstone, with a variable soapy feel along the cleavage/fracture planes. The mudstone contains scattered light grey, blue grey calcareous bands with minor bright brassy yellow Py situated along the lower boundary of possible light grey silty beds which appear to display a grading or transition down hole into dark grey mud. It appears that Tops are downhole. These silty beds and bands disappear at 74.40m. Throughout the unit there are very thin laminations of what appears to be boundinaged? Py? The lower contact is very gradational into what appears to be interbedded Akie and Gunsteel shales	3SH		AKF
A-10-73B	80	104.93	24.93	Black mudstone/shale	A dark grey to black siliceous, carbonaceous mudstone to shale with some interbeds of soft grey mudstone. The contact between the two unit is very gradational with a gradual hardening of the mudstone, an indication of increased silica in the rock. The rock contains abundant fine sub-mm discontinuous Py lenses forming discrete bedding planes oriented predominantly at 40-50 deg to the CA. also present are scattered, continuous to discontinuous carbonate, Py +/- Pyrobitumen fracture fills or veinlets also dominantly oriented at 40-50 deg to the CA. There are also a few scattered dark grey, calcareous silty beds oriented parallel to the main bedding. The cleavage is essentially parallel to the bedding.	3TS		AKF
A-10-73B	104.93	193.2	88.27	Black mudstone/shale	A dark black predominantly massive grey shale with fine sub-mm to mm wide laminations of fine grained grey silt. Cleavage planes exhibit an overall soapy feel and graphitic sheen.Unit is moderately siliceous and weakly silicified and has an overall high competence. Occasional faulting present with largest occurring at 109.10-113.85m, proximal to the upper contact. Pyrite lenses occur sporadically, and are found both within calc-silicate veins along with within the mudstone. Bedding angles remain relatively constant at 25-35 TCA, however steepens and changes in localized zones. Cleavage also remains relatively constant at 30TCA. Occasional Calc-silicate veins present ranging in size from mm veinlets to 10cm wide. All are barren of Sphalerite and have an average angle of 30TCA. A region of medium grained silt boudins is present from 125.19-127.80m and occur at an angle of 20TCA. A structurally complex zone of faults and cross cutting veins are present at 128.68-129.06 whereby a 1.5cm wide calc-silicate vein at 110TCA is being displaced by a fault at 20 TCA, A 3-4cm later generation vein at 15TCA is also present which in turn is being cross cut by a young 5cm wide calc-silicate vein at 130 TCA which is also crosscutting the fault.	3SH	3SS	AKF
				Continued	Downhole unit progressively becomes increasingly grey and silty (tops down?). Upper contact is gradational.			

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-73B	193.2	209.52	16.32	Massive black mudstone	Massive black mudstone with sub-mm wispy laminations of pyrite bearing siltstone. Weakly to moderately siliceous and weakly silicified. Unit is competent with an overall high RQD of <85%. Beddin angles change frequently with initial angles of 20TCA uphole until ~200m, then quickly becomes subhoriztonal to core axis for approximately 5m. Occasional zones of calc-silicate stringers up to 5mm wide with an average angle of 35TCA and contain up to 3% honey brown Sphalerite and 5% dull bronze pyrite. Cleavage relatively constant at 30TCA. Occasional stepped "ladder" veins indicative of shearing. Upper contact appears to be fault bound w/ moderately developed gouge and subhorizontal calc-silicate veinlets.	4SH		GSF
A-10-73B	209.52	261.4	51.88	dark grey fine grained siltstone w/ interlaminated medium grained pyritic siltstone	Dark grey to black fine grained siltstone with interlaminations of medium grained grey often pyritized siltstone. Bedding is generally at 40TCA with cleavage occurring parallel to bedding. Overall core is competent however, competence gradually decreases downhole. At 229 the core becomes increasingly poker chipped and fault affect with occasional interlaminated shale and calc-silicate shear veins at ~80TCA. Unit then becomes extensively poker chipped from 247.00-246 due to faulting with extensively developed gouge usually 5mm in width occurring along cleavage planes of poker chipped core. Occasional veins are present and often contain trace to 1% honey brown Sphalerite and up to 5% blebbed bronze coloured pyrite. Calcite lenses also occur sporadically throughout the unit and contain up to 90% replacement by pyrite. An open fold is present from 235.2-235.40m with an interlim angle ~170 degrees.A large Quartz-calcite veining zone is present along the lower contact along with a low angle fault marking the lower contact. Upper contact is gradational over ~3-5m.	4SS		GSF
A-10-73B	261.4	308.13	46.73	Massive black mudstone	massive black mudstone with occasional sub-mm laminations of fine grained grey and finely disseminated pyrite. Bedding and cleavage angles remain relatively constant at 70 and 40TCA respectively. Cleavage planes have a graphitic sheen. Unit is moderately siliceous, poorly silicified and exhibits poor competence. The upper 40meters of the unit from 262.52-301.2 are intensely poker chipped and faulted with extensive localized zones of gouge. Faulting appears to be // to cleavage with gouge occurring between cleavage planes. From 275-287 recovery values are extremely low, with recoveries reaching <50cm and are intensely rubble and washed. below 301.2 the core remains poker chipped and blocky large extent of calc-silicate veining is also present along the upper contact fault zone.. No veins in this region appear to bare Sphalerite. Upper contact is gradational over 1m and is fault bound.	4SH		GSF
A-10-73B	308.13	310.6	2.47	fragmental shale with coarse grained siltstone clasts	Black mudstone with matrix supported coarse grained sub angular to sub-rounded siltstone clasts. Clasts range in size from <1cm to up to 8cm wide. Unit is moderately competent with moderate cleavage from 308.13-309.10m,then develops into moderately strong cleavage to lower contact, with cleavage generally occurring at 60TCA. Bedding angles appear to be // to cleavage. Unit is weakly siliceous and weakly silicified and is moderately crackled with late fractures being filled with calc-silicates. Localized lenses of calcite being replaced with by pyrite parallel to bedding. Unit also contains trace very fine grained-finely disseminated pyrite. Upper contact is gradational.	4FSH		GSF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-73B	310.6	338.57	27.97	Black mudstone	Massive black mudstone with fine laminations of fine grained dark grey silt. Unit is moderately siliceous and moderate to strongly silicified, exhibiting a buff-black sheen. Unit is poorly competent have is pervasively poker chipped with a general strong cleavage. From 311m-315m cleavage is very strong with fault gouge often occurring between cleavage planes. Cleavage decreases to moderate from 315-329m where it then increases to strong from 329-338.57m often with gouge along cleavage planes. . Cleavage generally occurs at 70TCA w/ bedding at 60TCA. Localized beds of highly concentrated mm wide concretions are also present at 316.28-316.44m and 319.25-319.46m. A network of highly concentrated cross-cutting stock work style veining is also present from 333.70-333.95m and appears to be barren of any mineralization. Upper contact is gradational over 1-2m.	4SH		GSF
A-10-73B	338.57	345.1	6.53	fragmental shale with coarse grained siltstone clasts	Massive black mudstone with occasional sub angular to surrounded clasts of medium to coarse grained siltstone. Unit is moderate to strongly siliceous and poorly silicified with poor competence. Core has moderate to strong cleavage through the interval with Faulting occurring from 342.60-343.05m and 343.55-345.04m. Core is moderately crackled with late fractures being filled with calc-silicates. Lenses of pyrite parallel to bedding are also present and are being replaced with pyrite. Bedding and cleavage angles are constant at 50TCA respectively with cleavage planes exhibiting a graphitic lustre. Upper contact is gradational.	4FSH		GSF
A-10-73B	345.1	379.05	33.95	Black mudstone with occasional zones of wispy/laminated barite nodules	Massive black shale with occasional interlaminations of wispy barite nodules. Unit is moderately siliceous and moderately silicified giving core a buff black colour, along with moderate cleavage throughout at 60-75TCA. Bedding generally occurs at 70TCA. Zones of interlaminated barite occur every 1-2m and are generally 10cm in width. From 349.51-349.65 core is crackled with late fractures filled with calc-silicates. Overall core exhibits pervasive moderate to strong cleavage as a result of faulting, often with gouge occurring along cleavage planes. From upper contact to 355.80 Cleavage in moderate, then increases to moderately strong until 364.08m. From 364.08m-375.12 cleavage becomes strong to intense with pervasive poker chipped core at 75TCA.HIgher concentrations of highly developed fault gouge occur sporadically throughout this region. Downhole concentration of barite laminations increase From 372.20m-374.00m a minor fragmental unit develops with surrounded clasts of medium grained silt up to 2cm in diameter. Occasional cal-silicate veins occur and are generally oriented at 40TCA. Upper contact is gradational.	4SH	4BSH	GSF
A-10-73B	379.05	430.45	51.4	Black mudstone	Massive black mudstone which has been extensively fault affected. Core is moderately siliceous and moderately silicified with a buff black sheen. Unit exhibits pervasive fault affected cleavage with gouge often occurring along cleavage planes. Moderate cleavage occurs from upper contact to 382.40m. From 382.40m-387.30 a Fault is present with gouge occurring along cleavage planes, and created strong to intense cleavage giving core a brittle fractured/ poker chipped appearance. Strong cleavage with fault gouge occurs again from 389m-394.40m along with 395.66-410m with cleavage occurring at 60-70TCA. Cleavage becomes moderate again from 420m to 430m. A Fault large fault occurs from 401-410. From 410m-410.969a highly veined zone is present with a stockwork network of stringers and veinlets. Faulting also occurs from 413-420m.From 421-425m another zone of concentrated calc-silicate veinlets is present with an average density of >10 per meter oriented at 40TCA and contain trace Sphalerite. Concentrated stock work style veining increases again from 428-429m.Downhole pyrite laminations increase in concentration with overall bedding angles of 60TCA. A stock work network of calc-silicate stringers and veinlets occurs from 381.65-382.00m.	4SH		GSF
A-10-73B			0	Continued	Upper contact is gradational over 2m.			

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-73B	430.45	458.2	27.75	Black mudstone with occasional zones of wispy/laminated barite nodules	Black mudstone with occasional interlaminations of nodular barite and thin laminations of very finely disseminated pyrite. Concentration of barite and pyrite increases downhole. Unit is moderately siliceous and weak to moderately silicified with an overall high competence and RQD of <75%. As a result, core exhibits moderate cleavage at average angle of 60TCA, with bedding generally parallel to cleavage. From 448.31-449.80m the core becomes highly cleaved and poker chipped as result of a fault with weakly developed gouge along cleavage planes. Calc-silicate stringers infilling late fractures occur with an average density of ~5 per meter at an average angle of 45TCA between the upper contact and 436m. A zone of highly concentrated dilation fractures infilled with calc-silicates occurs from 435.00-435.60m and again at 443-443.75m, all are barren of mineralization. Concretions begin to locally appear in this unit, with the average size being <1cm w/ an abundance of approximately 20. Upper contact is gradational.	4SH	4PYSH	GSF
A-10-73B	458.2	467.15	8.95	Pervasive laminations of pyrite interlaminated with barite nodules and black mudstone	Pervasive laminations of pyrite interlaminated with barite nodules and black mudstone. Pyrite beds ter be 1-5cm wide with interlaminated barite nodules. Concentration of laminations increases downhole. Unit is moderately siliceous, and weakly silicified. Bedding angles are relatively constant at 55TCA, with cleavage occurring at 50TCA. Cleavage intensity is moderate for duration of interval. From 459.48-459.60 a faulted fold occurs, with the fold being tight with an axial plane at 50TCA and an interim angle 20-30 degrees. The crosscutting fault occurs at 40TCA, Dextral with about 2cm of displacement. A second open "Z" fold occurs from 463.13-463.20, and is likely indicative of a synform. Occasional stepped veins occur and are oriented at 55TCA. Concretions (often septarian in nature) occur sporadically throughout the unit, with sizes varying from <1cm to 5-10cm wide. Upper contact is gradational.	4PYSH		GSF
A-10-73B	467.35	479.85	12.5	Black mudstone with occasional beds of pyrite and barite nodules	Massive black mudstone with occasional interbeds of bronze pyrite and barite nodules parallel to bedding. Concentration of pyrite and barite decreases downhole. Unit is weakly siliceous and moderately silicified giving the core a buff black colour. Mudstone has a slightly speckled appearance due to finely disseminated and homogenously distributed calcite. Bedding and cleavage are parallel with angles occurring at 50TCA. Late fractures filled with calc-silicates are evenly distributed with an average density of 5-10/meter and oriented parallel to cleavage. Shear veins occur sporadically and contain interlaminations of black mudstone and calc-silicates, oriented at 55-60TCA. A fault is present along the first 1m of the unit, and contains well cleaved/poker chipped core at 55TCA. From 477.38-479.35m a zone of highly crackled, light grey core is present with late fractures being infilled with calc-silicates. Upper contact is gradational over 1m.	4SH	4PYSH	GSF
A-10-73B	479.85	540.55	60.7	Massive black mudstone	Pervasive black mudstone, virtually barren of any bedding planes. Unit is moderate to strongly siliceous, and weakly silicified. Mudstone has a weakly speckled appearance as a result of very fine grained and disseminated calcite within the matrix. Cleavage angles fluctuate between 40-50TCA. From 479.85-485 a fault is present which consists of strongly cleaved/poker chipped core at 45TCA. Core becomes blocky from 484.00-486.41m. The rest of the core is highly competent with an average RQD of >95% as a result of very weak cleavage. A localized bed of limestone occurs from 541.28-541.40m and has sharp upper and lower contacts at 70TCA. Occasional concretions are present with the largest being 32cm in diameter. Upper contact appears to be fault bound over 1m.	4SH		GSF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-73B	540.55	557.79	17.24	Laminated pyrite with interlaminated barite nodules in black mudstone	Laminated bronze pyrite zone with interlaminated nodular barite and in a black mudstone wall rock. Pyrite beds are up to 5cm wide and contain a greyish tinge due to presence of bleached Sphalerite, along with nodular barite with pyrite replacement. Beds generally occur at 50-70TCA with cleavage parallel to sub-parallel to bedding. Zones of highly folded and convoluted bedding occur from 549.35-551.00m and 554.24-557.79m. These zones contain tight folds with bedding and cleavage parallel to th axial plane at 60TCA, along with zones of sub-horizontal anastimosing bedding. This zone of folded and convoluted bedding like represents the hinge region of a "Z" or "S" style fold. Faulting occurs from 547.90-548.80m, along with 559.40-562.81m and contains predominantly blocky and well cleaved core with weakly developed gouge along cleavage planes at 70TCA. A zone of virtually barren black shale occurs from 551.70m-554.00m, containing only calc-silicate stringers. Concretions increase in concentration within this zone, and average 2-5concretions per 3m, with sizes generally being <2cm in diameter with occasional 2-5 and 5-1cm septarian concretions. Core is moderately siliceous, and weakly silicified with an overall high RQD of >80%.	4PYSH		GSF
A-10-73B			0	Continued	Core also contains beds of very finely disseminated calcite which respectively grades out uphole (possible indication of tops up?) Upper contact is gradational over 2m.			
A-10-73B	557.79	578.7	20.91	Black shale with interbedded laminated pyrite and nodular barite	Black shale with interbeds of laminated bronze pyrite and nodular barite. Concentration of bedded pyrite and laminated barite nodules decreases downhole, with an overall concentration of ~5% py and 1% Ba. Unit is moderately competent with overall moderate cleavage at 50TCA. Faulting occurs from 559.40-562.81m, along with 573.90-576.95m, and generally contain weakly developed gouge along cleavage planes, and highly cleaved and fault affect core along fault margins. Bedding angles are generally defined by pyrite and nodular barite laminations which occur at 50TCA, parallel/sub-parallel to cleavage. Concretions appear to be evenly distributed throughout the unit, and have an average diameter of less than 1cm. Occasional concretions are septarian in nature. Shear veining occurs at 568.15-568.31m,575.85-576.33m with an average angle of 70TCA. Along the lower contact a large and concentrated Shear vein / stock work style calc-silicate stringer network is present which likely represents the upper boundary of the mineralized Cardiac Creek zone. Upper contact is gradational.	4SH	4PYSH	GSF
A-10-73B	578.7	589.64	10.94	Massive beds of bronze pyrite with minor interbedded black shale	Massive beds of bronze pyrite with minor interbedded black shale. Pyrite beds tend to be 5-10cm wide and contain trace amounts of bleached grey Sphalerite locally, and nodular barite. Interbeds of black shale tend to be 2-5cm wide. A large black shale bed occurs from 579.30m-584.68m, and is virtually barren of any sulphides. Bedding angles are constant at 80TCA, with cleavage occurring at 50TCA. Ur is weakly silicified and weakly siliceous with a moderate cleavage.Fualting occurs from 585.00-585.90m and 586.95-587.57m, and are comprised of well cleaved and blocky core. Shear veins occur at 852.56-582.58m and 583.03-583.05m exhibiting an average angle of 80TCA. Concretions appear to be evenly distributed throughout the shale interbeds, with an average size of 1-2cm, whereas fragments appear to be isolate to mineralized pyrite beds, with each bed containing up to 5 fragments which range in size from <1cm to >50cm, and are generally laminated and surrounded to sub-angular. The upper contact is marked by a highly crackled, and shear veined with overprinted calc-silicate stringers, along with a 5cm wide fault. This zone likely marks Cardiac creek contact.	4MPSH		GSF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-73B	589.64	597.11	7.47	Massive pyrite with interlaminated grey sphalerite	Massive beds of bronze pyrite with interlaminations of bleached grey Sphalerite and barite. Concentration of Sphalerite increases downhole, and carries finely disseminated galena. Mineralized beds containing pyrite and Sphalerite are generally 20-70cm wide, with 20-30 cm wide interbeds of blac shale. A large black shale interbed occurs from 595.50-597.11m which contains no suphides.Concretions continue to increase in concentration downhole, and appear to be generally contained to the black shale beds, however, minor amounts are located within mineralized beds. Fragments also increase in concentration, and unlike the concretions, are only located within mineralized beds, with an average of 3 per bed, and vary in size from <1cm to 2-5cm. The unit is weakly siliceous and weakly silicified, and exhibits moderate cleavage oriented at 45 TCA. A secondary cleavage also appears to occur parallel to sub-parallel to bedding at 70TCA. A zone of weakly crackled core occurs from 593.00-593.13m, with late fractures being filled with calc-silicates. No veining occurs within this unit except for a 3cm wide shear vein occurring along the upper contact. Upper contact is gradational over 2m.	4MPSH	4CC	GSF
A-10-73B	597.11	602.8	5.69	Massive suplhide laminations containing pyrite, sphalerite,Galena and barite	Massive sulphide laminations containing pyrite, Sphalerite, galena and barite. Beds sizes vary from 20-osver 1m wide, and contain a mottled or speckled texture indicative of a high grade zone. up to 5cm wide zones of bleached grey Sphalerite is present, along with interlaminations of galena. Barite tends be nodular to massive. barite also appears to be calcareous and being replaced by calcite. Within the mineralized beds, Unit is comprised of about 70-75% sulphides, and 25-30% black shale interbeds. Unit is competent with an average RQD of ~80%. Bedding angles generally are oriented at 80TCA, however, folding has occurred locally at 597.91-597.93m with a tight "z" fold containing an axial plane oriented at 30%TCA. Cleavage occurs at 50 TCA. four shear veins are present at 597.56m, 598.44m, 598.83m, and 601.33m and are 1-2cm wide with an orientation of 80TCA. Concretions and fragments both increase in concentration in this mineralized zone, with concretions generally decreasing in size and tend to be confined to the mudstone beds, however a few are found within the mineralized beds. On the contrary, fragments appear to have increased in size, with numerous >1cm wide fragments, and are	4CC		GSF
A-10-73B				Continued	These fragments are bedded, sub-angular to surrounded, and show "cats eyes" deformation halos around their margins, possibly indicating systral rotation of the grains. Below this zone is a 2.5m wide black mudstone bed,and subsequently, this mineralized unit likely represents the upper, zone of the cardiac creek deposit. Upper contact is gradational over 2m.			
A-10-73B	602.8	605.37	2.57	Massive black mudstone	pervasive/featureless black mudstone. Moderately siliceous, weakly silicified with a weak cleavage at 45TCA. Unit has a high RQD of > 90%. No bedding visible due to the massive nature of the mudstone. Unit contains mm wide late fractures filled with calc-silicates, parallel to cleavage with an average dens of 5 per meter at 45TCA. Mudstone unit likely marks the seperation between the lower grade upper zone, and the higher grade lower zone. Upper contact is sharp.	4SH		GSF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-73B	605.37	618.59	13.22	Massive suplhide laminations containing pyrite, sphalerite,Galena and barite	Massive mineralized zone containing 10cm- greater than 1m wide beds of bronze pyrite, bleached Sphalerite with sub-mm interlaminations of galena, along with barite. The Barite appears to be calcareous and thus, being replaced by calcite. Beds are generally dominated by Sphalerite mineralization. This replacement has given the majority of the mineralized beds a mottled texture, indicative of high grade mineralization. Down hole mineralized beds increase in barite concentration. a non-mineralized black shale interbed occurs from 609.61-610.60m. Concretions are evenly distributed throughout the black shale interbeds, with an average size of <1cm, whereas fragments are located specifically within the mineralized beds, and are generally between 3mm-2cm wide. A pyro-bitumen bed is present from 613.47-613.53m and oriented at 70TCA. Bedding angles are highly variable due to localized folding and soft sediment (?) deformation. However, bedding angles generally occur at 80TCA. Folding occurs from 608.56-609.06m, 603.00-603.20m, 614.40-614.75m. The unit is weakly siliceous and weakly silicified. Cleavage angles are continuous at 45TCA, with a secondary cleavage occurring parallel/sub parallel to bedding at 80TCA.	4CC		GSF
A-10-73B				Continued	Occasional calc-silicate stringers are present with an average orientation of 45TCA, at an average density of 3 per meter, and only found in black shale interbeds. One shear vein is present from 611.35-611.40 and contains interlaminated calc-silicates and black mudstone at 100TCA. The core exhibits moderate cleavage, with strong/poker chipped cleavage occurring from 616.20-617.40m. Upper contact is sharp.			GSF
A-10-73B	618.59	624.05	5.46	Massive beds of mineralization containing sphalerite, pyrite,galena and barite, with large interbeds of barite.	Massive mineralized beds containing bleached grey Sphalerite, pyrite and interlaminations of galena, along with interbeds of massive barite. Both of these beds are interbedded with black shale, with beds ranging in size from 5cm-1m. The largest shale interbed occurs from 619.90-620.55m. The majority of the mineralized beds are laminated with bedding angles of 80TCA, however, occasional mineralized beds have a mottled texture indicating potential high grade mineralization. A zone of convoluted and folded bedding occurs from 623.47-623.85m, and contains tight "z" folds, indicative of a syform. Mineralized beds range in size from 10cm to 60cm wide. The concentration of pyrite and barite increase downhole, with Sphalerite concentration decreasing. Cleavage is moderate to strong with angles remaining relatively constant at 80TCA. Concretions and fragments begin to decrease in concentration in this unit, with concretions remaining primarily within the shale interbeds, and fragments being located solely within the mineralized beds. A fault is present from 618.75-619.15m and contains poker chipped and fractured core with weakly developed gouge parallel to cleavage planes. One shear 5cm wide shear vein is present from 622.53-622.58m	4CC	4MBSH	GSF
				Continued	and oriented at 80TCA. Upper contact is gradational.			
A-10-73B	624.05	629.79		Massive bedded barite with interbedds of sphalerite	Massive beds of barite with minor interbeds of bleached grey Sphalerite along with interbedded bronze pyrite. Pyrite beds are deformed likely due to soft sediment(?) deformation giving the core a white and bronze convoluted appearance. Barite beds are 5-20cm wide and contain localized bladed crystals of barite from 624.97-625.30m. Bedding angles are difficult to determine due to convoluted nature, however occurs at 80TCA, with cleavage occurring subparallel to bedding. Core is fault affected and blocky from 625.85-628.75m and contains weakly developed gouge. A shear vein containing interlaminations of pyrite, black mudstone and calc-silicate stringers occurs from 628.85m-629.35m, and oriented at 75TCA. The lower 75cm of the unit is dominated by featureless black mudstone. Only five fragments occur within this unit. No concretions are observed. Upper contact is gradational over 1m.	4MBSH	4CC	GSF
A-10-73B	629.79	630.03		Nodular barite beds with minor interlaminated pyrite	Localized zone of bedded nodular barite with interlaminated bronze pyrite. Localized laminations of coarse grained digenetic pyrite which barite beds. beds occurring at 85TCA. Unit is highly siliceous and weakly silicified with cleavage occurring parallel to bedding. Upper contact is gradational over 10cm.	4BSH		GSF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-73B	630.03	630.84		Debris flow	localized bed of brecciaed debris flow with medium grained siltstone clasts varying in size from <1cm to greater than 5cm, and are angular to surrounded. Matrix is composed of black mudstone. Unit contains ~5% bladed barite crystals throughout, with concentrations being highest at 630.13-630.27m. Unit is highly siliceous and weakly silicified with bedding occurring at 80TCA, with cleavage occurring parallel to bedding.	5BXLS		GSF
A-10-73B	630.84	652.28		Light grey siltstone	Light grey medium to coarse grained siltstone containing clasts of coarse grained light grey siltstone clasts up to 5cm in diameter within the upper 2m. Unit is highly siliceous, and weakly silicified with average bedding angles of 80TCA with cleavage parallel to bedding. Bedding becomes hummocky from 638.57-639.20m, remaining at an orientation of 70TCA. Cleavage is weak, locally reaching moderate throughout the unit. In the first 50cm, bedding angles are reversed at 110TCA, indicating a localized fol A fault occurs from 632.08-632.15m, and contains moderately developed/healed gouge oriented at 70TCA. A 3cm wide barren calcite vein occurs from 634.38-634.44m and is oriented at 45TCA. Unit is barren of any mineralization. Upper contact is sharp.	6SS		RRG
					END OF HOLE			

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	ALT	INTENSITY	
A-10-73B	106.7	107.4	0.7	A small section of a light grey blue silicified section surronding a small Qtz vein present in a fault zone.	SILC	WEAK	
A-10-73B	310.6	338.57	27.97	Unit of Black gunsteel shale with moderate silicfication with a buff-black-blue sheen.	SILC	MODERATE	
A-10-73B	477.3	479.85	2.55	Zone of highly crackled and healed fault affected core. Also has a light grey appareance from high silification. Lower 1meter contains a fault comprised of fissile fractured poker chips, with weakly developed gouge locally.	SILC	STRONG	

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	PY %	SP %	GA %	BA %	CP %	PO %
A-10-73B	194.29	195.15	0.86	Zone of 7 parallel sphalerite bearing (~1%) calc-silicate stringers at 35TCA.	1	Tr.				
A-10-73B	198.41	199.85	1.44	Zone of parallel calc-silicate stringers up to 3mm wide at 30TCA with an average density of 10 per meter and contain trace-1% honey brown sphalerite and up to 5% dull bronze pyrite.	1	Tr.				
A-10-73B	208.75	209.33	0.58	Zone of late fractured/crackled core filled w/ calc-silicates along with randomly oriented veinlets up to 1cm wide and contain trace to 1% honey brown sphalerite and up to 1% pyrite.	Tr	Tr.				
A-10-73B	209.66	209.95	0.29	Two calc-silicate veins 1cm and 10cm wide at 20 and 50TCA respectively and contain trace disseminated Honey brown sphalerite.	Tr	Tr.				
A-10-73B	218.44	218.81	0.37	Late mm wide dilation fractures filled with calc-silicates along with larger veinlets veinlets with trace disseminated honey brown sphalerite		Tr.				
A-10-73B	412.85	413	0.15	Up to 10% finely disseminated pyrite parallel to bedding at 45TCA.	10					
A-10-73B	421.2	425.7	4.5	Zone of highly concentrated, primarily parallel (at 35-60 TCA) calc-silicate sringers and veinlets with a density of >10 per meter and contain trace amounts of coarse grained honey brown sphalerite. Zone is also weakly crackled with calc-silicate filled dilation fractures. Higher angle stringers appear to bare the sphalerite.	Tr	Tr.				
A-10-73B	540.55	558.06	17.51	bedded pyrite and barite shale with interbeds of black mudstone	5	Tr.		2		
A-10-73B	578.7	589.64	10.94	Massive pyrite beds ranging between 5-10cm wide, with small sub-mm laminations of barite, along with interbedded black mudstone. Mudstone interbeds generally are up to 5cm wide. Pyrite beds increase in concentration downhole, and begin to contain interlminations of light grey sphalerite downhole. Galena (finely disseminated) is also observed within the sphalerite laminations	70	Tr.	Tr.	1		
A-10-73B	589.64	597.11	7.47	massive beds of bronze pyrite which contain interlaminations of grey sphalerite and finely disseminated galena. Beds are interbedded with black shale. Mineralized beds are generally 20-70cm wide and oriented at 80TCA. Interbeds of black shale are generally 20-40cm wide and are barren of any sulphides.	60	3	1	1		
A-10-73B	597.11	602.8	5.69	Massive suplhide laminations containing pyrite, sphalerite, galena and barite. Beds sizes vary from 20-osver 1m wide, and contain a mottled or speccled texture indicative of a high grade zone. up to 5cm wide zones of bleached grey sphalerite is present, along with interlaminations of galena. Barrite tends to be nodular to massive. Within the mineralized beds, Unit is comprised of about 70-75% sulphids, and 25-30% black shale interbeds	20	15	3	5		
A-10-73B	605.37	618.59	13.22	Massive mineralized zone containing 10cm- greater than 1m wide beds of bronze pyrite, bleached sphalerite with sub-mm interlaminations of galena, along with barite. The Barite appears to be calcareous and thus, being replaced by calcite.Beds are generally dominated by sphalerite mineralization. This replacement has given the majority of the mineralized beds a mottled texure, indicative of high grade mineralization. Dowhole mineralized beds increase in barite concentration. a non-mineralized black shale interbed occurs from 609.61-610.60m.	20	35	5	8		

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	PY %	SP %	GA %	BA %	CP %	PO %
A-10-73B	618.59	624.05	5.46	Massive mineralized beds containing bleached grey sphalerite, pyrite and interlaminations of galena, along with interbeds of massive barite. Both of these beds are interbedded with black shale, with beds ranging in size from 5cm-1m. The largest shale interbed occurs from 619.90-620.55m. The majority of the mineralized beds are laminated with bedding angles of 80TCA, however, occasional mineralized beds have a mottled texture indicating potential high grade mineralization.	20	15	3	20		
A-10-73B				Massive beds of barite with minor interbeds of bleached grey sphalerite along with interbedded bronze pyrite.Barite beds are 5-20cm wide and contain localized bladed crystals of barite. Occasional zones of bladed barite						

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-73B	28.64	32.38	3.74	This interval can be divded into two sections. From 28.64 - 30.81 is characterised by Qtz-carb infill of fractures brecciating the host siltstones. From 30.81 to 32.10m there is a massive Qtz-Carb vein hosting minor amounts of Py, Cp, and Malachite. This vein is present in what appears to be a brittle fault zone.	50	40
A-10-73B	106.7	108.3	1.6	Small vein zone with Qtz-Carb veining oriented parallel to the CA at 10-40 deg to the CA. There is minor bright brassy yellow Py, and orange red Sp associated with the veining. There are also sub-mm to 2mm wide fracture filled veins oriented perpendicular to the main orientation at 40 deg to the CA.	10	25
A-10-73B	108.33	108.71	0.38	healed fault zone w/ stepped ladder veins as well as 3 larger calc-silicate veins 4cm,2cm, and 1.5cm wide at 20,30 and 150TCA respectively. First vein contains trace brassy yellow py.	40	30
A-10-73B	114.8	114.81	0.01	1cm wide shear vein with interlaminated calc-silicates and black mudstone	10	15
A-10-73B	118.15	118.16	0.01	1cm wide calc-silicate vein, slightly convoluted with a plunge indicative of dextral movement	50	30
A-10-73B	119.28	119.4	0.12	1.5cm wide calc-silicate vein w/ lenses of brassy yellow pyrite (20%)	10	30
A-10-73B	122.9	122.91	0.01	5mm wide calc-silicate stringer, barren of any mineralization	50	30
A-10-73B	123.52	123.54	0.02	1.5cm wide shear vein with interlaminated calc-silicates and black mudstone.	75	30
A-10-73B	130.2	130.26	0.06	1.5cm wide calc-silicate stringer w/ clobbular brassy yellow pyrite	50	25
A-10-73B	130.36	130.45	0.09	5cm wide vuggy calc-silicate vein	60	40
A-10-73B	132.7	132.9	0.2	Zone of highly concentrated dilation veins and stepped calc-silicate stringers from associated dextral faulting at 130TCA. Veins are generally oriented // to healed flt.	45	130
A-10-73B	133.23	133.31	0.08	8cm wide calc-silicate vein with rip-up clasts of black mudstone. Barren of any mineralization.	90	25
A-10-73B	136.7	136.71	0.01	small calc-silicate vein with blebs of brassy yellow py	50	20
A-10-73B	137.63	137.66	0.03	3cm wide shear vein with interlaminated calc-silicates and black mudstone. Barren of any mineralization	85	30
A-10-73B	152.82	153.51	0.69	zone of highly concentrated mm scale calc-silicate stringers w/ a density of >20 per meter. Barren of any mineralization.	15	45
A-10-73B	182.23	182.25	0.02	1.5cm wide calc-silicate vein w/ angular rip-up clasts of grey siltstone	60	50
A-10-73B	194.29	195.15	0.86	Zone of 7 parallel sphalerite bearing (~1%) calc-silicate stringers at 35TCA.	3	35
A-10-73B	198.41	199.85	1.44	Zone of parallel calc-silicate stringers up to 3mm wide at 30TCA with an average density of 10 per meter and contain trace-1% honey brown sphalerite and up to 5% dull bronze pyrite.	5	30
A-10-73B	202.28	202.76	0.48	Zone of Stepped "ladder" veins indicative of shearing at 20 TCA along with late calc-silicate filled dilation fractures, generally at 60TCA and often synstrally faulted by 5mm at 160TCA.	10	60
A-10-73B	208.42	208.64	0.22	zone of closely spaced mm wide late fractures filled with calc-silicates. Barren of any mineralization	15	50
A-10-73B	208.68	208.71	0.03	3cm wide calc-silicate vein which pinches out. Trace finely dissemianted py.	80	50
A-10-73B	208.75	209.33	0.58	Zone of late fractured/crackled core filled w/ calc-silicates along with randomly oriented veinlets up to 1cm wide and contain trace to 1% honey brown sphalerite and up to 1% pyrite.	40	110

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-73B	209.66	209.95	0.29	Two calc-silicate veins 1cm and 10cm wide at 20 and 50TCA respectively and contain trace disseminated Honey brown sphalerite.	20	50
A-10-73B	218.44	218.81	0.37	Late mm wide dilation fractures filled with calc-silicates along with larger veinlets veinlets with trace disseminated honey brown sphalerite	30	50
A-10-73B	235.4	235.6	0.2	Zone of weakly crackled core with late fractures filled with calc-silicates along with cross-cutting 5mm wide veinlets at 60TCA.	5	60
A-10-73B	235.84	235.85	0.01	5mm wide calc-silicate stringer, barren of any mineralization	60	40
A-10-73B	256.6	256.7	0.1	3cm wide barren calc-silicate vein on margin of fault	90	20
A-10-73B	259.2	260.38	1.18	Highly concentrated calc-silicate veins up to 5cm wide at 60,30, and 20 TCA Respectively. Low angle stringers are primarily late dilation filled fractures. All are barren of any mineralization	40	60
A-10-73B	261.71	262.37	0.66	subhorizontal calc-silicate vein >4cm wide as it encumpases the width of the core with late fractures filled with black mudstone.	90	10
A-10-73B	308.75	310.3	1.55	Crackled core with late sub-mm wide dilation fractures filled with calc-silicates. Locally are clasts of medium grained grey silstone.	5	
A-10-73B	310.76	310.95	0.19	Zone of crackled core with late fractures being filled with calc-silicates	3	
A-10-73B	333.7	333.95	0.25	High density of mm to cm wide calc-silivate veins and veinlets crosscutting in a stockwork manner.	60	
A-10-73B	338.85	338.99	0.14	Late calc-silicate filled dilation fractures, 2-5mm wide with up to 10% pyrite.	10	135
A-10-73B	339.41	339.45	0.04	Shear vein with interlaminated black mudstone and calc-silicates	80	75
A-10-73B	339.6	339.72	0.12	Two calc-silicate veinlets at 155TCA along with stringers all barren of mineralization.	10	155
A-10-73B	340.48	341.32	0.84	Crackled core with late sub-mm wide dilation fractures filled with calc-silicates. Locally are clasts of medium grained grey silstone.	5	
A-10-73B	349.51	349.65	0.14	Crackled core with late sub-mm wide dilation fractures filled with calc-silicates. Locally are clasts of medium grained calcareous grey silstone.		
A-10-73B	353.14	353.32	0.18	Moderately crackled core infilled with calc-silicates and fine grained gray silt		
A-10-73B	357.89	358.1	0.21	Weak to moderately crackled core with sub-mm dilation fractures filled with calc-silicates		
A-10-73B	363.82	364.08	0.26	3 one cm wide calc-silicate veinlets, all parallel, along with stepped lader stringers occuring perpendicular to veinlets. All baren of mineralization.	20	40
A-10-73B	380.43	380.56	0.13	Zone of mm wide calc-silicate veinlets, barren of any mineralization.	10	40
A-10-73B	381.65	382	0.35	Zone of stockwork style veinlets and stringers all randomly oriented	70	
A-10-73B	388.2	388.6	0.4	Zone of weakly crackled core filled with calcite rich silt. Possible septarian concretion?		
A-10-73B	410.01	410.96	0.95	Zone of highly concentrated stockwork style calc-silcate stringers and veinlets, all randomly oriented, giving core a healed/crackled appearance.Veins and wall rock contain up to 5% finely disseminated pyrite.	60	
A-10-73B	412.3	412.6	0.3	Late calc-silicate filled dilation fractures up to 5mm wide and contain up to 10% coarse grained and blebbed bronze coloured pyrite.	10	70
A-10-73B	417.69	417.95	0.26	Zone of parallel calc-silicate stringers up to 2mm wide all parallel and barren of any mineralization.	5	40
A-10-73B	418.33	418.83	0.5	2cm wide calc-silicate veinlet along with mm wide parallel calc-silicate stringers. All barren of any mineralization.	10	50

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-73B	421.2	425.7	4.5	Zone of highly concentrated, primarily parallel (at 35-60 TCA) calc-silicate sringers and veinlets with a density of >10 per meter and contain trace amounts of coarse grained honey brown sphalerite. Zone is also weakly crackled with calc-silicate filled dilation fractures. Higher angle stringers appear to bare the sphalerite. Cleavage throughout unit is at 60TCA.	20	60
A-10-73B	428.01	428.98	0.97	Zone of stockwork style, cross-cutting calc-silicate veinlets up to 1.5cm wide, all barren of mineralization, with what appears to be overprinted, weakly developed shear veins oriented at 70TCA along tthe lower 30cm of zone.	50	70
A-10-73B	432.37	432.39	0.02	Shear vein with interlaminated black mudstone and calc-silicates	50	60
A-10-73B	432.47	432.8	0.33	Stepped ladder stringers, 2-3mm wide and highly concentrated as a result of near by shearing.	50	160
A-10-73B	434.4	434.6	0.2	10 Parallel calc-silicate stringers along cleavage.	10	50
A-10-73B	435	435.6	0.6	zone of randomly oriented, tightly spaced calc-silicate stringers, often crosscutting and crackled.	50	65
A-10-73B	441.47	441.58	0.11	3 Parallel veinlets with stepped veins occuring perpendicular indicating shearing. All are barren of mineralization	20	55
A-10-73B	443.5	443.75	0.25	Zone of interlaminated calc-silicate veinlets and black mudstone. Likely a wide/thick shear vein. Barren of mineralization.	75	70
A-10-73B	445	445.57	0.57	Zone of weakly crackled core along with parallel calc-silicate stringers and veinlets, all barren of mineralization.	25	50
A-10-73B	446	446.08	0.08	Shear vein with Interlaminated black mudstone and calc-silicate veinlets	50	60
A-10-73B	447.16	447.18	0.02	2cm wide shear vein with interlamated mudstone and calc-silicates	40	60
A-10-73B	450.76	450.93	0.17	calc-silicate stringers and veinlets up to 1cm wide, all parallel and barren of any mineralization.	25	60
A-10-73B	459.13	459.29	0.16	Zone of 1-2mm wide anastimosing calc-silicate stringers along with 2 parallel calc-silicate veinlets. All barren of mineralization.	15	70
A-10-73B	461.12	461.13	0.01	1cm wide zone of two parallel healed shears creating stepped veins. Shears orineted at 55TCA w/ stepped veins at 150TCA.	60	55
A-10-73B	462.67	462.68	0.01	stepped ladder stringers with parallel shears oriented at 55TCA, and stepped stringers at 140TCA	50	55
A-10-73B	469.95	469.96	0.01	1cm wide calc-silicate veinlet	80	60
A-10-73B	472.11	472.15	0.04	3cm wide shear vein with interlaminated calc-silicates and black mudstone. Barren of any mineralization	40	55
A-10-73B	472.83	472.88	0.05	5cm wide shear vein with interlaminted black mudstone and calc-silicates. Barren of any mineralization.	80	60
A-10-73B	477.58	477.72	0.14	Vein zone of what appears to be an early shear vein with highly concentrated calc-silicates, which has been fault affected and crackled at a later time, giving the unit a brecciated and crackled appearance. Zone also contains stepped veins and a 5mm wide calc-siliacate veinlet.	90	
A-10-73B	477.3	479.85	2.55	Zone of highly crackled and healed fault affected core. Also has a light grey appareance from high silification. Lower 1meter contains a fault comprised of fissile fractured poker chips, with weakly developed gouge locally.	20	
A-10-73B	518.43	518.48	0.05	3cm wide calc-silicate veinlet, barren of any sulphides	75	60
A-10-73B	521.33	521.36	0.03	mm wide calc-silicate stringers, all barren of sulphides	30	50

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-73B	530.01	531.1	1.09	Zone of 15 parallel mm wide calc-silicate stringers, all barren of mineralization.	5	40
A-10-73B	547.8	547.85	0.05	5cm wide shear vein with interlaminted black mudstone and calc-silicates. Barren of any mineralization.	70	70
A-10-73B	566.4	566.58	0.18	weak to moderately developed shear vein with interlaminated black mudstone, calc-silciates, bronze pyrite and barite nodules	40	60
A-10-73B	568.15	568.31	0.16	high concentration of calc-silicate stringers between 1-6mm wide. Possible shear vein?	40	65
A-10-73B	577.7	578.7	1	1m wide zone of highly concentrated calc-silicate stringers with a general orientation of 70TCA and appears to be a early shear vein which has also been overprinted with late dilation calc-silicate veining.	80	70
A-10-73B	582.56	582.58	0.02	Shear vein with interlaminated calc-silicates and black mudstone. Barren of any sphalerite	80	75
A-10-73B	583.03	583.05	0.02	Shear vein with interlaminated calc-silicates and black mudstone. Barren of any sphalerite	90	80
A-10-73B	589.64	589.67	0.03	3cm wide shear vein with interlaminated calc-silicates and black mudstone. Barren of any mineralization	60	80
A-10-73B	593	593.14	0.14	Zone of weak to moderately crackled core with late fractures filled with calc-silicates	15	
A-10-73B	594.55	594.56	0.01	1cm wide shear vein with interlaminated calc-silicates and black mudstone	50	70
A-10-73B	597.55	597.56	0.01	5mm wide shear vein which is slightly anastimosing, with interlaminated calc-silicates and black mudstone.		
A-10-73B	601.33	601.35	0.02	slightly convoluted shear vein with interlaminated black mudstone and calc-silicates	50	80
A-10-73B	611.35	611.4	0.05	Shear vein with interlaminated black mudstone and calc-silicates	50	100
A-10-73B	622.53	622.58	0.05	5cm wide shear vein with interlaminted black mudstone and calc-silicates. Barren of any mineralization.	50	80
A-10-73B	628.75	629.35	0.6	Shear vein with interlaminations of bronze pyrite, calc-silicates and black mudstone.	50	75
A-10-73B	634.38	634.44	0.06	4cm wide calcite vein, barren of any mineralization with a 2-3mm wide calcite stringer running parallel on either side.	70	45

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-73B	10.56	10.57	0.01	Cleavage	CLV	55
A-10-73B	10.63	10.64	0.01	Siltstone Bed	BDG	60
A-10-73B	13.17	13.18	0.01	Cleavage	CLV	55
A-10-73B	13.18	13.19	0.01	Hummocky siltstone bed	BDG	55
A-10-73B	14.57	14.58	0.01	Cleavage	CLV	55
A-10-73B	14.58	14.59	0.01	Hummocky siltstone bed	BDG	55
A-10-73B	15.03	15.04	0.01	Minor fault with moderately developed gouge along the cleavage planes	FLT	60
A-10-73B	16.88	16.89	0.01	Cleavage	CLV	55
A-10-73B	16.89	16.9	0.01	Hummocky siltstone bed	BDG	55
A-10-73B	17.27	17.37	0.1	Minor fault with blocky to rubbly core, very little development of gouge.	FLT	
A-10-73B	18.28	18.58	0.3	Fault with blocky to rubble core and minor gouge development	FLT	
A-10-73B	20.61	20.62	0.01	Cleavage	CLV	55
A-10-73B	20.62	20.63	0.01	Hummocky siltstone bed	BDG	55
A-10-73B	22.61	22.62	0.01	Cleavage	CLV	55
A-10-73B	22.62	22.63	0.01	Hummocky siltstone bed	BDG	55
A-10-73B	23.51	24.12	0.61	Fault with blocky to rubbly core and minor amounts of poorly developed fault gouge	FLT	
A-10-73B	24.3	24.31	0.01	Cleavage	CLV	55
A-10-73B	24.31	24.32	0.01	Hummocky siltstone bed	BDG	55
A-10-73B	26.77	26.78	0.01	Cleavage	CLV	55
A-10-73B	26.78	26.79	0.01	Hummocky siltstone bed	BDG	55
A-10-73B	26.64	32.38	5.74	Large vein and brecciated rock with blocky to rubbly core and poorly developed gouge along fracture and cleavage planes. Internal to this zone there appears to be a healed fault zone @ 30.10 to 30.96m.	FLT	
A-10-73B	35.23	40.22	4.99	Fault zone with poker chip core, localised sections of well developed fault gouge and generally blocky to rubbly core. Section of gouge @ 39.46m is oriented at 20 deg to the CA. In general the bedding and cleavage are oriented at 60 deg to the CA,	FLT	
A-10-73B	40.39	40.4	0.01	Cleavage	CLV	45
A-10-73B	40.45	40.46	0.01	Planar siltstone bed	BDG	40
A-10-73B	41.26	68	26.74	This fault zone appears to be representative of the HW Thrust between HW Road River rocks and the Earn Group rocks (Akie, Gunsteel Formations). It is characterised by poker chip core, ground up rock, abundant graphitic partings along cleavage planes, blocky to rubbly core. Local gouge section @ 41.62 to 41.78m is apparently oriented perpendicular to the cleavage oriented at 55 deg to the CA.	FLT	
A-10-73B	69.2	69.35	0.15	Minor fault gouge present along a fracture plane	FLT	40
A-10-73B	71.45	71.46	0.01	Siltstone Bed	BDG	60
A-10-73B	72.5	72.51	0.01	Siltstone Bed	BDG	60
A-10-73B	75.69	75.7	0.01	Lamination	BDG	60
A-10-73B	78.2	78.37	0.17	Rubbly core and minor fault gouge.	FLT	20
A-10-73B	78.77	79	0.23	Fault with minor rubble, ground up core and blocky core	FLT	
A-10-73B	80.83	80.84	0.01	Cleavage	CLV	55
A-10-73B	82.39	82.4	0.01	Pyrite band	BDG	45
A-10-73B	85.2	87	1.8	Fault with minor gouge along fracture and cleavage planes with rubble and blocky core.	FLT	50
A-10-73B	87.36	87.37	0.01	Lamination	BDG	45
A-10-73B	88.85	89	0.15	Fault with rubble, blocky core and minor gouge	FLT	

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-73B	92.14	92.15	0.01	Cleavage	CLV	50
A-10-73B	95.05	95.06	0.01	Pyrite lense	BDG	45
A-10-73B	96.75	96.76	0.01	Cleavage	CLV	40
A-10-73B	96.86	96.87	0.01	Pyrite lense	BDG	40
A-10-73B	97.63	98.2	0.57	Fault with a section of moderately developed gouge with ground up core and rubble and blocky core	FLT	
A-10-73B	101.04	101.05	0.01	Pyrite lense	BDG	40
A-10-73B	102	102.01	0.01	Pyrite lense	BDG	40
A-10-73B	103.92	103.93	0.01	Pyritic siltstone bed	BDG	40
A-10-73B	104.29	104.3	0.01	Cleavage	CLV	40
A-10-73B	104.93	107.58	2.65	Fault with a central section of moderately developed gouge. Weakly developed gouge with graphitic partings occurr along cleavage and fracture planes. There is also blocky to rubbly core. The fault also contains a small Qtz-Carb vien zone and minor silicification surrounding the vein zone.	FLT	
A-10-73B	108.33	108.71	0.38	Complex zone of healed faults w/ stepped-ladder veins, two generation of dextral faulting, one at 60YCA w/ 0.5cm of dextral movement, as well as a flt at 25TCA. High density of calc-silicate veins 3-4cm wide as well at 20-35TCA. Barren.	FLT	60
A-10-73B	109.1	113.85	4.75	Fault with weakly developed gouge, and high degree of blocky and rubblycore. Within blocks are calc-silicate vein zones and shear veins which appear to be barren of any mineralization.	FLT	
A-10-73B	114.05	114.06	0.01	Pyritic siltstone bed	BDG	15
A-10-73B	115.75	116.3	0.55	Fault w/ weakly developed gouge along cleavage planes. Predominantly rubbly core with occasional poker chiops.	FLT	
A-10-73B	117.55	117.6	0.05	5mm wide calcite stringer which has been faulted systrally twice at 155TCA for a total displacement of 2cm.	FLT	155
A-10-73B	117.85	117.86	0.01	wispy laminations of grey silt	BDG	15
A-10-73B	118.05	118.06	0.01	Cleavage	CLV	20
A-10-73B	118.21	118.26	0.05	lenses of pyrite	BDG	30
A-10-73B	120.05	120.06	0.01	Cleavage	CLV	30
A-10-73B	123.06	123.31	0.25	zone of pyritic silstone boudins	BDG	35
A-10-73B	123.7	125.09	1.39	Fault zone with moderately developed gouge along the upper 50cm, then grades to poker chipped and blocky core downhole.	FLT	
A-10-73B	125.19	127.88	2.69	zone of concentrated grey siltstone boudin w/ a density of >10 per meter	BDG	20
A-10-73B	128.68	129.06	0.38	Zone of multiple generations of faulting and veining with a 2cm wide vein(oldest) at 110TCA being displaced by a fault at 20TCA with a vuggy 3cm wide calc-silicate vein at 15TCA being crosscut by a 4cm wide (youngest) vein at 135TCA. Also have a high concentration of crackled core on the downhole side of the fault (hanging wall?).	FLT	20
A-10-73B	129.35	129.36	0.01	sub-mm lamintions of grey siltstone	BDG	15
A-10-73B	130.85	130.86	0.01	Cleavage	CLV	30
A-10-73B	131.85	131.86	0.01	darky grey fine grained siltstone beds in zone of steepening bedding	BDG	15
A-10-73B	132.4	132.5	0.1	darky grey fine grained siltstone beds in zone of steepening bedding	BDG	35
A-10-73B	132.55	132.56	0.01	darky grey fine grained siltstone beds in zone of steepening bedding	BDG	45

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-73B	132.85	132.86	0.01	Zone of highly concentrated dilation veins and stepped calc-silicate stringers from associated healed dextral faulting at 130TCA. Veins are generally oriented // to healed flt.	FLT	130
A-10-73B	135.1	135.11	0.01	fine laminations of siltstone	BDG	25
A-10-73B	138.86	138.87	0.01	Cleavage	CLV	25
A-10-73B	139.77	139.78	0.01	medium grained siltstone lamination	BDG	30
A-10-73B	141.05	146	4.95	Fault with moderately developed gouge for 1m along upper contact, grades to pokerchipped and blocky core downhole with localized zones of gouge.	FLT	
A-10-73B	147.25	147.26	0.01	cleavage	CLV	40
A-10-73B	147.35	149	1.65	Fault with 50cm of highly developed gouge along upper contact. Grades to blocky core dowhole	FLT	
A-10-73B	150	150.01	0.01	wispy laminations of grey silt	BDG	20
A-10-73B	150.8	150.81	0.01	Cleavage	CLV	40
A-10-73B	155.1	155.11	0.01	Cleavage	CLV	30
A-10-73B	157	157.01	0.01	Pyritic siltstone bed	BDG	35
A-10-73B	157.8	157.81	0.01	Cleavage	CLV	45
A-10-73B	160.67	160.68	0.01	Cleavage	CLV	40
A-10-73B	163.05	163.06	0.01	medium grained siltstone lamination	BDG	25
A-10-73B	164.49	164.5	0.01	Cleavage	CLV	35
A-10-73B	165.55	165.56	0.01	Pyritic siltstone bed	BDG	25
A-10-73B	168.96	169.26	0.3	Fault wioth weakly developed gouge. Predominantly poker chipper and rubbly core	FLT	
A-10-73B	172.6	172.61	0.01	Pyritic siltstone bed	BDG	30
A-10-73B	173.95	173.96	0.01	Cleavage	CLV	30
A-10-73B	176	176.01	0.01	Open fold over 25cm with an interlim angle of ~170 degrees as defined by pyritic siltstone beds	BDG	50
A-10-73B	176.05	176.06	0.01	Open fold over 25cm with an interlim angle of ~170 degrees.	BDG	10
A-10-73B	176.1	176.11	0.01	Open fold over 25cm with an interlim angle of ~170 degrees.	BDG	25
A-10-73B	178	178.01	0.01	Bedding becomes subhorizontal as defined by pyritic siltstone laminations	BDG	10
A-10-73B	179.05	179.06	0.01	Fold over 20cm with an interlim angle of ~125 degrees.	BDG	5
A-10-73B	179.15	179.16	0.01	Fold over 20cm with an interlim angle of ~125 degrees.	BDG	130
A-10-73B	179.4	179.41	0.01	Cleavage	CLV	40
A-10-73B	185.7	185.71	0.01	Cleavage	CLV	50
A-10-73B	186.15	186.16	0.01	Pyritic siltstone bed	BDG	20
A-10-73B	187.4	187.41	0.01	"s" fold which appears to tight along the uphole side and open downhole becoming subhorizontal. Possible indication of antiform?	BDG	10
A-10-73B	187.44	187.45	0.01	"s" fold which appears to tight along the uphole side and open downhole becoming subhorizontal. Possible indication of antiform?	BDG	110
A-10-73B	187.7	187.71	0.01	"s" fold which appears to tight along the uphole side and open downhole becoming subhorizontal. Possible indication of antiform?	BDG	20
A-10-73B	188.84	188.85	0.01	laminated pyritic siltstone	BDG	50
A-10-73B	190.35	190.36	0.01	Fold over 30cm with an interlim angle of 30 degrees then grades to subhorizontal	BDG	20
A-10-73B	190.41	190.42	0.01	Fold over 30cm with an interlim angle of 30 degrees then grades to subhorizontal	BDG	55
A-10-73B	190.5	190.51	0.01	lower limb of fold w/ subhorizontal bedding	BDG	5
A-10-73B	192.15	192.4	0.25	Fault with moderately developed gouge	FLT	

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-73B	195.53	195.54	0.01	wispy laminations of grey silt	BDG	30
A-10-73B	196.92	196.93	0.01	Cleavage	CLV	30
A-10-73B	200.4	200.41	0.01	Region of anastimosing subhorizontal bedding as defined by pyrite rich laminations	BDG	175
A-10-73B	201.7	201.71	0.01	Pyrite rich laminations change angles and become shallow dipping	BDG	10
A-10-73B	202.28	202.76	0.48	Zone of Stepped "ladder" veins indicative of shearing at 20 TCA along with late calc-silicate filled dilation fractures, generally at 60TCA and often synstrally faulted by 5mm at 160TCA.	FLT	160
A-10-73B	203.85	203.86	0.01	Cleavage	CLV	35
A-10-73B	204.1	204.7	0.6	Fault with moderately developed gouge towards lower contact and along cleavage planes	FLT	35
A-10-73B	207.05	207.06	0.01	Silty laminations	BDG	30
A-10-73B	207.62	207.63	0.01	Cleavage	CLV	35
A-10-73B	210.3	210.31	0.01	medium grained siltstone lamination	BDG	40
A-10-73B	210.7	210.75	0.05	Fault with moderately developed gouge between cleavage planes	FLT	40
A-10-73B	211.7	211.71	0.01	medium grained pyritic siltstone bed	BDG	25
A-10-73B	212.95	212.96	0.01	Cleavage	CLV	40
A-10-73B	214	214.18	0.18	Fault with weakly developed gouge parallel to cleavage planes	FLT	40
A-10-73B	216.9	216.91	0.01	Cleavage	CLV	40
A-10-73B	218.1	218.11	0.01	Sub-mm lamintions of grey siltstone	BDG	40
A-10-73B	221.44	221.45	0.01	Tightly spaced finely laminated medium grey siltstone	BDG	50
A-10-73B	222.45	222.46	0.01	Cleavage	CLV	40
A-10-73B	225.9	225.91	0.01	Cleavage	CLV	40
A-10-73B	226.58	226.59	0.01	Finely laminated medium grained grey silt	BDG	60
A-10-73B	228.35	228.36	0.01	Cleavage	CLV	45
A-10-73B	229.36	229.37	0.01	medium grained siltstone lamination	BDG	70
A-10-73B	229.82	231.75	1.93	Fault comprised of predominantly poker chipped core with weak to moderately developed gouge between cleavage planes locally. At 230.05 is a 1cm wide shear vein with interlaminated mudstone and calc-silicates oriented at 75TCA.	FLT	60
A-10-73B	233.25	233.26	0.01	Cleavage	CLV	40
A-10-73B	235.2	235.21	0.01	Open fold over 20cm with an interlim angle of ~120 degrees.	BDG	30
A-10-73B	235.25	235.26	0.01	Open fold over 20cm with an interlim angle of ~120 degrees.	BDG	150
A-10-73B	235.3	235.31	0.01	Open fold over 20cm with an interlim angle of ~120 degrees.	BDG	20
A-10-73B	236.68	236.69	0.01	Finely laminated medium grained grey silt	BDG	45
A-10-73B	236.85	237.1	0.25	Fault with weakly developed gouge along upper contact, becoming pokerchipped and blocky.	FLT	30
A-10-73B	237.7	238.22	0.52	Fault predominantly comprised of brittle fractured poker chips with moderately developed gouge along existing cleavage planes.	FLT	40
A-10-73B	239	239.01	0.01	Cleavage	CLV	35
A-10-73B	243.45	243.46	0.01	Cleavage	CLV	40
A-10-73B	244.85	244.86	0.01	Almost wispy-very finely laminated medium grained silt	BDG	45
A-10-73B	246.15	246.16	0.01	Cleavage	CLV	50
A-10-73B	247	249.15	2.15	Extensively poker chipped fault with extensively developed gouge up to 5mm wide occuring between cleavage planes of poker chips.	FLT	50
A-10-73B	250.34	250.4	0.06	Numerous globular intergrown lenses of pyrite replacing calcite.		

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-73B	250.41	250.8	0.39	Fault with weakly developed gouge. Primarily fissile poker chips. With pervasively poker chipped core both uphole and downhole of fault	FLT	50
A-10-73B	252.6	252.61	0.01	laminated pyritic siltstone	BDG	35
A-10-73B	254.4	254.6	0.2	Intensely developed gouge with moderately poker chipped core occuing downhole.	FLT	30
A-10-73B	255.35	255.36	0.01	Cleavage	CLV	35
A-10-73B	255.5	256	0.5	Fault with weakly developed gouge up to 10 cm thick along cleavage planes	FLT	40
A-10-73B	257.6	257.61	0.01	Fine laminations of black mudstone or very fine grained siltstone	BDG	65
A-10-73B	260.39	261.35	0.96	Low angle fault with moderately developed gouge along cleavage plane, along with dilation fractures filled with calc-silicates up to 5mm wider and oriented at ~110TCA. A 10cm wide shear vein is also located along the lower contact and oriented 75TCA	FLT	10
A-10-73B	260.6	260.61	0.01	Cleavage	CLV	40
A-10-73B	262.52	264.12	1.6	Fault with intensely developed gouge along 50cm of upper contact with brecciated calc-silicate clasts. Lower 1m comprised of blocky core with weak to moderately developed gouge along with a stockwork of calc-silicate veinlets.	FLT	
A-10-73B	264.66	264.67	0.01	Sub-mm lamintions of grey siltstone	BDG	70
A-10-73B	264.95	269.2	4.25	Fault with highly poker chipped core for the upper 2m w/ moderately developed gouge along cleavage planes, grading to moderate to highly developed gouge along with friable and rubbly core for the lower 2m.	FLT	60
A-10-73B	269.4	269.41	0.01	sub-mm laminations of fine grained silt	BDG	50
A-10-73B	269.45	301.25	31.8	Extensive/pervasive fault zone with intensely poker chipped core with highly developed gouge along cleavage planes from 269.45-275. From 275m-292.22m core contains extensive fault gouge with recoveries of less than 50cm. Core becomes slightly more competant from 293.57-294.17 with core containing up to 3% finely disseminated pyrite. Core then becomes intensely poker chipped with highly developed gouge along cleavage planes untill the lower contact at 301.25. Within the vicinity of the lower contact from 299.90-300.30 is intensely crackled core with late fractures filled with calc-silicates. Throughout the fault, cleavage angles remain constant at 45-55TCA. Overall RQD is <5%	FLT	45
A-10-73B	301.7	301.71	0.01	Cleavage	CLV	50
A-10-73B	305.4	305.41	0.01	Cleavage	CLV	45
A-10-73B	307	307.01	0.01	Sub-mm wide lamination of siltstone	BDG	50
A-10-73B	308.75	310.3	1.55	Crackled core with late sub-mm wide dilation fractures filled with calc-silicates. Locally are clasts of medium grained grey silstone.		
A-10-73B	310.17	310.18	0.01	sub-mm lenses of calcite bearing pyrite parallel to bedding	BDG	65
A-10-73B	312.45	312.46	0.01	Cleavage	CLV	55
A-10-73B	312.9	315	2.1	Fault with weakly developed gouge along cleavage planes, and primarily broken poker chips	FLT	55
A-10-73B	315.25	315.26	0.01	Bedding with mm scale concretions occuring // to bedding planes	BDG	50
A-10-73B	317.6	317.61	0.01	Cleavage	CLV	70
A-10-73B	320.13	320.14	0.01	fine grained pyritic silt laminations	BDG	60
A-10-73B	321.57	321.58	0.01	Pyritic siltstone bed	BDG	50
A-10-73B	324	324.01	0.01	Cleavage	CLV	60
A-10-73B	327.55	327.56	0.01	Cleavage	CLV	50
A-10-73B	330.65	330.66	0.01	Dark grey fine grained siltstone laminations	BDG	55

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-73B	331.75	333.69	1.94	Fault with moderately developed gouge locally, and prevasively fissile/ broken poker chipped core.	FLT	60
A-10-73B	337	337.01	0.01	calcarous siltstone laminations	BDG	55
A-10-73B	341.45	341.46	0.01	Cleavage	CLV	50
A-10-73B	341.69	341.72	0.03	Lense of calcite w/ blebs of pyrite replacement	BDG	50
A-10-73B	342.6	343.05	0.45	Fault with well developed gouge	FLT	
A-10-73B	343.55	345.04	1.49	Fault with modeately developed gouge and brittle fractures poker chipped core	FLG	
A-10-73B	345.69	345.7	0.01	Barite nodules parallel to bedding	BDG	70
A-10-73B	346.98	346.99	0.01	Cleavage	CLV	60
A-10-73B	348.22	348.23	0.01	bed of fine grained silt with finely disseminated pyrite	BDG	65
A-10-73B	351.11	351.12	0.01	Wispy barite nodules with pyrite	BDG	80
A-10-73B	351.77	351.78	0.01	Cleavage	CLV	75
A-10-73B	352.55	352.56	0.01	Wispy barite nodules with pyrite	BDG	70
A-10-73B	355.12	355.13	0.01	Cleavage	CLV	75
A-10-73B	356.09	356.1	0.01	Pyritic laminations	BDG	65
A-10-73B	357.65	357.66	0.01	Cleavage	CLV	80
A-10-73B	358.55	360.12	1.57	Fault with moderately developed gouge occuring along cleavage planes, along with a 20 cm zone of healed gouge.	FLT	70
A-10-73B	361	361.01	0.01	5cm wide zone of interlaminated nodular barite and black mudstone	BDG	60
A-10-73B	363.7	363.71	0.01	Cleavage	CLV	60
A-10-73B	364.08	369.95	5.87	Fault with intensely poker chipped core along with moderate gouge occuring along cleavage planes. Zones of fissile/broken poker chips locally.	FLT	80
A-10-73B	371.11	371.12	0.01	50cm wide zone ofblack shale with interlaminated pyrite bearing barite nodules	BDG	60
A-10-73B	374	375.12	1.12	Fault with primarly brittle fractured poker chips along with a 1cm wide shear vein at 80TCA.	FLT	80
A-10-73B	375.54	376.44	0.9	Zone of differentially erroded core with highly and randomly convoluted and interlaminated bedding with black mudstone, fine grained silt along with late calc-silicate filled fractures.	BDG	
A-10-73B	376.7	376.71	0.01	Cleavage	CLV	70
A-10-73B	378.5	378.51	0.01	Bedding with sub-mm coarsely disseminated pyrite.	BDG	70
A-10-73B	380.3	380.31	0.01	Pyrite rich lamination	BDG	65
A-10-73B	381.07	381.64	0.57	Fault with moderately developed gouge locally along cleavage planes along with brittle fractured poker chipped core	FLT	60
A-10-73B	382.28	382.29	0.01	Cleavage	CLV	70
A-10-73B	382.4	387.3	4.9	Fault with pervasively strong cleavage/poker chipped core containing weak to moderately developed gouge along cleavage planes.	FLT	70
A-10-73B	387.75	387.76	0.01	Cleavage	CLV	65
A-10-73B	389.95	389.96	0.01	pyrite and barite rich lamination	BDG	60
A-10-73B	391.07	391.08	0.01	Cleavage	CLV	55
A-10-73B	391.4	394.4	3	Fault with predominantly blocky and poker chipped core with weakly developed gouge along cleavage planes. Localized 10cm wide zone of interlaminated barite nodules occring from near lower contact.	FLT	45
A-10-73B	395.55	395.56	0.01	Cleavage	CLV	50

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-73B	395.66	398.4	2.74	Fault containing blocky and poker chipped core along with weakly developed gouge along cleavage planes. Along lower contact poker chips become brittle fractured.	FLT	50
A-10-73B	398.85	398.86	0.01	Cleavage	CLV	85
A-10-73B	400.65	400.66	0.01	Cleavage	CLV	50
A-10-73B	401	410	9	Fault with strong cleavage for the upper 2.5m with moderately developed gouge along cleavage planes. Grades to intensely developed gouge for the middle portion of fault. A 10cm wide calc-silicate vein is present in the middle of the fault at 30TCA.Lower 3m comprised of blocky and moderately cleaved core at 50TCA.	FLT	50
A-10-73B	410.96	412.06	1.1	Fault with intensely developed gouge along upper 50cm, grades to moderately cleaved core with weakly developed gouge along some occasional cleavage planes.	FLT	50
A-10-73B	412.3	412.31	0.01	Laminations of very finely disseminated pyrite	BDG	55
A-10-73B	413.26	417.1	3.84	Fault comprised of blocky core with zones of moderately developed gouge locally.	FLT	
A-10-73B	417.3	417.31	0.01	Cleavage	CLV	45
A-10-73B	418.89	420.2	1.31	Fault with primarly blocky andf moderately strong cleavage w/ localized weakly developed gouge along cleavage planes.	FLT	55
A-10-73B	420.3	420.31	0.01	coarsely dissemianted blebs of pyrite replacing calcite parallel to bedding	BDG	35
A-10-73B	421	421.01	0.01	Cleavage	CLV	40
A-10-73B	425.85	425.86	0.01	Cleavage	CLV	35
A-10-73B	426.76	428	1.24	Fault with moderate cleavage and localized 15cm patches of weakly developed gouge parallel to cleavage planes. Along upper contact are closely spaced mm wide calc-silicate stringers at 40 TCA. Possible weakly developed shear vein?	FLT	40
A-10-73B	430.55	430.56	0.01	bed of fine grained silt with finely disseminated pyrite	BDG	65
A-10-73B	431.24	431.25	0.01	Cleavage	CLV	65
A-10-73B	433.82	433.83	0.01	bed of fine grained silt with finely disseminated pyrite	BDG	60
A-10-73B	436.03	436.04	0.01	Sub-mm barite nodule laminations containing pyrite replacement.	BDG	65
A-10-73B	437.48	437.49	0.01	Cleavage	CLV	60
A-10-73B	439.69	439.7	0.01	wispy laminations of barite nodules along with interlaminations of finely disseminated pyrite	BDG	55
A-10-73B	441.1	441.11	0.01	Cleavage	CLV	55
A-10-73B	442.4	442.41	0.01	Bedding with inerlaminated finely disseminated pyrite	BDG	50
A-10-73B	444.28	444.29	0.01	Cleavage	CLV	65
A-10-73B	446.68	446.69	0.01	40cm wide zone of interlaminated barite nodules and finely dissemianted pyrite	BDG	55
A-10-73B	447.1	447.11	0.01	Cleavage	CLV	55
A-10-73B	448.31	449.8	1.49	Fault zone which contains strong cleavage and weakly developed gouge along cleavage planes.	FLT	65
A-10-73B	453.3	453.31	0.01	Cleavage	CLV	55
A-10-73B	451.48	451.49	0.01	interlaminations of bronze pyrite and barite nodules	BDG	55
A-10-73B	454.9	455.85	0.95	Fault with predominantly blocky and poker chipped core with weakly developed gouge along cleavage planes.	FLT	
A-10-73B	457.66	457.67	0.01	Cleavage	CLV	50
A-10-73B	458.93	458.94	0.01	Pyrite bed with interlaminated barite nodules	BDG	55
A-10-73B	459.48	459.49	0.01	Dextral fault with 2cm of displacement, cross-cutting pyrite beds	FLT	45
A-10-73B	461.45	461.46	0.01	Cleavage	CLV	50
A-10-73B	462.13	462.14	0.01	20cm wide zone of interlaminted pyrite and barite nodules	BDG	55

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-73B	463.13	463.2	0.07	Open "z" style fold indicative of syform. With upper limb oriented at 90, hinge at 180 and lower limb at 60TCA.	BDG	90
A-10-73B	464.25	464.26	0.01	Zone of high density of pyrite beds and interlaminated barite nodules.	BDG	50
A-10-73B	465.3	465.54	0.24	Zone of high concentrated barite nodules, giving the core a weak fragmental appearance	BDG	60
A-10-73B	466	467	1	Fault with predominantly blocky core	FLT	
A-10-73B	467.35	467.75	0.4	Fault with highly cleaved/poker chipped core with weakly developed gouge occuring along cleavage planes.	FLT	55
A-10-73B	468.18	468.24	0.06	Bed of medium grained light grey silt.	BDG	60
A-10-73B	469.18	469.19	0.01	Cleavage	CLV	50
A-10-73B	473.6	473.61	0.01	Zone of interbedded bronze pyrite and barite nodules	BDG	50
A-10-73B	475.26	475.41	0.15	Zone of concentrated barite nodules and finely disseminated bronze pyrite.	BDG	45
A-10-73B	475.69	476	0.31	Fault with a 10cm wide shear vein along the upper contact, primarly comprised of calc-silicates with minor interlaminated black mudstone at 45TCA. Fault is primarily moderately strong cleavage with weakly developed gouge locally.	FLT	
A-10-73B	476.27	476.28	0.01	Cleavage	CLV	45
A-10-73B	476.95	476.96	0.01	Bed of medium grained light grey silt.	BDG	40
A-10-73B	482.14	482.15	0.01	Pyritic siltstone bed	BDG	45
A-10-73B	483.64	483.65	0.01	Cleavage	CLV	40
A-10-73B	487.69	487.7	0.01	Cleavage	CLV	45
A-10-73B	490.3	490.31	0.01	Cleavage	CLV	45
A-10-73B	492.5	492.51	0.01	Cleavage	CLV	55
A-10-73B	496	496.01	0.01	Cleavage	CLV	55
A-10-73B	500.95	500.96	0.01	Cleavage	CLV	55
A-10-73B	503.55	503.85	0.3	Fault comrised of predominantly poker chipped core with moderately developed gouge along cleavage planes.	FLT	
A-10-73B	505.32	505.33	0.01	Cleavage	CLV	50
A-10-73B	508.2	508.21	0.01	Cleavage	CLV	55
A-10-73B	511.15	512.07	0.92	Fault with highly both blocky and highly cleaved core. Weakly developed gouge locally.	FLT	
A-10-73B	513.88	513.89	0.01	Cleavage	CLV	50
A-10-73B	515.95	515.96	0.01	Cleavage	CLV	55
A-10-73B	520.41	520.42	0.01	Cleavage	CLV	55
A-10-73B	523.15	523.47	0.32	Fault comprised of blocky and moderate cleavage with weakly developed gouge parallel to cleavage	FLT	55
A-10-73B	526.13	526.14	0.01	Cleavage	CLV	50
A-10-73B	534.45	534.46	0.01	fine grained pyritic silt laminations	BDG	60
A-10-73B	540.55	540.56	0.01	fine grained pyritic silt laminations	BDG	70
A-10-73B	541.28	541.4	0.12	Bed of white fine grained limestone	BDG	70
A-10-73B	542.87	542.88	0.01	Region of interbedded bronze pyrite with interlaminated barite nodules.	BDG	70
A-10-73B	543.83	543.84	0.01	Cleavage	CLV	50
A-10-73B	547.86	548.8	0.94	Fault with moderate to high cleavage along with poker chips. Weakly developed gouge aong cleavage planes	FLT	55
A-10-73B	549.44	549.45	0.01	10cm wide "z" fold with an axial plane parallel to cleavage at 65TCA	BDG	110

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-73B	549.47	549.48	0.01	10cm wide "z" fold with an axial plane parallel to cleavage at 65TCA	BDG	40
A-10-73B	549.51	549.52	0.01	10cm wide "z" fold with an axial plane parallel to cleavage at 65TCA	BDG	90
A-10-73B	549.85	549.86	0.01	Fold over 20cm wide tight fold with an axial plane parallel to cleavage and bedding	BDG	80
A-10-73B	549.9	549.91	0.01	Fold over 20cm wide tight fold with an axial plane parallel to cleavage and bedding	BDG	60
A-10-73B	550	550.01	0.01	Fold over 20cm wide tight fold with an axial plane parallel to cleavage and bedding	BDG	80
A-10-73B	550.25	550.5	0.25	low angle anastimosing and convoluted bedding	BDG	15
A-10-73B	550.8	550.81	0.01	Tight fold with an axial plane which is parallel to cleavage and bedding	BDG	50
A-10-73B	550.9	550.91	0.01	Tight fold with an axial plane which is parallel to cleavage and bedding	BDG	90
A-10-73B	551.52	551.53	0.01	Bedding angles become regular again, outlined by pyrite beds with interlaminated barite	BDG	50
A-10-73B	554.74	555.82	1.08	low angle anastimosing and convoluted pyrite and barite rich bedding	BDG	20
A-10-73B	556.67	557.74	1.07	Low angle anastimosing and folded bedding with angles ranging from 15-150TCA.	BDG	20
A-10-73B	558.06	558.07	0.01	Bedding angle reverses, likely representing the lower limb of a fold	BDG	110
A-10-73B	558.75	558.76	0.01	Cleavage	CLV	50
A-10-73B	559.4	562.81	3.41	Fault comprised of high cleavage and poker chipped core with weakly developed gouge occuring parallel to cleavage planes.	FLT	60
A-10-73B	565.35	565.36	0.01	5cm wide bed of pyrite with interlaminated barite nodules	BDG	50
A-10-73B	566.4	566.41	0.01	interlaminations of bronze pyrite and barite nodules	BDG	60
A-10-73B	569.98	569.99	0.01	Cleavage	CLV	55
A-10-73B	571.77	571.78	0.01	Cleavage	CLV	50
A-10-73B	573.9	575.32	1.42	Fault with strong cleavage containing weakly developed gouge parallel to cleavage planes. Localized zones of blocky and friable core. A zone of competant core from 574.08-578.15m contains a 5cm wide barren calc-silicate vein oriented at 65TCA. A 5cm wide shear vein with interlaminated black mudstone and calc-silicates is also present from 574.50-574.55m oriented at 50TCA.	FLT	70
A-10-73B	575.6	576.95	1.35	Fault comprised of primarily strongly cleaved core at 70TCA, with weakly developed gouge parallel to cleavage planes. Crom 575.85-576.33 a zone of randomly oriented calc-silicate stringers is present, all barren of mineralization. A 3cm wide shear vein is also present along the lower contact of the fault,oriented parallel to cleavage.	FLT	70
A-10-73B	577.53	577.54	0.01	5cm wide zone of interlaminated nodular barite, bronze pyrite and black mudstone	BDG	60
A-10-73B	578.7	578.81	0.11	Fault with well developed gouge occuring along the upper contact of the MPSH unit	FLT	80
A-10-73B	578.95	578.96	0.01	Massive pyrite bed with interlaminated barite	BDG	80
A-10-73B	579.8	579.81	0.01	Cleavage	CLV	50
A-10-73B	581.85	581.86	0.01	Zone of massive pyrite beds	BDG	80
A-10-73B	584.75	584.76	0.01	Cleavage	CLV	50
A-10-73B	585	585.9	0.9	Fault with blocky/brittle core and weakly developed gouge locally	FLT	
A-10-73B	586.75	586.76	0.01	Massive pyrite bed with interlaminated barite	BDG	70
A-10-73B	586.95	587.57	0.62	Fault comprised of brittle poker chipped core	FLT	
A-10-73B	589.1	589.11	0.01	Cleavage	CLV	50
A-10-73B	589.83	589.84	0.01	Massive pyrite bed with interlaminated sphalerite	BDG	75
A-10-73B	590.43	590.44	0.01	Cleavage	CLV	45
A-10-73B	591.62	591.63	0.01	massive 1m wide bed of bronze pyrite with interlaminations of grey sphalerite and wispy nodular barite	BDG	70

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-73B	594.25	594.26	0.01	10cm wide bed of massive bronze coloured pyrite and interlaminated bleached grey sphalerite and wispy nodular barite	BDG	80
A-10-73B	596.03	596.04	0.01	Cleavage	CLV	60
A-10-73B	597.24	597.25	0.01	Massive mineralized bed containing pyrite, sphalerite, galena and barite	BDG	70
A-10-73B	597.91	597.92	0.01	Small tight "z" fold within a massive mineralized bed, with an axial plane oriented at 30TCA.	BDG	80
A-10-73B	597.92	597.93	0.01	Small tight "z" fold within a massive mineralized bed, with an axial plane oriented at 30TCA.	BDG	180
A-10-73B	597.93	597.94	0.01	Small tight "z" fold within a massive mineralized bed, with an axial plane oriented at 30TCA.	BDG	70
A-10-73B	600.53	600.54	0.01	Massive mineralized bed containing pyrite, sphalerite, galena and barite	BDG	80
A-10-73B	601.03	601.04	0.01	Cleavage	CLV	50
A-10-73B	601.77	601.78	0.01	Massive mineralized bed containing pyrite, sphalerite, galena and barite	BDG	85
A-10-73B	604.45	604.46	0.01	Cleavage	CLV	45
A-10-73B	605.91	606.28	0.37	Fault with strongly developed along the upper contact, and grades to healed, calc-silicate rich gouge along lower contact.	FLT	
A-10-73B	607.25	607.26	0.01	40cm wide mineralized/folded zone	BDG	145
A-10-73B	607.51	607.52	0.01	40cm wide mineralized/folded zone	BDG	80
A-10-73B	607.85	607.86	0.01	Cleavage	CLV	40
A-10-73B	608.56	608.57	0.01	50cm wide zone of folded mineralized beds, with a mottled texture	BDG	100
A-10-73B	608.62	608.63	0.01	50cm wide zone of folded mineralized beds, with a mottled texture	BDG	135
A-10-73B	608.7	608.71	0.01	50cm wide zone of folded mineralized beds, with a mottled texture	BDG	40
A-10-73B	608.81	608.82	0.01	50cm wide zone of folded mineralized beds, with a mottled texture	BDG	90
A-10-73B	608.92	608.93	0.01	50cm wide zone of folded mineralized beds, with a mottled texture	BDG	15
A-10-73B	609.06	609.07	0.01	50cm wide zone of folded mineralized beds, with a mottled texture	BDG	85
A-10-73B	610.18	610.19	0.01	Cleavage	CLV	45
A-10-73B	611.85	611.86	0.01	Massive mottled mineralized bed with sphalerite, pyrite, galena and barite	BDG	80
A-10-73B	613	613.15	0.15	high angle convoluted and folded mineralized beds	BDG	165
A-10-73B	603.47	603.53	0.06	6cm wide pyro-bichumen bed	BDG	70
A-10-73B	614.62	614.63	0.01	30cm wide convoluted mottled and mineralized bed with tight folds	BDG	70
A-10-73B	614.82	614.83	0.01	Cleavage	CLV	45
A-10-73B	616.2	616.21	0.01	Cleavage	CLV	80
A-10-73B	618.31	618.32	0.01	1m wide highly mineralized and mottled bed of sphalerite, pyrite,galena and barite	BDG	85
A-10-73B	618.7	619.15	0.45	Fault containing poker chipped and blocky core with weakly developed gouge along cleavage planes. Core is mineralized with pyrite, and minor sphalerite	FLT	
A-10-73B	619.95	619.96	0.01	Cleavage	CLV	60
A-10-73B	621.39	621.4	0.01	Massive mineralized bed containing pyrite, sphalerite, galena and barite	BDG	80
A-10-73B	623.47	623.48	0.01	40cm wide zone of folded and convoluted mineralized beds	BDG	90
A-10-73B	623.52	623.53	0.01	40cm wide zone of folded and convoluted mineralized beds	BDG	40
A-10-73B	623.54	623.55	0.01	40cm wide zone of folded and convoluted mineralized beds	BDG	90
A-10-73B	624.61	624.62	0.01	Lamination of bronze pyrite	BDG	80
A-10-73B	626.7	628.75	2.05	Fault comprised of blocky core with weakly developed gouve locally, with gouge occuring parallel to cleavage planes at 50TCA	BDG	50
A-10-73B	629.8	629.81	0.01	Bed of barite nodules	BDG	85

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-73B	631.15	631.16	0.01	fine interlaminations of medium and coarse grained grey silt. Bedding angle begins reversed from above, indicating a localized fold.	BDG	110
A-10-73B	632.08	632.15	0.07	Fault with moderately developed/healed gouge with weak late calcite filled dilation fractures.	FLT	70
A-10-73B	633.32	633.33	0.01	Cleavage	CLV	70
A-10-73B	634.85	634.86	0.01	interlaminated coarse and medium grained silt	BDG	75
A-10-73B	637.77	637.78	0.01	Cleavage	CLV	80
A-10-73B	638.57	639.2	0.63	Hummocky siltstone bed	BDG	70
A-10-73B	641.15	641.16	0.01	Cleavage	CLV	70
A-10-73B	643.41	643.42	0.01	coarse grained siltstone interlaminated with medium grained silt	BDG	70
A-10-73B	646.18	646.19	0.01	Cleavage	CLV	70
A-10-73B	650.4	650.41	0.01	interlaminated coarse and medium grained silt	BDG	80

									7AX	7AX	7AX	7AX	7AX	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	WGHT	7AR.1	7AR.1
								10000	Mo	Cu	Pb	Zn	Ag	Ba	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Wgt	Pb	Zn
HOLE ID	FROM	TO	LENGTH	SAMPLE #	% SULPHIDES	% SHALE	STANDARDS	CERTIFICATE #	PPM	PPM	%	%	PPM	%	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	NONE	KG	%	%
A-10-73B	540.6	541.69	1.09	851851			Standard Pb 129	VAN10006051	3.6	2824.5	1.2141	2.0961	25.2	0.0893	11.6	10.7	835	3.38	13	<0.5	1.2	69	122.1	36.6	0.9	36	1.07	0.082	10.0	22.0	1.41	202	0.110	1.89	0.06	0.24	<0.5	0.16	2.5	<0.5	1.87	5	<2	N.A.	0.02		
A-10-73B	540.6	541.69	1.09	851852		100		VAN10006051	26.8	36.2	0.00155	0.0908	<0.5	4.5826	67.9	8.5	163	1.66	19	8.0	3.3	1180	7.6	7.6	<0.5	95	2.45	0.051	15.2	9.3	0.16	4664	0.005	1.82	<0.01	0.13	<0.5	0.24	2.8	1.3	0.93	<5	9	2.4153	2.43		
A-10-73B	541.69	542.7	1.01	851853	10	90		VAN10006051	16.3	39.1	0.00201	0.0072	0.6	1.779	54.7	9.8	212	2.93	22	4.7	4.1	628	<0.5	11.0	<0.5	26	3.77	0.045	14.6	5.7	0.09	765	0.004	0.73	<0.01	0.20	<0.5	0.11	2.3	2.8	3.08	<5	6	2.30912	2.40		
A-10-73B	542.7	543.65	0.95	851854	10	90		VAN10006051	15.7	47.5	0.00211	0.0052	0.7	2.8947	56.5	10.3	310	3.44	24	4.3	4.0	292	<0.5	10.5	<0.5	29	2.91	0.049	13.9	5.8	0.07	635	0.004	1.14	<0.01	0.19	<0.5	0.17	2.3	3.3	3.32	<5	3	2.44632	2.18		
A-10-73B	543.65	544.95	1.3	851855	5	95		VAN10006051	19.2	39.0	0.00219	0.0266	<0.5	2.7141	72.2	10.6	177	2.92	22	6.0	4.4	228	1.5	6.6	<0.5	32	1.94	0.052	17.2	7.2	0.07	913	0.004	1.06	<0.01	0.21	<0.5	0.13	2.8	2.4	2.79	<5	5	2.35965	2.88		
A-10-73B	544.95	546.1	1.15	851856		100		VAN10006051	23.7	38.1	0.0017	0.0395	<0.5	2.6958	75.6	12.1	117	2.24	19	7.2	4.9	239	2.7	3.7	<0.5	36	1.83	0.052	18.8	6.8	0.07	1295	0.005	1.13	<0.01	0.22	<0.5	0.15	2.5	1.8	2.08	<5	4	2.41374	2.53		
A-10-73B	546.1	547.25	1.15	851857	5	95		VAN10006051	18.8	46.5	0.00236	0.0286	0.6	2.7818	67.0	9.4	162	4.05	27	5.7	4.2	207	2.2	6.4	<0.5	30	1.24	0.052	16.5	5.4	0.06	580	0.004	1.08	<0.01	0.20	<0.5	0.20	2.4	4.2	4.06	<5	5	2.43435	2.56		
A-10-73B	547.25	547.89	0.64	851858	40	60		VAN10006051	16.3	62.6	0.00242	0.0091	0.8	2.2694	57.1	9.6	231	5.03	33	4.5	4.5	356	1.1	8.7	<0.5	28	1.41	0.050	16.1	6.5	0.07	367	0.005	0.86	<0.01	0.20	<0.5	0.18	2.1	6.4	5.30	<5	5	2.45353	1.42		
A-10-73B	547.89	549.17	1.28	851859	1	99		VAN10006051	27.6	35.9	0.00154	0.0306	<0.5	1.7027	55.5	8.0	56	1.97	18	6.0	3.7	89	2.4	4.5	<0.5	31	0.44	0.044	14.7	5.1	0.03	1928	0.004	0.58	<0.01	0.16	<0.5	0.15	1.5	1.8	1.98	<5	3	2.40762	2.71		
A-10-73B	549.17	550.17	1	851860	20	80		VAN10006051	23.8	41.9	0.00199	0.0024	<0.5	1.8727	62.1	10.1	139	2.80	22	7.0	4.3	379	<0.5	5.4	<0.5	36	2.07	0.049	18.0	6.6	0.05	1005	0.005	0.66	<0.01	0.19	<0.5	0.11	2.0	1.9	2.93	<5	4	2.38199	2.33		
A-10-73B	549.17	550.17	1	851861	20	80	Coarse Dup of 851860	VAN10006051	22.6	40.2	0.00212	0.0028	<0.5	1.9676	63.2	10.3	140	2.81	22	7.5	4.3	362	<0.5	5.7	<0.5	33	2.05	0.046	18.1	5.8	0.05	811	0.005	0.65	<0.01	0.19	<0.5	0.11	1.9	1.7	2.93	<5	5	2.40408			
A-10-73B	550.17	551.17	1	851862	15	85		VAN10006051	31.1	47.9	0.00192	0.003	<0.5	1.7517	85.8	11.5	98	2.56	23	8.4	4.4	240	<0.5	5.1	<0.5	44	1.30	0.049	16.1	6.6	0.04	1082	0.005	0.63	<0.01	0.18	<0.5	0.09	1.7	1.8	2.67	<5	7	2.44285	2.41		
A-10-73B	551.17	552.5	1.33	851863	1	99		VAN10006051	23.3	42.0	0.00193	0.0222	<0.5	2.1662	71.9	9.5	62	2.24	21	5.8	4.4	79	1.2	5.3	<0.5	41	0.48	0.052	20.6	7.0	0.04	1441	0.005	0.91	<0.01	0.21	<0.5	0.12	1.7	2.0	2.16	<5	7	2.45074	2.89		
A-10-73B	552.5	553.65	1.15	851864		100		VAN10006051	35.8	29.1	0.00136	0.0444	<0.5	2.1249	47.1	7.8	64	1.94	16	7.1	3.2	126	3.4	4.2	<0.5	31	0.64	0.038	13.3	6.9	0.03	1886	0.003	0.78	<0.01	0.14	0.6	0.19	1.3	1.7	1.77	<5	5	2.42558	3.14		
A-10-73B	553.65	554.74	1.09	851865	1	99		VAN10006051	17.6	30.2	0.00123	0.0039	<0.5	2.7479	60.8	8.9	108	2.33	17	4.0	3.8	105	<0.5	3.0	<0.5	34	0.71	0.048	18.2	6.6	0.05	1411	0.005	0.99	<0.01	0.17	<0.5	0.14	2.0	2.6	2.14	<5	5	2.50837	2.02		
A-10-73B	554.74	555.72	0.98	851866	20	80		VAN10006051	15.4	68.1	0.00272	0.0019	0.8	3.0639	49.5	8.7	190	7.11	33	5.0	3.0	140	0.8	7.3	<0.5	26	0.79	0.049	14.2	7.6	0.04	241	0.004	0.96	<0.01	0.16	<0.5	0.29	2.1	8.8	7.45	<5	5	2.53415	2.11		
A-10-73B	555.72	556.67	0.95	851867		100		VAN10006051	14.8	19.9	0.0006	0.0009	<0.5	5.0909	48.6	9.0	47	1.82	11	4.1	4.4	34	<0.5	1.6	<0.5	33	0.38	0.055	22.2	8.1	0.05	3637	0.005	2.05	<0.01	0.18	<0.5	0.08	2.3	2.0	0.98	<5	3	2.46297	1.78		
A-10-73B	556.67	557.79	1.12	851868	30	70		VAN10006051	11.6	72.7	0.00381	0.0025	0.6	3.3309	44.2	6.9	370	6.85	37	4.3	3.0	117	<0.5	8.1	<0.5	28	0.67	0.049	13.3	6.5	0.04	273	0.004	1.09	<0.01	0.15	0.5	0.26	1.8	7.4	7.12	<5	6	2.50751	2.64		
A-10-73B	557.79	559.2	1.41	851869	5	95		VAN10006051	18.4	31.7	0.00125	0.0053	<0.5	3.567	56.7	10.2	156	2.73	19	6.4	4.8	225	0.6	2.8	<0.5	34	1.82	0.056	20.0	6.4	0.06	985	0.005	1.27	<0.01	0.20	<0.5	0.06	2.2	3.0	2.47	<5	4	2.48253	2.83		
A-10-73B	559.2	560.25	1.05	851870	10	90		VAN10006051	15.3	47.2	0.00199	0.0021	<0.5	2.8223	59.4	9.0	237	4.01	25	3.8	4.6	389	<0.5	5.7	<0.5	34	2.71	0.053	17.8	6.0	0.08	464	0.005	1.01	<0.01	0.20	<0.5	0.16	2.8	5.0	4.04	<5	6	2.47915	1.87		
A-10-73B	559.2	560.25	1.05	851871			Blank BL 108	VAN10006051	<0.5	13.7	0.0003	0.0026	<0.5	0.097	1.9	2.6	518	1.50	<5	1.5	5.0	10	<0.5	<0.5	<0.5	12	0.14	0.017	8.1	12.5	0.21	141	0.078	0.63	0.11	0.33	<0.5	<0.05	4.2	<0.5	<0.05	<5	<2	N.A.	0.02		
A-10-73B	560.25	561.4	1.15	851872	5	95		VAN10006051	20.9	39.4	0.00173	0.0072	<0.5	3.3131	72.4	11.6	209	3.02	23	6.7	4.9	275	0.7	5.3	<0.5	40	2.37	0.054	19.1	7.4	0.08	820	0.007	1.29	<0.01	0.22	<0.5	0.14	3.2	3.5	2.81	<5	6	2.43375	2.53		
A-10-73B	561.4	562.81	1.41	851873	10	90		VAN10006051	18.4	42.4	0.00161	0.0024	0.6	3.7649	64.1	10.0	157	3.11	22	5.4	4.3	180	<0.5	8.7	<0.5	35	1.15	0.055	18.6	5.9	0.09	611	0.004	1.24	<0.01	0.18	<0.5	0.15	2.3	3.6	2.86	<5	4	2.44304	3.02		
A-10-73B	562.81	564.05	1.24	851874	10	90		VAN10006051	16.4	44.9	0.00187	0.0176	0.5	3.5073	66.7	9.6	124	3.40	21	5.2	3.9	148	1.5	9.9	<0.5	34	1.18	0.051	17.0	6.6	0.06	592	0.004	1.21	<0.01	0.16	<0.5	0.11	2.1	3.5	3.22	<5	4	2.46638	2.59		
A-10-73B	564.05	565.35	1.3	851875	1	99		VAN10006051	20.5	34.8	0.00158	0.0388	<0.5	2.2869	80.6	11.2	114	2.27	18	6.4	4.7	208	4.0	5.8	<0.5	32	1.91	0.054	19.0	5.5	0.07	1349	0.005	0.89	<0.01	0.19	0.7	0.14	2.5	2.0	2.23	<5	6	2.37552	2.80		
A-10-73B	565.35	566.35	1	851876	10	90		VAN10006051	18.5	42.0	0.00187	0.0079	0.7	2.8154	69.8	10.5	179	2.95	24	5.3	4.8	233	0.7	11.1	<0.5	41	1.55	0.054	19.9	7.8	0.10	801	0.005	1.16	<0.01	0.22	0.5	0.05	2.9	3.2	2.76	<5	6	2.43849	2.63		
A-10-73B	566.35	567.85	1.5	851877		100		VAN10006051	43.5	40.7	0.00154	0.1468	0.7	2.4983	84.6	8.6	54	1.91	28	11.8	3.1	123	14.8	14.5	<0.5	92	0.80	0.040	14.9	6.4	0.04	1486	0.005	0.93	<0.01	0.15	0.6	0.32	1.7	1.9	1.79	<5	13	2.07507	2.51		
A-10-73B	567.85	569.4	1.55	851878	1	99		VAN10006051	46.9	47.5	0.0016	0.1052	0.9	2.3127	84.2	8.6	52	2.02	30	12.2	3.1	92	11.2	20.8	<0.5	112	0.42	0.042	15.5	8.5	0.04	1692	0.006	0.81	<0.01	0.18	0.6	0.23	1.4	1.9	1.92	<5	14	2.03946	3.50		
A-10-73B	569.4	570.9	1.5	851879		100		VAN10006051	48.4	47.5	0.00157	0.1284	1.0	2.1891	82.9	9.3	44	1.97	31	12.8	3.8	65	14.0	21.8	<0.5	100	0.35	0.043	15.5	7.2	0.04	1731	0.005	0.87	<0.01	0.17	0.6	0.28	1.6	2.0	1.89	<5	13	2.02489	2.78		
A-10-73B	510.9	512.4	1.5	851880	1	99		VAN10006051	46.7	41.1	0.0016	0.0699	1.0	2.144	85.3	8.7	41	1.95	31	12.5	3.6	58	8.5	19.2	<0.5	106	0.36	0.047	15.5	7.8	0.04	1696	0.005	0.93	<0.01	0.19	0.6	0.18	1.9	2.3	1.83	<5	13	2.01876	3.26		
A-10-73B	570.9	572.4	1.5	851881			Standard Pb 129	VAN10006051	3.7	2839.5	1.19841	2.0766	23.5	0.0964	11.9	10.6	827	3.38	13	<0.5	1.1	73	121.8	33.8	0.8	36	1.09	0.079	9.5	22.7	1.40	190	0.114	1.90	0.06	0.23	<0.5	0.11	1.9	<0.5	1.81	<5	2	N.A.	0.02		
A-10-73B	572.4	573.4	1	851882	1	99		VAN10006051	44.6	48.8	0.00162	0.1268	1.1	2.0674	78.0	8.2	41	2.18	28	10.7	3.0	74	14.2	22.3	<0.5	82	0.53	0.040	15.3	6.1	0.04	1202	0.004	0.82	<0.01	0.15	0.6	0.32	1.4	2.0	2.13	<5	14	2.03224	1.62		
A-10-73B	573.4	574.4	1	851883	1	99		VAN10006051	41.8	54.3	0.00151	0.1102	1.1	2.0263	82.4	9.1	86	2.12	31	10.5	3.2	253	12.4	25.5	<0.5	101	1.03	0.041	15.2	7.1	0.04	1555	0.005	0.74	<0.01	0.17	<0.5	0.25	1.6	1.9	2.11	<5	12	2.00508	2.86		
A-10-73B	574.4	575.4	1	851884	1	99		VAN10006051	47.5	45.8	0.00187	0.1087	0.9	1.1925	87.1	10.4	35	1.86	28	11.2	4.1	63	13.1	17.2	<0.5	79	0.26	0.045	17.4	5.3	0.03	1373	0.004	0.60	<0.01	0.19	<0.5	0.43	0.9	1.6	2.15	<5	11	1.98049	1.60		
A-10-73B	575.4	576.48	1.08	851885	1	99		VAN10006051	37.4	55.1	0.00212	0.0699	1.1	1.8129	82.1	10.2	231	2.77	30	8.8	4.1	676	8.7	18.3	<0.5	60	3.65	0.049	16.0	6.1	0.15	521	0.003	0.36	<0.01	0.17	<0.5	0.26	1.2	2.3	3.23	<5	13	2.12432	1.91		
A-10-73B	576.48	577.67	1.19	851886	1	99		VAN10006051	20.6	51.4	0.00147	0.0469	0.9	1.0908	90.0	10.1	81	2.24	24	3.5	5.9	169	5.7	12.9	<0.5	50	0.72	0.053	23.2	6.8	0.06	1067	0.004	0.50	<0.01	0.25	<0.5	0.15	1.7	2.0	2.66	<5	9	2.24293	2.58		
A-10-73B	577.67	578.7	1.03	851887	5	40		VAN10006051	15.5	39.3	0.00164	0.0816	0.8	2.1687	70.8	8.5	180	2.53	22	3.2	5.1	383	9.2	9.5	<0.5	45	1.92	0.043	18.9	10.3	0.44	759	0.003	0.29	<0.01	0.14	<0.5	0.09	1.8	2.0	2.84	<5	9	2.32604	2.25		
A-10-73B	578.7	579.37	0.67	851888	70	30		VAN10006051	42.0	121.7	0.04404	0.0026	5.1	0.8058	130.1	7.2	159	10.38	99	2.4	4.2	124	0.7	59.7	<0.5	64	0.49	0.041	14.9	5.5	0.05	119	0.003	0.37	<0.01	0.20	<0.5	0.18	1.0	14.3	12.42	<5	40	2.58483	1.76		
A-10-73B	579.37	580.4	1.03	851889		100		VAN10006051	9.8	24.1	0.00158	0.1382	<0.5	0.8074	56.0	8.2	82	1.46	12	2.2	6.9	248	11.9	5.1	<0.5	46	1.42	0.075	26.6	6.8	0.16	1948	0.004	0.56	<0.01	0.32	<0.5	0.07	2.4	1.8	1.76	<5	11	2.34916	2.74		
A-10-73B	580.4	581.7	1.3	851890		100		VAN10006051	12.1	21.4	0.00443	0.1941	<0.5	0.8546	60.3	8.5	72	1.69	12	1.8	6.6	215	14.7	5.7	<0.5	48	0.92	0.080	26.4	8.2	0.17	2041	0.004	0.57	<0.01	0.32	<0.5	0.10	2.3	2.3	2.03	<5	12	2.31091	2.68		
A-10-73B	580.4	581.7	1.3	851891			Pulp Dup of 851890	VAN10006051	10.5	20.7	0.00451	0.1953	<0.5	0.8325	61.2	8.5	71	1.70	11	1.9	6.9	204	15.5	5.1	<0.5	49	0.92	0.081	25.8	7.4	0.17	2011	0.005	0.58	<0.01	0.31	<0.5	0.15	2.1	2.2	2.03	<5	10	2.31774			
A-10-73B	581.7	582.65	0.95	851892	75	25		VAN10006051	35.3	83.3	0.08218	0.4341	5.3	2.3128	109.9	5.8	253	12.32	86	2.1	2.8	315	29.1	42.7	<0.5	61	0.84	0.050	13.0	6.8	0.17	91	0.004	0.74	<0.01	0.17	<0.5	0.52	1.9	22.6	14.76	<5	28	2.58388	2.24		
A-10-73B	582.65	583.65	1	851893	40	60		VAN10006051	29.9	55.9	0.08293	0.7984	4.1	1.8586	100.8	6.4	256	10.47	64	2.6	3.7	876	46.1	21.4	<0.5	64	0.96	0.055	13.0	8.0	0.20	125	0.004	0.54	<0.01	0.18	<0.5	0.55	2.0	22.1	12.68	<5	23	2.47913	2.49		
A-10-73B	583.65	584.43	0.78	851894		100		VAN10006051	19.9	17.8	0.00915	0.3412	0.8	1.9731	82.7	8.1	105	2.22	13	2.6	6.2	147	20.7	2.7	<0.5	54	0.67	0.082	21.7	7.5	0.19	921	0.004	0.81	<0.01	0.24	<0.5	0.18	2.3	3.5	2.55	<5	12	2.33829	1.79		
A-10-73B	584.43	585.5	1.07	851895	75	25		VAN10006051	35.0	56.8	0.16599	1.3297	6.0	2.4503	103.3	5.2	297	15.08	91	2.2	2.3	198	66.4	22.9	<0.5	71	0.88	0.050	8.9	8.6	0.13	74	0.004	0.66	<0.01	0.16	0.5	0.62	1.7	45.5	18.62	<5	23	2.708	2.57		
A-10-73B	585.5	586.75	1.25	851896	50	50		VAN10006051	26.7	43.0	0.16404	1.4231	4.9	3.1796	89.4	5.7	286	13.43	78	1.3	2.3	523	61.3	15.0	<0.5	62	0.96	0.049	9.7	9.3	0.18	83	0.004	0.76	<0.01	0.17	<0.5	0.46	2.3	44.1	16.71	<5	15	2.73791	2.61		
A-10-73B	586.75	587.6	0.85	851897	20	80		VAN10006051	31.8	43.7	0.11117	1.0185	3.3	2.1411	95.8	6.8	247	9.28	55	3.2	3.4	1209	46.0	11.9	<0.5	70	1.13	0.085	11.1	9.3	0.21	147	0.004	0.53	<0.01	0.20	<0.5	0.26	1.7	30.7	11.33	<5	13	2.42702	3.19		
A-10-73B	587.6	588.6	1	851898		100		VAN10006051	9.4	12.1	0.01136	0.2096	<0.5	1.3388	61.6	7.7	279	2.61	9	1.6	7.7	517	9.9	2.1	<0.5	44	1.51	0.079	24.0	6.3	0.51	1126	0.005	0.53	<0.01	0.27	<0.5	0.07	3.2	2.5	3.12	<5	7	2.37324	2.09		
A-10-73B	588.6	589.64	1.04	851899	50	50		VAN10006051	27.6	49.5	0.17839	1.6657	4.3	3.4373	87.2	5.7	332	11.72	64	2.0	2.4	713	65.4	13.4	<0.5	59	1.35	0.056	8.2	8.9	0.22	152	0.004	0.70	<0.01	0.18	<0.5	0.30	2.4	49.9	14.28	<5	16	2.63957	2.70		
A-10-73B	589.64	590.33	0.69	851900	40	60		VAN10006051	17.4	37.9	0.1723	2.1457	4.0	3.1479	75.4	5.3	290	10.23	47	1.5	2.9	970	77.4	9.5	<0.5	52	1.46	0.060	9.2	9.0	0.26	169	0.004	0.41	<0.01	0.20	<0.5	0.30	2.3	53.1	12.78	<5	13	2.67777	1.84		
A-10-73B	589.64	590.33	0.69	851901			Blank BL 108	VAN10006051	0.6	15.1	0.00028	0.0016	<0.5	0.0933	1.8	2.9	492	1.47	<5	1.4	5.1	8	<0.5	<0.5	<0.5	13	0.13	0.016	7.9	13.5	0.18	143	0.081	0.57	0.08	0.32	<0.5	<0.05	3.4	<0.5	<0.05	<5	<2	N.A.	0.02		
A-10-73B	590.33	590.91	0.58	851902	70	30		VAN10006051	25.1	42.2	0.21623	3.1106	5.3	2.4211	76.4	4.9	232	12.88	66	1.7	2.2	727	112.6	12.7	<0.5	57	0.84	0.042	7.6	8.6	0.15	103	0.003	0.31	<0.01	0.17	<0.5	0.42	1.7	78.4	16.77	<5	13	2.74523	1.55		
A-10-73B	590.91	591.62	0.71	851903	20	80		VAN10006051	13.9	20.8	0.04754	0.7317	1.1	1.0172	67.9	6.9	115	3.19	16	2.0	5.6	222	30.5	2.7	<0.5	50	0.66	0.078	15.2	8.8	0.20	497	0.005	0.51	<0.01	0.27	<0.5	0.12	2.5	12.7	4.16	<5	8	2.31695	1.84		
A-10-73B	591.62	592.34	0.72	851904	95	5		VAN10006051	33.1	46.2	0.34571	4.5479	9.9	3.4503	90.9	3.3	368	18.25	98	2.0	1.1	561	192.0	20.7	<0.5	68	0.94	0.032	4.3	10.7	0.17	105	0.003	0.26	<0.01	0.10	<0.5	0.64	1.9	125.6	23.82	<5	18	2.95546	2.16		
A-10-73B	592.34	593	0.66	581905	1	99		VAN10006051	10.3	22.5	0.02759	0.2763	0.9	1.7696	71.6	8.1	111	1.94	11	1.8	5.7	499	10.7	2.4	<0.5	43	0.67	0.081	14.2	7.8	0.21	1205	0.004	0.59	<0.01	0.26	<0.5	0.05	2.1	6.5	2.22	<5	6	2.35407	1.66		
A-10-73B	593	593.55	0.55	851906	70	30		VAN10006051	17.5	30.9	0.10263	2.321	3.4	3.8108	59.5	4.4	760	6.12	30	2.9	1.7	1737	91.9	9.3	<0.5	65	3.94	0.060	2.7	10.1	1.22	290	0.003	0.27	<0.01	0.13	<0.5	0.31	1.7	49.9	7.16	<5	12	2.49022	1.30		
A-10-73B	593.55	594.14	0.59	851907	1	99		VAN10006051	38.3	37.0	0.12831	0.799	3.4	0.976	136.3	9.2	86	2.88	27	7.4	4.5	257	39.7	5.7	<0.5	107	0.52	0.146	1.5	12.3	0.08	519	0.006	0.54	<0.01	0.27	<0.5	0.15	1.9	19.4	3.82	<5	17	2.02086	1.32		
A-10-73B	594.14	594.84	0.7	851908	60	40		VAN10006051	19.9	80.0	0.41252	4.1583	10.4	3.6892	73.6	4.8	340	12.87	56	2.2	1.1	455	190.1	20.0	<0.5	57	0.89	0.039	1.3	8.6	0.17	119	0.003	0.27	<0.01	0.15	<0.5	0.76	1.9	140.0	16.75	<5	17	2.79222	1.85		
A-10-73B	594.84	595.5	0.66	851909	45	55		VAN10006051	19.4	66.8	0.35484	2.5227	8.7	4.4197	79.8	5.8	330	9.09	47	2.1	2.0	789	117.7	13.3	<0.5	51	1.53	0.055	2.0	7.1	0.24	171	0.004	0.38	<0.01	0.20	<0.5	0.43	3.4	104.9	11.17	<5	11	2.66557	1.65		
A-10-73B	595.5	596.3	0.8	851910	1	99		VAN10006051	9.3	15.8	0.07204	0.1605	0.9	3.4281	71.7	8.0	127	1.97	11	1.4	4.3	1500	8.2	2.2	<0.5	39	1.27	0.083	3.5	7.2	0.22	1236	0.004	0.46	<0.01	0.26	<0.5	<0.05	2.5	7.0	1.80	<5	4	2.33729	1.87		
A-10-73B	595.5	596.3	0.8	851911			Standard Pb 123	VAN10006051	7.6	6881.7	>4	6.8965	72.4	0.1029	9.0	11.1	921	4.95	103	1.2	3.0	11	184.1	408.4	3.7	21	0.20	0.018	4.8	10.1	0.22	452	0.085	0.46	0.06	0.33	2.8	10.26	2.2	38.5	6.10	<5	9	N.A.	0.02	6.12	7.16
A-10-73B	596.3	597.11	0.81	851912	1	99		VAN10006051	7.3	18.1	0.08632	0.15	0.9	5.4571	56.0	7.2	180	1.80	10	1.5	3.6	2702	7.8	1.7	<0.5	40	2.85	0.078	4.1	7.4	0.23	2582	0.004	0.50	<0.01	0.25	<0.5	0.06	2.1	8.6	1.03	<5	4	2.38201	1.84		
A-10-73B	597.11	598.25	1.14	851913	95	5		VAN10006051	26.0	58.2	1.82555	10.388	18.1	6.189	61.8	2.4	465	14.78	64	1.8	<0.5	1099	589.4	13.3	<0.5	62	0.96	0.027	1.2	11.8	0.17	59	0.002	0.26	<0.01	0.07	0.5	2.55	2.0	241.6	22.10	<5	18	3.125	3.32		
A-10-73B	598.25	599.1	0.85	851914	90	10		VAN10006051	20.7	53.7	1.709	10.0937	17.0	5.7222	62.9	3.3	500	12.63	60	1.8	<0.5	1328	594.4	12.1	<0.5	58	1.46	0.038	1.1	12.1	0.21	75	0.003	0.23	<0.01	0.09	<0.5	2.46	2.2	222.2	19.20	6	17	3.01435	2.41		
A-10-73B	599.1	599.65	0.55	851915	80	20		VAN10006051	19.1	36.6	0.67528	2.8081	6.3	3.1813	85.9	6.9	202	5.92	33	2.7	2.4	701	150.3	6.1	<0.5	63	0.59	0.070	1.6	7.7	0.13	178	0.004	0.49	<0.01	0.20	<0.5	0.74	3.6	84.2	8.21	<5	13	2.56749	1.69		
A-10-73B	599.65	600.46	0.81	851916	70	30		VAN10006051	23.0	42.6	1.29094	7.8647	17.3	6.4475	66.5	3.3	504	13.40	65	2.0	<0.5	909	413.1	12.7	<0.5	62	1.99	0.029	1.0	11.5	0.09	115	0.002	0.26	<0.01	0.09	<0.5	2.06	1.9	224.2	19.55	5	16	3.25802	2.44		
A-10-73B	600.46	601.03	0.57	851917	60	40		VAN10006051	24.2	40.1	1.18935	5.1197	14.4	6.613	75.9	4.5	300	11.85	53	2.6	0.8	667	245.1	10.3	<0.5	72	0.98	0.042	0.8	10.3	0.06	70	0.004	0.32	<0.01	0.15	<0.5	1.24	2.0	170.0	16.64	<5	14	3.01816	1.39		
A-10-73B	601.03	602.04	1.01	851918	60	40		VAN10006051	21.3	48.5	1.70117	8.9191	15.1	5.9849	67.0	4.2	431	9.99	43	2.5	0.6	820	459.3	14.6	<0.5	62	1.50	0.041	1.2	8.8	0.17	95	0.003	0.27	<0.01	0.13	<0.5	2.16	1.8	189.3	15.42	<5	18	3.0402	2.88		
A-10-73B	602.04	602.8	0.76	851919	80	20		VAN10006051	19.8	78.2	1.56573	9.4408	17.2	4.6849	59.0	3.4	535	12.13	54	1.9	<0.5	575	545.7	23.3	<0.5	62	1.77	0.026	1.4	8.4	0.18	99	0.010	0.27	<0.01	0.11	<0.5	2.18	1.7	250.7	17.73	6	19	3.23107	2.03		
A-10-73B	602.8	604.15	1.35	851920		100		VAN10006051	10.1	21.9	0.10881	0.2572	1.2	1.5169	68.0	8.4	134	2.05	11	2.0	3.4	446	15.6	3.3	<0.5	66	0.67	0.066	2.8	9.2	0.25	1514	0.005	0.62	<0.01	0.30	<0.5	0.06	2.5	16.7	2.23	<5	8	2.5019	2.61		
A-10-73B	602.8	604.15	1.35	851921			Coarse Dup of 851920	VAN10006051	9.6	22.4	0.11322	0.2662	1.2	1.4772	71.4	8.2	130	2.07	11	2.2	3.5	435	15.7	3.2	<0.5	66	0.67	0.066	2.5	8.8	0.24	1367	0.005	0.60	<0.01	0.29	<0.5	0.07	2.4	15.5	2.23	<5	7	2.51996			
A-10-73B	604.15	605.37	1.22	851922		100		VAN10006051	10.7	22.5	0.15625	0.2319	1.4	1.5887	74.7	8.4	121	1.84	11	2.5	4.0	479	14.0	3.0	<0.5	69	0.77	0.064	2.5	9.3	0.26	1594	0.005	0.61	<0.01	0.30	<0.5	0.09	2.5	15.1	1.98	<5	9	2.49146	2.94		
A-10-73B	605.37	606.12	0.75	851923	55	45		VAN10006051	18.5	74.3	1.39524	7.5721	16.9	6.7819	63.1	4.1	479	11.21	47	1.6	0.5	908	434.9	21.4	<0.5	65	2.10	0.029	1.2	9.3	0.26	90	0.003	0.29	<0.01	0.13	0.6	1.75	2.6	215.4	15.23	<5	20	3.12322	2.03		
A-10-73B	606.12	607.1	0.98	851924	70	30		VAN10006051	16.6	57.1	2.96291	12.4643	19.1	9.6987	54.3	3.3	390	10.34	36	2.2	0.5	622	841.4	18.7	<0.5	71	1.62	0.020	0.9	8.4	0.09	85	0.004	0.25	<0.01	0.12	<0.5	3.02	1.8	210.3	17.91	<5	19	3.31786	2.41		
A-10-73B	607.1	607.95	0.85	851925	60	40		VAN10006051	18.8	45.9	1.45463	8.8733	13.9	3.7699	74.7	5.9	463	7.15	28	3.5	1.4	423	551.8	12.1	<0.5	84	1.26	0.042	1.7	8.1	0.12	155	0.006	0.42	<0.01	0.21	<0.5	1.96	2.3	151.0	12.06	<5	18	2.89822	2.32		
A-10-73B	607.95	608.6	0.65	851926	99	1		VAN10006051	14.7	70.0	>4	>20	27.9	11.458	41.2	1.9	410	12.52	32	1.8	<0.5	356	1348.3	21.2	<0.5	52	1.00	0.016	<0.5	5.4	0.15	56	0.001	0.07	<0.01	0.03	<0.5	4.89	1.1	285.0	24.30	<5	21	3.7896	2.04	4.05	22.43
A-10-73B	608.6	609.61	1.01	851927	90	10		VAN10006051	16.4	77.2	2.6952	12.3954	23.2	12.906	50.4	2.6	497	10.34	32	2.3	<0.5	364	825.7	19.0	<0.5	67	1.22	0.029	0.9	6.1	0.13	118	0.003	0.20	<0.01	0.10	<0.5	3.09	1.4	230.2	17.59	<5	23	3.44679	2.55		
A-10-73B	609.61	610.6	0.99	851928		100		VAN10006051	14.7	22.7	0.16122	0.5276	2.4	1.7274	90.2	8.8	46	1.88	13	3.2	3.7	153	34.9	4.4	<0.5	92	0.25	0.073	2.3	10.6	0.13	1738	0.007	0.59	<0.01	0.30	<0.5	0.23	3.2	22.7	2.28	<5	13	2.50837	2.18		
A-10-73B	610.6	611.35	0.75	851929	80	20		VAN10006051	26.6	89.4	2.78553	15.0775	29.4	6.101	69.1	4.0	453	11.55	43	2.8	0.6	470	1022.3	32.5	<0.5	72	1.21	0.031	0.9	7.4	0.11	58	0.003	0.18	<0.01	0.11	<0.5	3.97	1.7	283.8	20.27	6	35	3.29379	2.02		
A-10-73B	611.35	612.45	1.1	851930	90	10		VAN10006051	9.8	62.9	2.64935	14.0197	19.0	18.731	35.9	2.1	241	7.87	22	1.2	<0.5	353	1002.9	20.3	<0.5	39	0.77	0.016	0.6	4.4	0.07	81	0.002	0.16	<0.01	0.08	<0.5	4.04	1.3	163.7	15.52	6	14	3.52816	3.18		
A-10-73B	611.35	612.45	1.1	851931			Blank BL 108	VAN10006051	0.5	14.8	0.00103	0.0063	<0.5	0.1025	2.6	2.7	509	1.58	<5	1.4	4.1	13	<0.5	<0.5	<0.5	18	0.15	0.018	8.7	14.7	0.22	147	0.083	0.63	0.11	0.28	<0.5	<0.05	2.7	<0.5	<0.05	<5	<2	N.A.	0.02		

									7AX	7AX	7AX	7AX	7AX	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	WGHT	7AR.1	7AR.1
								10000	Mo	Cu	Pb	Zn	Ag	Ba	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Wgt	Pb	Zn
HOLE ID	FROM	TO	LENGTH	SAMPLE #	% SULPHIDES	% SHALE	STANDARDS	CERTIFICATE #	PPM	PPM	%	%	PPM	%	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	NONE	KG	%	%
A-10-73B	612.45	613.35	0.9	851932	30	70		VAN10006051	16.4	32.5	0.54371	2.6427	8.0	3.6223	73.4	6.5	259	4.34	16	2.8	2.2	386	157.6	10.6	<0.5	77	0.68	0.052	2.1	8.6	0.15	242	0.006	0.51	<0.01	0.25	<0.5	0.69	2.3	71.2	5.83	<5	11	3.54595	2.00		
A-10-73B	613.35	614.38	1.03	851933	50	50		VAN10006051	13.6	46.0	1.1344	5.6596	12.6	3.4235	88.1	5.9	285	5.42	19	3.0	1.8	565	345.2	17.5	<0.5	95	0.82	0.049	1.8	8.0	0.14	185	0.005	0.45	<0.01	0.22	<0.5	1.52	2.1	108.3	8.46	<5	18	2.62893	2.59		
A-10-73B	614.38	615.38	1	851934	70	30		VAN10006051	14.8	57.2	1.78337	11.1318	18.3	11.748	48.8	3.4	475	7.75	22	2.5	0.7	576	707.4	26.1	<0.5	66	1.16	0.032	1.3	6.1	0.15	91	0.004	0.32	<0.01	0.16	<0.5	3.49	1.6	176.5	13.73	6	30	3.15274	2.72		
A-10-73B	615.38	616.2	0.82	851935	70	30		VAN10006051	22.2	63.4	1.60544	5.4108	20.9	9.7835	62.5	3.9	393	8.69	32	3.1	1.1	596	438.3	32.5	<0.5	82	1.33	0.039	1.2	6.1	0.14	94	0.003	0.31	<0.01	0.15	<0.5	2.10	2.1	152.8	12.18	<5	39	3.02479	1.86		
A-10-73B	616.2	617.3	1.1	851936	70	30		VAN10006051	14.8	51.4	1.51564	6.1637	16.4	10.203	63.4	5.0	305	6.46	27	2.2	1.2	512	489.0	17.8	<0.5	60	0.84	0.044	1.7	6.6	0.14	119	0.004	0.36	<0.01	0.18	<0.5	2.32	2.1	111.4	10.03	<5	19	3.0165	2.81		
A-10-73B	617.3	618	0.7	851937	98	2		VAN10006051	10.4	78.3	3.60462	16.8471	30.2	20.596	29.8	1.5	417	9.60	32	1.3	<0.5	420	1396.7	11.5	<0.5	36	1.19	0.020	0.8	4.8	0.08	63	0.001	0.11	<0.01	0.04	<0.5	7.42	0.7	190.7	19.16	5	13	3.8433	2.27		
A-10-73B	618	618.65	0.65	851938	99	1		VAN10006051	11.0	66.7	>4	19.3543	34.4	21.62	29.0	0.7	372	9.56	31	1.0	<0.5	290	1446.4	13.3	<0.5	35	1.16	0.009	0.6	4.0	0.04	51	<0.001	0.06	<0.01	0.02	<0.5	7.65	0.7	202.4	20.44	6	15	3.92106	2.23	4.56	20.23
A-10-73B	618.65	619.4	0.75	851939	95	5		VAN10006051	13.9	50.6	1.84412	4.6421	21.8	25.026	41.5	2.6	231	7.20	31	1.2	<0.5	380	368.6	9.6	<0.5	48	1.14	0.023	1.1	5.3	0.15	96	0.002	0.22	<0.01	0.11	<0.5	2.72	1.2	106.5	10.25	<5	9	3.40224	2.16		
A-10-73B	619.4	619.9	0.5	851940	95	5		VAN10006051	7.2	65.2	1.37501	7.3846	18.7	27.436	21.3	1.1	463	7.90	24	0.7	<0.5	779	638.1	11.6	<0.5	33	2.68	0.011	1.9	4.2	0.28	352	0.001	0.08	<0.01	0.04	<0.5	4.50	0.9	96.4	11.83	<5	11	3.75981	1.76		
A-10-73B	619.4	619.9	0.5	851941			Standard Pb 112	VAN10006051	16.8	7958.2	0.90688	1.2512	209.3	0.0836	16.8	19.6	2275	2.66	259	<0.5	<0.5	71	89.5	467.4	14.5	11	1.63	0.009	1.2	25.0	0.11	696	0.014	0.15	0.01	0.07	1.0	1.39	1.1	1.8	2.17	<5	14	N.A.	0.02		
A-10-73B	619.9	620.55	0.65	851942	1	99		VAN10006051	7.8	18.0	0.0333	0.0578	1.7	1.8704	68.2	7.9	140	1.84	10	2.0	4.3	201	5.1	2.9	<0.5	50	1.41	0.065	3.9	7.6	0.25	1186	0.004	0.48	<0.01	0.29	<0.5	0.14	2.7	7.3	1.97	<5	6	2.56726	1.73		
A-10-73B	620.55	621.18	0.63	851943	70	30		VAN10006051	19.3	60.4	1.99538	1.5941	20.9	16.966	61.0	3.7	348	7.48	40	1.6	1.0	652	193.5	19.3	<0.5	53	1.43	0.019	2.1	5.5	0.16	156	0.003	0.29	<0.01	0.14	<0.5	1.78	2.0	86.1	8.97	<5	13	3.1984	1.86		
A-10-73B	621.18	621.89	0.71	851944	30	70		VAN10006051	19.6	61.5	0.28575	0.7698	14.9	3.7376	76.5	6.3	464	7.13	32	3.0	2.4	473	84.6	19.4	<0.5	76	1.75	0.053	4.2	7.9	0.14	190	0.005	0.38	<0.01	0.24	<0.5	1.21	2.5	70.2	7.93	<5	20	2.68607	1.48		
A-10-73B	621.89	622.62	0.73	851945	75	25		VAN10006051	21.4	63.6	1.09485	1.7649	20.3	13.031	69.6	4.9	357	7.50	33	3.2	1.4	774	235.4	27.3	<0.5	70	1.35	0.036	3.0	6.7	0.23	124	0.003	0.31	<0.01	0.16	0.5	2.59	2.7	69.6	8.77	<5	23	2.94397	1.95		
A-10-73B	622.62	623.47	0.85	851946	50	50		VAN10006051	18.8	65.8	1.18951	0.7103	17.9	13.53	65.0	5.1	268	7.16	24	3.5	1.6	839	81.3	29.8	<0.5	76	1.63	0.033	3.9	6.7	0.15	157	0.005	0.34	<0.01	0.18	<0.5	1.53	2.8	57.8	7.88	<5	31	3.00703	2.00		
A-10-73B	623.47	624.05	0.58	851947	80	20		VAN10006051	25.7	107.1	0.35405	0.0303	26.1	6.5161	83.5	5.2	209	12.58	41	3.0	1.2	603	4.0	40.2	<0.5	99	1.11	0.033	4.0	9.2	0.11	136	0.005	0.31	<0.01	0.18	<0.5	0.54	2.8	87.3	13.82	<5	38	3.02119	1.59		
A-10-73B	624.05	624.9	0.85	851948	80	20		VAN10006051	9.1	93.7	0.25545	0.1182	10.7	27.687	48.3	3.3	150	6.26	18	1.1	<0.5	884	15.5	14.0	<0.5	35	1.05	0.009	1.7	6.6	0.06	174	0.002	0.11	<0.01	0.06	<0.5	0.71	1.2	34.9	6.96	<5	9	3.68706	2.65		
A-10-73B	624.9	625.85	0.95	851949	95	5		VAN10006051	12.1	218.7	0.25276	0.0394	12.1	32.278	109.7	7.5	281	9.06	25	1.2	<0.5	1110	5.2	21.0	<0.5	48	2.25	0.008	5.2	3.2	0.18	416	0.001	0.10	<0.01	0.05	<0.5	0.58	1.4	47.5	9.63	<5	15	3.61351	2.95		
A-10-73B	625.85	626.7	0.85	851950	80	20		VAN10006051	15.4	196.8	0.17984	0.0372	8.9	23.914	84.6	6.6	295	8.39	24	2.1	0.8	790	5.2	21.6	<0.5	72	1.57	0.007	5.3	5.7	0.26	210	0.002	0.19	<0.01	0.10	<0.5	0.40	2.4	45.2	8.97	<5	26	3.42408	3.11		
A-10-73B	625.85	626.7	0.85	851951			Pulp dup of 851950	VAN10006051	16.2	197.3	0.18196	0.0364	9.1	19.62	88.6	7.0	291	8.41	24	2.1	0.9	785	4.6	22.4	<0.5	70	1.59	0.008	5.3	5.6	0.26	129	0.002	0.18	<0.01	0.10	<0.5	0.40	2.5	46.6	9.03	<5	25	3.37386			
A-10-73B	626.7	627.65	0.95	851952	80	20		VAN10006051	6.2	135.0	0.09984	0.0374	3.9	29.868	45.8	3.3	184	3.57	10	0.6	<0.5	1259	4.7	8.7	<0.5	34	1.37	0.002	3.4	1.7	0.26	281	<0.001	0.09	<0.01	0.05	<0.5	0.27	1.1	17.2	3.90	<5	10	3.78952	1.79		
A-10-73B	627.65	628.75	1.1	851953	80	20		VAN10006051	11.5	155.0	0.14762	0.0367	8.1	33.006	79.9	5.9	146	6.30	25	0.8	0.5	624	4.6	15.9	<0.5	59	0.86	0.004	4.0	5.1	0.12	161	0.001	0.13	<0.01	0.08	<0.5	0.60	1.0	35.3	7.01	<5	10	3.66404	1.84		
A-10-73B	628.75	629.35	0.6	851954	40	60		VAN10006051	27.3	124.5	0.11626	0.0159	10.1	10.786	93.3	7.1	285	6.86	41	2.4	3.3	497	2.0	21.1	<0.5	63	2.30	0.028	18.5	10.1	0.16	201	0.002	0.24	<0.01	0.15	<0.5	0.40	3.7	32.8	7.18	<5	16	2.91454	1.47		
A-10-73B	629.35	630.03	0.68	851955		100		VAN10006051	17.0	50.8	0.03551	0.0167	3.6	6.215	75.5	8.2	117	2.93	22	2.3	5.3	276	1.5	8.7	<0.5	79	0.70	0.036	21.8	13.4	0.22	961	0.005	0.45	<0.01	0.26	<0.5	0.16	4.7	8.7	2.67	<5	12	2.61544	1.94		
A-10-73B	630.03	630.84	0.81	851956		100		VAN10006051	23.8	28.2	0.03932	0.031	2.2	5.8255	62.0	4.5	451	2.30	17	5.4	2.9	1197	2.3	4.5	<0.5	42	10.02	0.073	10.8	8.2	0.53	2138	0.003	0.18	<0.01	0.11	<0.5	0.19	2.3	4.1	1.59	<5	5	2.636	1.86		
A-10-73B	630.84	632.35	1.51	851957		100		VAN10006051	7.8	16.1	0.00554	0.0175	0.8	0.6245	30.7	4.6	869	2.36	<5	2.8	4.1	330	1.4	2.0	<0.5	11	9.87	0.029	11.3	4.3	2.69	769	0.002	0.26	<0.01	0.17	<0.5	0.05	2.2	1.7	2.47	<5	<2	2.53169	3.33		

HOLE ID	DISTANCE	AZIMUTH (mag)	AZIMUTH (true)	DIP	MAGN	SURVEY TYPE	ACCEPTED	COMMENTS
A-10-73B	0		60	-72			Yes	COLLAR
A-10-73B	20	35.7	56.48	-70.9	5881	Reflex EZ-Shot	Yes	
A-10-73B	50	355.3		-70.2	9083	Reflex EZ-Shot	No	High mag
A-10-73B	80	31.4	52.18	-71.2	5874	Reflex EZ-Shot	Yes	
A-10-73B	110	31.7	52.48	-71.4	5874	Reflex EZ-Shot	Yes	
A-10-73B	140	29.5	50.28	-70.6	5849	Reflex EZ-Shot	Yes	
A-10-73B	170	28.1	48.88	-69.9	5852	Reflex EZ-Shot	Yes	
A-10-73B	170	27.8	48.58	-69.5	5842	Reflex EZ-Shot	Yes	
A-10-73B	179	27.8	48.58	-69.5	5842	Reflex EZ-Shot	Yes	
A-10-73B	188	26.9	47.68	-69.1	5846	Reflex EZ-Shot	Yes	
A-10-73B	197	26.5	47.28	-68.4	5845	Reflex EZ-Shot	Yes	
A-10-73B	200	25.4	46.18	-68.1	5858	Reflex EZ-Shot	Yes	
A-10-73B	206	25	45.78	-67.2	5844	Reflex EZ-Shot	Yes	
A-10-73B	215	23.4	44.18	-65.5	5844	Reflex EZ-Shot	Yes	
A-10-73B	224	22.4	43.18	-64.3	5843	Reflex EZ-Shot	Yes	
A-10-73B	230	21.7	42.48	-63.1	5852	Reflex EZ-Shot	Yes	
A-10-73B	233	20.7	41.48	-62.8	5845	Reflex EZ-Shot	Yes	
A-10-73B	233	20.2	40.98	-62.7	5250	Reflex EZ-Shot	Yes	
A-10-73B	272	16.8	37.58	-57.3	5846	Reflex EZ-Shot	Yes	
A-10-73B	302	15.3	36.18	-54.6	5844	Reflex EZ-Shot	Yes	
A-10-73B	332	12.6	33.38	-48.5	5838	Reflex EZ-Shot	Yes	
A-10-73B	362	11	31.78	-46.3	5837	Reflex EZ-Shot	Yes	
A-10-73B	392	11.3	32.08	-45	5834	Reflex EZ-Shot	Yes	
A-10-73B	422	11.7	32.48	-44.6	5835	Reflex EZ-Shot	Yes	
A-10-73B	452	12.2	32.98	-42.8	5832	Reflex EZ-Shot	Yes	
A-10-73B	512	11.9	32.68	-39.5	5764	Reflex EZ-Shot	Yes	
A-10-73B	539.5	13.3	34.08	-38.1	5774	Reflex EZ-Shot	Yes	
A-10-73B	569.9	13.7	34.48	-36.7	5774	Reflex EZ-Shot	Yes	
A-10-73B	600.5	13.7	35.2	-35.2	5767	Reflex EZ-Shot	Yes	
A-10-73B	630.9	14.2	34.98	-33.5	5768	Reflex EZ-Shot	Yes	

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-73B	9	11	2	1.08	54.00	0.19	9.50												
A-10-73B	11	14	3	2.65	88.33	0.84	28.00												
A-10-73B	14	17	3	2.84	94.67	1.92	64.00												
A-10-73B	17	20	3	2.89	96.33	1.11	37.00												
A-10-73B	20	23	3	2.34	78.00	1.41	47.00												
A-10-73B	23	26	3	2.36	78.67	1.26	42.00												
A-10-73B	26	29	3	2.37	79.00	0.7	23.33												
A-10-73B	29	32	3	2.88	96.00	0.74	24.67												
A-10-73B	32	35	3	0.83	27.67	0.39	13.00												
A-10-73B	35	38	3	2.68	89.33	0	0.00												
A-10-73B	38	41	3	2.36	78.67	0.12	4.00												
A-10-73B	41	44	3	2.17	72.33	0	0.00												
A-10-73B	44	47	3	1.73	57.67	0	0.00												
A-10-73B	47	50	3	0.7	23.33	0	0.00												
A-10-73B	50	53	3	0.2	6.67	0	0.00												
A-10-73B	53	56	3	0.2	6.67	0	0.00												
A-10-73B	56	59	3	0	0.00	0	0.00												
A-10-73B	59	62	3	0.23	7.67	0	0.00												
A-10-73B	62	65	3	0	0.00	0	0.00												
A-10-73B	65	68	3	0.64	21.33	0.11	3.67												
A-10-73B	68	71	3	2.96	98.67	2.04	68.00												
A-10-73B	71	74	3	3	100.00	2.58	86.00												
A-10-73B	74	77	3	2.58	86.00	1.76	58.67												
A-10-73B	77	80	3	2.75	91.67	1.78	59.33												
A-10-73B	80	83	3	2.96	98.67	2.24	74.67												
A-10-73B	83	86	3	2.61	87.00	0.98	32.67												
A-10-73B	86	89	3	2.74	91.33	1.8	60.00												
A-10-73B	89	92	3	2.78	92.67	1.44	48.00												
A-10-73B	92	95	3	2.89	96.33	2.38	79.33												
A-10-73B	95	98	3	2.91	97.00	1.47	49.00												
A-10-73B	98	101	3	2.75	91.67	1.08	36.00												
A-10-73B	101	104	3	2.76	92.00	1.81	60.33												
A-10-73B	104	107	3	2.34	78.00	0.49	16.33												
A-10-73B	107	110	3	2.41	80.33	0.55	18.33												
A-10-73B	110	113	3	2.25	75.00	0.19	6.33												
A-10-73B	113	116	3	2.13	71.00	0.98	32.67												
A-10-73B	116	119	3	2.95	98.33	2.93	99.32												
A-10-73B	119	122	3	3	100.00	2.41	80.33												
A-10-73B	122	125	3	2.25	75.00	1.49	66.22												
A-10-73B	125	128	3	2.95	98.33	1.93	65.42												
A-10-73B	128	131	3	2.7	90.00	1.03	38.15												
A-10-73B	131	134	3	2.98	99.33	2.06	69.13												
A-10-73B	134	137	3	2.84	94.67	1.47	51.76												
A-10-73B	137	140	3	3	100.00	1.79	59.67												
A-10-73B	140	143	3	2.38	79.33	0.34	14.29												
A-10-73B	143	146	3	2.5	83.33	0.43	17.20												
A-10-73B	146	149	3	2.45	81.67	0.69	28.16												
A-10-73B	149	152	3	2.95	98.33	2.05	69.49												
A-10-73B	152	155	3	2.4	80.00	1.12	46.67												
A-10-73B	155	158	3	2.85	95.00	1.62	56.84												
A-10-73B	158	161	3	2.95	98.33	2.2	74.58												
A-10-73B	161	164	3	2.92	97.33	1.26	43.15												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-73B	164	167	3	3	100.00	2.76	92.00												
A-10-73B	167	170	3	2.84	94.67	2.31	81.34												
A-10-73B	170	173	3	3	100.00	2.59	86.33												
A-10-73B	173	176	3	3	100.00	1.85	61.67												
A-10-73B	176	179	3	2.95	98.33	1.83	62.03												
A-10-73B	179	182	3	2.9	96.67	1.8	62.07												
A-10-73B	182	185	3	2.95	98.33	1.71	57.97												
A-10-73B	185	188	3	2.9	96.67	1.68	57.93												
A-10-73B	188	191	3	2.8	93.33	0.9	32.14												
A-10-73B	191	194	3	2.47	82.33	0.28	11.34												
A-10-73B	194	197	3	3	100.00	2.43	81.00												
A-10-73B	197	200	3	3	100.00	2.55	85.00												
A-10-73B	200	203	3	3	100.00	2.96	98.67												
A-10-73B	203	206	3	2.7	90.00	1.94	71.85												
A-10-73B	206	209	3	2.95	98.33	2.22	75.25												
A-10-73B	209	212	3	2.92	97.33	2.19	75.00												
A-10-73B	212	215	3	2.89	96.33	1.95	67.47												
A-10-73B	215	218	3	2.85	95.00	1.61	56.49												
A-10-73B	218	221	3	2.95	98.33	2.03	68.81												
A-10-73B	221	224	3	2.93	97.67	2.13	72.70												
A-10-73B	224	227	3	2.95	98.33	2.07	70.17												
A-10-73B	227	230	3	2.98	99.33	1.79	60.07												
A-10-73B	230	233	3	2.8	93.33	0.74	26.43												
A-10-73B	233	236	3	2.95	98.33	1.66	56.27												
A-10-73B	236	239	3	2.73	91.00	0.94	34.43												
A-10-73B	239	242	3	2.9	96.67	1.84	63.45												
A-10-73B	242	245	3	2.9	96.67	1.13	38.97												
A-10-73B	245	248	3	2.85	95.00	0.4	14.04												
A-10-73B	248	251	3	2.46	82.00	0.79	32.11												
A-10-73B	251	254	3	2.85	95.00	0.24	8.42												
A-10-73B	254	257	3	2.75	91.67	0.23	8.36												
A-10-73B	257	260	3	2.7	90.00	1.06	39.26												
A-10-73B	260	263	3	2.62	87.33	0.65	24.81												
A-10-73B	263	266	3	2.6	86.67	0.33	12.69												
A-10-73B	266	269	3	2.5	83.33	0	0.00												
A-10-73B	269	272	3	2.55	85.00	0	0.00												
A-10-73B	272	275	3	2.71	90.33	0.1	3.69												
A-10-73B	275	278	3	1.52	50.67	0.12	7.89												
A-10-73B	278	281	3	0.45	15.00	0	0.00												
A-10-73B	281	284	3	1.25	41.67	0	0.00												
A-10-73B	284	287	3	1.45	48.33	0.1	6.90												
A-10-73B	287	290	3	2.11	70.33	0	0.00												
A-10-73B	290	293	3	2.45	81.67	0.24	9.80												
A-10-73B	293	296	3	2.55	85.00	0.57	22.35												
A-10-73B	296	299	3	2.46	82.00	0	0.00												
A-10-73B	299	302	3	2.8	93.33	0.27	9.64												
A-10-73B	302	305	3	2.9	96.67	0.63	21.72												
A-10-73B	305	308	3	2.9	96.67	0.54	18.62												
A-10-73B	308	311	3	2.8	93.33	0.68	24.29												
A-10-73B	311	314	3	2.65	88.33	0.26	9.81												
A-10-73B	314	317	3	2.75	91.67	0.25	9.09	>100	>100										
A-10-73B	317	320	3	2.8	93.33	0.47	16.79	>100	>100										

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-73B	320	323	3	2.85	95.00	0.41	14.39												
A-10-73B	323	326	3	2.9	96.67	0.25	8.62												
A-10-73B	326	329	3	2.91	97.00	0.36	12.37												
A-10-73B	329	332	3	2.6	86.67	0	0.00												
A-10-73B	332	335	3	2.65	88.33	0.29	10.94												
A-10-73B	335	338	3	2.85	95.00	0.36	12.63												
A-10-73B	338	341	3	2.9	96.67	0.18	6.21												
A-10-73B	341	344	3	2.7	90.00	0.61	22.59												
A-10-73B	344	347	3	2.6	86.67	0.52	20.00												
A-10-73B	347	350	3	2.85	95.00	0.71	24.91												
A-10-73B	350	353	3	2.9	96.67	0.37	12.76												
A-10-73B	353	356	3	2.9	96.67	0.4	13.79												
A-10-73B	356	359	3	2.68	89.33	0.25	9.33												
A-10-73B	359	362	3	2.7	90.00	0.11	4.07												
A-10-73B	362	365	3	2.5	83.33	0.3	12.00												
A-10-73B	365	368	3	2.45	81.67	0.21	8.57												
A-10-73B	368	371	3	2.25	75.00	0.1	4.44												
A-10-73B	371	374	3	2.52	84.00	0.24	9.52	1	1										
A-10-73B	374	377	3	2.8	93.33	0.11	3.93												
A-10-73B	377	380	3	2.85	95.00	0	0.00												
A-10-73B	380	383	3	2.58	86.00	0.86	33.33												
A-10-73B	383	386	3	2.25	75.00	0	0.00												
A-10-73B	386	389	3	2.27	75.67	0.13	5.73												
A-10-73B	389	392	3	2.65	88.33	0	0.00												
A-10-73B	392	395	3	2.73	91.00	0.1	3.66												
A-10-73B	395	398	3	2.65	88.33	0.34	12.83												
A-10-73B	398	401	3	2.8	93.33	0.11	3.93												
A-10-73B	401	404	3	2.67	89.00	0.11	4.12												
A-10-73B	404	407	3	1.75	58.33	0	0.00												
A-10-73B	407	410	3	2.5	83.33	0.15	6.00												
A-10-73B	410	413	3	2.7	90.00	1.12	41.48												
A-10-73B	413	416	3	2.35	78.33	0.11	4.68												
A-10-73B	416	419	3	2.6	86.67	0.45	17.31												
A-10-73B	419	422	3	2.65	88.33	0.67	25.28	1				1							
A-10-73B	422	425	3	2.95	98.33	1.64	55.59												
A-10-73B	425	428	3	2.85	95.00	1.28	44.91												
A-10-73B	428	431	3	2.86	95.33	2.2	76.92	20	20										
A-10-73B	431	434	3	3	100.00	2.43	81.00	21	21										
A-10-73B	434	437	3	3	100.00	2	66.67	1				1							
A-10-73B	437	440	3	2.9	96.67	0.61	21.03												
A-10-73B	440	443	3	2.95	98.33	1.81	61.36	5	4	1									
A-10-73B	443	446	3	2.9	96.67	1.25	43.10	>100	>100										
A-10-73B	446	449	3	2.9	96.67	0.61	21.03												
A-10-73B	449	452	3	2.85	95.00	0.49	17.19												
A-10-73B	452	455	3	2.9	96.67	1.94	66.90												
A-10-73B	455	458	3	2.85	95.00	1.34	47.02												
A-10-73B	458	461	3	2.95	98.33	1.85	62.71												
A-10-73B	461	464	3	3	100.00	1.37	45.67	8	5	2	1								
A-10-73B	464	467	3	2.7	90.00	0.97	35.93	1				1							
A-10-73B	467	470	3	2.95	98.33	1.71	57.97												
A-10-73B	470	473	3	3	100.00	1.45	48.33												
A-10-73B	473	476	3	2.95	98.33	1.85	62.71												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-73B	476	478.54	2.54	2.5	98.43	2.45	98.00												
A-10-73B	478.54	481.59	3.05	2.9	95.08	0.18	6.21												
A-10-73B	481.59	484.64	3.05	2.93	96.07	0.9	30.72												
A-10-73B	484.64	487.69	3.05	2.87	94.10	1.94	67.60	1					1						
A-10-73B	487.69	490.73	3.04	3.04	100.00	2.98	98.03												
A-10-73B	490.73	493.78	3.05	3	98.36	2.53	84.33												
A-10-73B	493.78	496.83	3.05	3.05	100.00	2.78	91.15												
A-10-73B	496.83	499.88	3.05	3.05	100.00	2.77	90.82												
A-10-73B	499.88	502.93	3.05	3.05	100.00	2.62	85.90												
A-10-73B	502.92	505.97	3.05	3	98.36	2.41	80.33												
A-10-73B	505.97	509.02	3.05	3.05	100.00	2.37	77.70												
A-10-73B	509.02	512.07	3.05	2.85	93.44	0.77	27.02												
A-10-73B	512.07	515.12	3.05	2.8	91.80	1.21	43.21												
A-10-73B	515.12	518.16	3.04	3	98.68	2.33	77.67												
A-10-73B	518.16	521.21	3.05	3	98.36	2.52	84.00												
A-10-73B	521.21	524.26	3.05	3	98.36	2.19	73.00												
A-10-73B	524.26	527.31	3.05	3.05	100.00	3.05	100.00	2			1		1						
A-10-73B	527.31	530.36	3.05	3	98.36	2.52	84.00												
A-10-73B	530.36	533.41	3.05	3.05	100.00	2.89	94.75												
A-10-73B	533.41	536.45	3.04	3	98.68	2.01	67.00	1				1							
A-10-73B	536.45	539.5	3.05	2.95	96.72	1.66	56.27	3		2	1								
A-10-73B	539.5	542.55	3.05	2.8	91.80	2.12	75.71	5	4	1									
A-10-73B	542.55	545.6	3.05	3.05	100.00	2.84	93.11	5		2	2	1							
A-10-73B	545.6	548.65	3.05	2.8	91.80	1.86	66.43	5	4	1									
A-10-73B	548.65	551.7	3.05	2.95	96.72	1.64	55.59												
A-10-73B	551.7	554.74	3.04	2.75	90.46	1.71	62.18	1		1									
A-10-73B	554.74	557.79	3.05	2.8	91.80	1.39	49.64												
A-10-73B	557.79	560.84	3.05	2.75	90.16	0.69	25.09												
A-10-73B	560.84	563.87	3.03	2.7	89.11	0.55	20.37	2	2										
A-10-73B	563.87	566.93	3.06	3	98.04	2.32	77.33	6	5		1								
A-10-73B	566.93	569.98	3.05	2.9	95.08	1.93	66.55												
A-10-73B	569.98	573.03	3.05	2.75	90.16	0.94	34.18												
A-10-73B	573.03	576.08	3.05	2.73	89.51	0.16	5.86												
A-10-73B	576.08	579.13	3.05	3	98.36	1.16	38.67												
A-10-73B	579.13	582.18	3.05	3.05	100.00	1.07	35.08												
A-10-73B	582.18	585.22	3.04	2.95	97.04	0.95	32.20	4	3	1				4	4				
A-10-73B	585.22	588.27	3.05	2.8	91.80	0.12	4.29	3	3										
A-10-73B	588.27	591.32	3.05	2.95	96.72	1.79	60.68	4	2		2			5	5				
A-10-73B	591.32	594.37	3.05	3	98.36	1.29	43.00	12	12					3	2		1		
A-10-73B	594.37	597.42	3.05	3	98.36	1.72	57.33	4	2		1	1		4	2	2			
A-10-73B	597.42	600.46	3.04	3.04	100.00	2.36	77.63	3	3					7	3	3	1		
A-10-73B	600.46	603.51	3.05	3.05	100.00	2.52	82.62	1	1					19	9	6	4		
A-10-73B	603.51	606.56	3.05	3	98.36	2.17	72.33	1		1				1			1		
A-10-73B	606.56	609.61	3.05	3	98.36	1.87	62.33	4	4					22	17	5			
A-10-73B	609.61	612.66	3.05	2.8	91.80	0.97	34.64	7	7					3	2		1		
A-10-73B	612.66	615.7	3.04	2.85	93.75	1.16	40.70	21	21					22	22				
A-10-73B	615.7	618.75	3.05	2.87	94.10	0.97	33.80							33	31	2			
A-10-73B	618.75	621.8	3.05	3	98.36	0.5	16.67	2	2					27	25	2			
A-10-73B	621.8	624.85	3.05	3.05	100.00	1.85	60.66							20	20				
A-10-73B	624.85	627.9	3.05	2.8	91.80	1.15	41.07							5	4				1
A-10-73B	627.9	630.94	3.04	2.75	90.46	0.96	34.91												
A-10-73B	630.94	633.99	3.05	3	98.36	1.31	43.67												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-73B	633.99	637.04	3.05	3.05	100.00	2.63	86.23												
A-10-73B	637.04	640.09	3.05	3.05	100.00	2.65	86.89												
A-10-73B	640.09	643.14	3.05	3.05	100.00	2.25	73.77												
A-10-73B	643.14	646.18	3.04	3.04	100.00	0.98	32.24												
A-10-73B	646.18	649.23	3.05	3.05	100.00	2.16	70.82												
A-10-73B	649.23	652.28	3.05	3	98.36	1.95	65.00												

COAST MOUNTAIN GEOLOGICAL LTD.
DRILL HOLE COVER SHEET

PROPERTY: AKIE
DRILL HOLE #: A-10-74
LOGGED BY: David Draeseke, Scott Dowler
COVER SHEET DATE: August 29, 2010

DDH COLLAR LOCATION

PROPOSED
DATUM: NAD 83 Zone 10

LOCAL GRID		UTM CO-ORDS	
NORTH:		NORTHING:	6360545
EAST:		EASTING:	388172
ELEVATION:		ELEVATION:	1700

SURVEYED

LOCAL GRID		**UTM CO-ORDS**	
NORTH:		NORTHING:	
EAST:		EASTING:	
ELEVATION:		ELEVATION:	

DDH COLLAR ORIENTATION

PROPOSED
AZIMUTH: 60
DIP: -76

SURVEYED
AZIMUTH:
DIP:

DDH LENGTH

PROPOSED
LENGTH: 650

ACTUAL
LENGTH: 645.27

DRILLING INFORMATION

CONTRACTOR: RODREN DRILLING
CORE DIAMETER: HQ, NQ
DATE STARTED: 09-Aug-10
DATE COMPLETED: 25-Aug-10
CAPPED: YES
CASING: YES
UNITS: METRIC: YES IMPERIAL: YES

HOLE OBJECTIVE: Target along strike fo the deposit to the NW and up-dip.

The magnetic declination used is 20.78 degrees to the East

HOLE SUMMARY: The hole was collared into the soft shales of the Akie formation. Lithology shifted into the Gunsteel formation shales at a depth of 73.55m. The Gunsteel shales persisted for the majority of the drill hole continuing to a depth of 605.59m before shifting into the underlying debris flow. The hole was terminated in the rocks of the Road River group at a depth of 645.27m. A weakly to moderately developed section of the Cardiac Creek Zone was intercepted over a width of 17.36m beginning at a depth of 561.58m. The Cardiac Creek zone was surrounding by well developed proximal bedded Pyrite.

Note: The last box of the drill hole was dumped during transport. The final depth of hole is estimated.

DOWN HOLE SURVEY

SURVEY TYPE: REFLEX EZ-SHOT

DISTANCE	AZIMUTH	DIP	ACPTED	COMMENTS
0	60	-76		Collar
17	58.28	75.5	Yes	
20	58.08	75.5	Yes	
47	54.38	75.3	Yes	
50	55.08	75.7	Yes	
77	54.58	75.5	Yes	
100	51.68	75	Yes	
107	51.48	74.9	Yes	
130	48.58	73.3	Yes	
137	54.18	74.5	Yes	
167	45.38	70	Yes	
185	44.78	68.8	Yes	
185	44.98	68.7	Yes	
188	44.88	68.5	Yes	
218	42.88	66.7	Yes	
248	42.68	65.4	Yes	
278	40.98	65.1	Yes	
308	40.68	64.8	Yes	
338	37.28	65.7	Yes	
368	36.78	64.1	Yes	
398	36.28	61.9	Yes	
428	34.78	59.8	Yes	
458	34.08	58.4	Yes	
488	33.78	57.3	Yes	
532.49	33.78	56.4	Yes	
562.97	34.38	55.8	Yes	
593.45	35.68	54.9	Yes	
623.93	35.68	53.7	Yes	

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-74	0	6	6	Casing/Overburden	Collar/Overburden	CS		CS
A-10-74	6	73.55	67.55	Dark grey to black siltstone and mudstone	Dark grey to black carbonaceous shale and interbedded mudstone and siltstone in discontinuous disrupted beds. Top of hole is weathered and contains FeO. Core is blocky and displays cleavages that are irregular ranging from 10 to 50 degrees. Common bright brassy py replaced calcite blebs of varying size from a few mm's to 10+cm throughout. Variably siliceous with up to 10cm sections of higher silica content occurring at 28m and 30.78m. Variably calcareous ranging from completely nonreactive to mildly reactive to HCL. Localized sections of randomly oriented, mm thick quartz carb veinlets found throughout unit, some filling extensional fractures. Graphitic partings become more common down hole.	3TS		AKF
A-10-74	73.55	76.52	2.97	Dark grey sandstone fragments in black mudstone	Dark grey calcareous rounded sandstone fragments, with py replacement, hosted in black mudstone. Fragments range from mm to 5 cm in size	4SH		GSF
A-10-74	76.52	111.26	34.74	Black graphitic mudstone	Dark grey to black carbonaceous shale and interbedded mudstone and siltstone in discontinuous disrupted beds. Contact begins in a large fault zone that resulted in 3m of missing core due to poor recovery. Greater hardness is noted as silica content increases down hole. Core contains vfg pyrite and pyrite replaced calcit blebs at 98.19m-99.5m. Half meter section of AKIE sandstone at 97.22m.	4SH		GSF
A-10-74	111.26	121.04	9.78	Dark grey sandstone fragments in black mudstone	Dark grey calcareous subangular to rounded sandstone fragments, with py replacement, in dark grey matrix hosted in black mudstone. This zone displays flow structures in the black mudstone host rock surrounding the sandstone fragments.	4SH		GSF
A-10-74	121.04	206.43	85.39	Black graphitic mudstone	Dark grey to black carbonaceous shale and interbedded mudstone. Core over this interval ranges from heavily poker chipped and fissile to 30cm sections of competent core. Sparse disseminated fine grained py throughout mudstone. Common lenticular blebs of py replaced calc. Calc-qtz vein with angular clast of pyrobitumen at 131.24m-131.35m. Highly polished graphitic slicken-sides common along poker chipped cleavages. Highly calcareous silt bed at 155.38m-155.70m with conformable up-hole contact and angular abrupt down-hole contact. Core displays irregular disrupted bedding but very regular cleavage angles of 30-45 degree. Nodular barite appears in a small section beginning at 154.03m and ending at 154.34m. Common blebs of pyrite in shales. Pyrobitumen common in calc dominated veins.	4SH		GSF
A-10-74	206.43	213.38	6.95	Baritic graphitic shales	Conformable barite common in black carbonaceous shales.	4SH	4BSH	GSF
A-10-74	213.38	215.4	2.02	Black graphitic mudstone with fragments of light silt/sandstone	Black carbonaceous mudstone with discontinuous and disrupted beds containing light grey fragments of silt/sandstone. 7cm section of discontinuous light grey silt and black mudstone beds with disseminated pyrite oriented at 30 degrees TCA at 241.09m.	4FSH		GSF
A-10-74	215.4	236.03	20.63	Black graphitic mudstone	Moderately siliceous mudstone displaying many faults whose contents range from blocky and absent of gouge to moderate amount of highly developed gouge and poker chipped. The core ranges from finely laminated, thinly bedded highly siliceous cherty mudstone to massive beds of weakly siliceous black mudstone.	4SH		GSF
A-10-74	236.03	240.62	4.59	Black graphitic mudstone with fragments of light silt/sandstone and minor barite	Black carbonaceous mudstone with white to dark grey rounded to subangular calcareous fragments. At 237.65m and 238.83m light grey limey section containing angular fragments of black host rock mudstone (breccia). Many rounded fragments display up to 30% pyrite replacement and remnant bedding planes.	4FSH	4BSH	GSF
A-10-74	240.62	255.83	15.21	Black carbonaceous mudstone with minor barite and light grey siltstone beds	Black carbonaceous mudstone with minor barite and light grey siltstone beds. At 242.07m-242.19m a bed of limey mud/siltstone contains many concretion-like nodules that are highly reactive to HCL. The light grey silty beds contain secondary disseminated pyrite up to 5%. At 242.44m a vfg 0.5cm pyrite bed is observed.	4SH	4BSH	GSF
A-10-74	255.83	262.65	6.82	Semi-siliceous black mudstone with faint pyrite laminations	Black semi-siliceous mudstone with faint vfg pyrite laminations. The vfg pyrite laminations are only visible when core is wet. At 260.30m there is a 10cm band of highly calcareous silt/mudstone displaying visible grains of secondary pyrite.	4SH	4PYSH	GSF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-74	262.65	325.49	62.84	Black graphitic mudstone that is heavily faulted	Black carbonaceous mudstone with visible secondary pyrite grains . 91cm section of highly calcareous silt/mudstone with angular fractures filled with calcite. The beginning of the interval consists of competent core with up to 30cm lengths and leads into a major fault that continues from 265.90m to 325.49m and beyond. The fault, in this interval, contains veins and silicified core lengths of up to 11cm as well as minor fragmental portions located at 285.54m. The silicified examples are found at 274.1m, 279.2m and 320.7m. Minor barite beds observed at 306.5m.	4SH		GSF
A-10-74	325.49	336.86	11.37	Fault effected graphitic mudstone with minor barite that is very fault effected	Core over this interval is heavily fault effected leading to low RQD values. Barite appears as faint nodules and vivid white nodules with pyrite replacement throughout the interval. Very minor laminations of sulphide beds occur at 332.57m and 334.38m. At 334.63m to 335.09m a dark grey siltstone length with secondary disseminated pyrite exists.	4SH	4BSH	GSF
A-10-74	336.86	357.98	21.12	Black carbonaceous mudstone with minor barite and light grey siltstone fragments	Top part of interval is heavily fault effected but is more competent down hole. Section contains fragments, of up to 13cm, consisting of bedded nodular barite and bedded sand/siltstone. Fragments are sub-angular to rounded and tend to be calcareous. Minor barite with pyrite replacement is common throughout interval.	4FSH	4SH	GSF
A-10-74	357.98	362.86	4.88	Black mudstone with nodular barite	Black mudstone with disseminated nodular barite with pyrite replaced cores throughout interval. Core is moderately siliceous. The barite concentration is gradational becoming less common down hole. Moreover, the nodules become smaller and less distinct with depth.	4SH	4BSH	GSF
A-10-74	362.86	404.76	41.9	Black siliceous mudstone	Massive black siliceous mudstone with large veining events that have subsequently silicified the surroundir host rock concentrating the alteration in the up hole direction. Core is significantly fault effected at 381.42m-391.00m and to a lesser extent at 397.42m-398..48m and 412.8m-414.52m with highly siliceous, competent lengths in between. Calc-qtz vein displays visible sphalerite at 392.00m-395.96m.	4SH		GSF
A-10-74	404.76	431.49	26.73	Black siliceous mudstone with rare, very fine grained py beds.	Highly siliceous black mudstone with occasional, but rare, 0.5cm-mm scale vfg py beds and minor barite. Core displays common fine grained disseminated pyrite in localized, up to 12cm bands. Common calc stringers display, up to 60%, pyrite replacement.	4SH	4PYSH	GSF
A-10-74	431.49	434.44	2.95	Black siliceous mudstone with common, very fine grained py beds and nodular barite.	Black siliceous mudstone with common, very fine grained, pyrite beds associated with vivid white to light grey contorted nodular barite. Barite displays pyrite replacement ranging from 50% to 100%. This interval is dominated by a veining event. The vein incorporated and disrupted the mineralized host rock.	4PYSH		GSF
A-10-74	434.44	438.61	4.17	Black siliceous mudstone	Black siliceous mudstone lacking bedding with minimal mineralization. Qtz-calc stringers aligned roughly parallel to cleavage are common. Interval contains three concretions that display pyrite replacement at edges.	4SH		GSF
A-10-74	438.61	469.2	30.59	Black siliceous mudstone with common, very fine grained py beds and nodular barite.	Black siliceous mudstone with common interbedded, very fine grained, pyrite beds associated with vivid white to light grey contorted nodular barite. Barite displays pyrite replacement ranging from 10% to 80% and vary from milk white to light grey. Disrupted pyrite/barite beds have an anomalous 90 degree TCA orientation but the majority of the pyrite/barite beds display regular bedding angles ranging from 55 to 70 degrees. The pyrite/barite beds are concentrated into 3 to 6 cm widths and occur as solitary grouped beds or occur together in 3 to 4, 3 to 6cm wide beds. A Z fold is observed at 467.58m and continues for 8cm. The fold axis is measured at 40 degrees and contains vfg pyrite and contorted nodular barite with pyrite replaced cores. A 16cm calcareous silt bed follows the folded pyrite/nodular barite bed at 467.68m-467.84m	4PYSH		GSF
A-10-74	469.2	473.72	4.52	Black siliceous mudstone	Black siliceous mudstone with a qtz-calc veining event containing minor secondary pyrite. Host rock contains fine grained disseminated pyrite.	4SH		GSF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-74	473.72	549.23	75.51	Black siliceous mudstone with common, very fine grained py beds and nodular barite.	Black siliceous mudstone with common interbedded, very fine grained pyrite beds associated with vivid white to light grey contorted nodular barite. Barite displays pyrite replacement ranging from 10% to 80%. A fold is observed at 488.48m containing a limey mud, vfg pyrite and distorted nodular barite with a fold access of 50 degrees. The top of the fold interval is an S fold, whereas the down hole portion displays a Z fold. This interval contains several limey mud beds ranging from 2cm-7cm in true thickness occurring 474.61m, 482.44m, 485.98m, 486.63m, 517.26 and 528.41m. A veining event occurs from 491.71m-491.92m that is conformable at the top of the interval (80 degrees), folds to a 0 degree TCA orientation then folds back to conformable to cleavage at the bottom (35 degrees). Vein incorporates mineralized host rock but the vein itself is void of mineralization.	4PYSH		GSF
A-10-74	549.23	561.58	12.35	Pyrite beds with black shales and minor grey sphalerite	Black competent moderately siliceous mudstone with common, 4 to 14cm, vfg pyrite beds, oriented 25-60 degrees, with nodular barite that display pyrite replacement within cores. Sulphide beds contain faint light grey thin beds to laminations of possible sphalerite. Possible sharp, cheveron-like, fold at 530.88m. Overlying bed orientation of fold is 20 degrees, fold axis is 25 degrees and lower bed is measured at 30 degrees all over a distance of 4cm. Blebs of fine grained pyrite within black mudstone at 542.26m and 545.0m. Common fine grained, disseminated pyrite in black shale throughout interval.	4MPSH		GSF
A-10-74	561.58	578.94	17.36	Laminated grey sphalerite, pyrite interbedded with blac shales and rare galena	The interval begins with veining event that contains mineralisation incorporated from host rock and grades into massive vfg pyrite/sphalerite beds and minor visible galena at 563.57m. Beds range from 10cm - 1.5m in apparent thickness. Sulphide beds display an increased presence of light grey, steely laminations (sphalerite) with carbonate emplacement and are oriented from 50-60 degrees TCA. Minor nodular barite that has been completely replaced with calcite grades in at depth. Stylolite observed at 573.61m. Within bedded sulphides, fragment frequency and size increase down hole. Sulphides display pressure shadows and contorted bedding around fragments as an example of soft sediment deformation in syndepositional environment. Fragments first appear at 556.95m and are subcentemeter but frequent until 560.37m where a 2cm fragment is observed. Larger fragments are located at 560.65m, 562.65m, 563.59 and 568.53m that range from 4cm - 8cm and all display relic bedding at different orientation to host rock sulphide bedding. Fragments are subangular to rounded in shape. Fragment size and frequency decrease with depth. Rare calcareous mud beds are observed at 568.0m-568.13m and 571.16m-571.23m.	4CC	4MPSH	GSF
A-10-74	578.94	587.36	8.42	Pyrite beds with black shales and minor grey sphalerite	Pyrite and minor sphalerite sulphide beds with black mildly siliceous shale interbeds containing more common calcite replaced barite than previous interval. Sulphide beds range from 2cm-16cm in apparent thickness. Fragment occurrence is less than previous interval but appear at 79.40m, 579.95m, 581.39m, 582.46m and 582.84m. Bedding angles range from 70-90 degrees	4MPSH	4CC	GSF
A-10-74	587.36	598.15	10.79	Black massive mudstone	Soft black mudstone lacking visible bedding with cleavage of 25-30 degrees	4SH		GSF
A-10-74	598.15	602.47	4.32	Pyrite beds with black shales in veining episode.	Thin disrupted beds of predominately pyrite among veinlets that have brecciated host mudstone. 5cm fold, with minor axis of 25 degrees (fold nose at 205 degrees), located at 599.84m. Bottom of interval contains undisturbed laminar silt beds oriented at 60 degrees.	4MPSH		GSF
A-10-74	602.47	605.59	3.12	Black massive mudstone	Moderately siliceous black mudstone displaying cleavage of 50 degrees	4SH		GSF
A-10-74	605.59	607.87	2.28	Bioclastic brecciated limestone	Bioclastic brecciated limestone with minor extensional vein at 607.40m preceeded by cross-cutting subcentemeter vein oriented at 130 degrees. Bioclasts grade out down hole into black mudstone that is incorporated into disrupted sulphide beds. Fragmental unit is observed at 606.90m and continues to 607.14m.	5BXLS		PRF
A-10-74	607.87	645.27	37.4	Calcareous siltstone with carbonaceous shale interbeds	Light grey calcareous siltstone containing disrupted beds with dark grey to black carbonaceous mudstone interbeds. Black mudstone contains pyrite replaced calcite blebs and minor veinlets with pyrite replaced calcite at 610.91m, 611.92m, 612.65m and 613.22m. A white calcareous, brecciated siltstone displaying relic bedding, oriented at 70 degrees (618.14m), is observed at 618.10m-618.62m. Veinlets located at 640.68m and 641.64 contain pyrite rplaced calcite and visible sphalerite.	6CSS	6SH	RRG
					END OF HOLE. The last box was dumped in transport. EOH depth is estimated.			

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	ALT	INTENSITY
A-10-74	272.78	272.82	0.04	4cm section of moderately silicified silt/mudstone associated with qtz-calc stringers	Silicification	Moderate
A-10-74	273.07	273.17	0.1	10cm section of moderately silicified silt/mudstone associated with qtz-calc stringers	Silicification	Moderate
A-10-74	278.2	279.11	0.91	91cm section of moderately silicified silt/mudstone associated with qtz-calc veinlets oriented at 125 degrees with blocky pieces associated with fault.	Silicification	Moderate
A-10-74	320.7	321.14	0.44	Small stringer veinlet zone that has silicified host mudstone giving it a 'ting' when tapped with a hammer compared to a dull thud when hitting the unaltered mudstone. It also has a lighter grey blue tinge to it.	Silicification	Moderate
A-10-74	380.34	384.11	3.77	Gradational silicification ranging from slight to intense to the uphole contact of the veining event and abrupt, from intense to almost nonexistent, on the down hole side.	Silicification	Intense
A-10-74	396.2	396.6	0.4	Highly silcified section in the lower part of a vein zone.	Silicification	Intense
A-10-74	554.57	554.81	0.24	Highly silcified section in the middle of a veining event	Silicification	Intense

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	PY %	SP %	GA %	BA %	CP %	PO %
A-10-74	49.07	64.37	15.3	Common blebs of py replaced calcite with minor visible sphalerite in calc-qtz stringers at 64.25m hosted in grey siltstone mudstone	3	TR				
A-10-74	97.22	99.5	2.28	Disseminated py in host mudstone. Common py replaced calcite in veins.	4					
A-10-74	154.03	154.34	0.31	Nodular barite appears in a small section beginning at 154.03m and ending at 154.34m.				5		
A-10-74	206.43	206.8	0.37	Very faint nodular barite section.				TR		
A-10-74	336.86	362.86	26	Common nodular barite with pyrite replaced cores and blebs of pyrite in fragments.	4			3		
A-10-74	392	395.96	3.96	Veining over this interval contains abundant visible honey brown sphalerite		4				
A-10-74	404.76	431.49	26.73	The interval contains rare thinly bedded VFG pyrite	TR					
A-10-74	431.49	434.44	2.95	Core displays a moderate concentration of pyrite/barite beds and veining event that incorporated pyrite mineralized host rock.	5			TR		
A-10-74	438.61	469.2	30.59	Increased concentration of pyrite/barite beds.	7			4		
A-10-74	473.72	561.58	87.86	Interbedded pyrite/barite minor sphalerite within massive black mudstone	10	TR		6		
A-10-74	561.58	578.94	17.36	Massive beds of vfg pyrite/sphalerite with minor visible galena	25	20	TR	TR		
A-10-74	578.94	587.36	8.42	Sulphide beds with black mildly silicious shale interbeds containing more common calcite replaced barite than previous interval. Sulphide beds range from 2cm-16cm.	20	15		5		
A-10-74	598.15	602.47	4.32	Thin beds of pyrite incorporated in veinning event	15					
A-10-74	605.59	607.87	2.28	Beds of disrupted pyrite associated with bioclastic limestone	15	TR				
A-10-74	640.25	642.1	1.85	Calc veins with pyrite replacement and VS (visible sphalerite)	TR	TR				

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-74	19.94	22.93	2.99	Randomly oriented quartz, carb vein zone with some 2-5mm wide veinlets oriented parallel to cleavage and the majority of the section is crackle brecciated. At 21.74m there is a cm scale extensional vein zone. Fine grained bright, brassy Py found occasionally within veining.	2	
A-10-74	29.74	30	0.26	At the beginning of the interval the quartz, carb veinlet zone is randomly oriented and brecciating host rock into mm scale, angular clasts. The end of the vein zone is marked by a cm wide vein oriented at 70 degrees to CA and it crosscuts mm scale veinlets oriented at 110 degrees to CA.	10	
A-10-74	32.56	33.58	1.02	Randomly oriented, discontinuous, sub mm quartz carb stringer veinlet zone following relict bedding planes. Mineralization within veins is dull, fine grained Py to bright, brassy coarser grained Py.	5	
A-10-74	42.64	44.03	1.39	Calc-qtz veinlets with an orientation of 40 degrees at beginning of interval grading into 1cm thick vein at 40 degrees with 20cm stringer zone following.	10	40
A-10-74	60.64	60.74	0.1	Small stringer zone grading into 1cm wide calc-qtz vein	15	55
A-10-74	64.53	68.77	4.24	Calc-qtz vein, oriented at 50 degrees, that grades into a massive vein zone that brecciated host rock. Minor zone that is conformable to bedding plains in from 67.5m-68.77	40	35
A-10-74	83.85	83.95	0.1	Calc-qtz vein brecciating host rock with minor visible sphalerite	50	50
A-10-74	85.15	85.22	0.07	Calc-qtz vein conformable to folding host rock	40	0
A-10-74	86.41	86.48	0.07	Calc-qtz vein conformable host rock	30	40
A-10-74	86.9	87	0.1	10cm thick massive calc-qtz vein conformable to bedding	70	40
A-10-74	88.25	88.47	0.22	Two parallel, 1cm and 2cm, calc-qtz veins oriented at 30 degrees	15	30
A-10-74	91.68	91.96	0.28	Calc-qtz vein zone with minor lams of py.	65	
A-10-74	96.62	99.5	2.88	Stringer zone with disseminated py in host rock	5	
A-10-74	107.04	107.16	0.12	1cm qtz-carb dilation veinlet with associated qtz-calc stringers that cross-cut with trace disseminated py	10	55
A-10-74	108.99	110	1.01	Shear vein oriented at 40 degrees 60% silica 40% carbonate with flow structures and trace pyrite mineralization contained in host rock	60	40
A-10-74	131.24	131.35	0.11	White to translucent white qtz-carb vein with 1-2mm angular pyrobitumen fragments	80	40
A-10-74	137.86	139.38	1.52	Dull white qtz-calc veinlets pervasive over interval	5	30
A-10-74	157.21	157.36	0.15	mm crackle veinlets consisting of calc with minor qtz	10	
A-10-74	179.02	181.37	2.35	Vein zone consisting of predominately light grey calc with minor qtz. Pyrobitumen is common in conformable to cleavage veins but void in cross-cutting milky white vein	25	35
A-10-74	185.36	185.39	0.03	Small white predominately calc vein with angular pyrobitumen	5	
A-10-74	190.23	190.3	0.07	Milk white calc vein with both cross-cutting and conformable orientation, relative to cleavage, containing angular pyrobitumen	5	25
A-10-74	195.84	196.02	0.18	Milk white predominately calc vein with minor qtz formed in void space parallel to cleavage. Vein contains pyrite in qtz.	25	20
A-10-74	208.76	209.83	1.07	White quartz, carb (predominantly qtz) vein, randomly oriented and concentrated at beginning of vein interval, grading into stringer veinlet zone with a common orientation of 130 degrees to CA	30	
A-10-74	210.3	210.49	0.19	Extensional quartz, carb vein	20	140

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-74	210.71	211.62	0.91	Quartz, calc vein zone generally parallel to cleavage with some visible bright brassy yellow Py and honey brown Sp within vein	5	55
A-10-74	255.98	257.49	1.51	White Quartz, carb veins (30%,70% composition) generally oriented at 50 degrees to CA. No visible sulphide mineralization.	3	50
A-10-74	258.7	258.96	0.26	Quartz, carb crackle veins that are semi-conformable and also brecciating host rock mudstone, generally oriented approximately 55 degrees to CA. No visible sulphide mineralization.	15	55
A-10-74	295.35	295.51	0.16	Predominately qtz with calc vein with no specific orientation incorporated in a large fault as a 16cm length of competent core.	95	
A-10-74	369.88	375.97	6.09	Large randomly oriented quartz, carb (mostly carb composition) vein/veinlet zone containing disrupted, convoluted veins ranging from sub mm to 2cm thick. Uphole contact of vein unit is a possible healed fault. Angular 1-3mm sized host rock mudstone clasts within some vein material. Mineralization consists of bright brassy yellow Py.	25	
A-10-74	377.09	377.8	0.71	Predominately calc, qtz/carb veining containing bright brassy yellow Py, marked by an 8cm wide vein uphole and extensional veinlets down hole.	30	
A-10-74	381.13	383.42	2.29	Predominately qtz with calc vein cross-cutting, from 0 to 90 degrees, host rock that is gradationally silicified in the up-hole direction and faintly silicified in the down-hole direction.	30	
A-10-74	392.07	398.07	6	Gradational vein zone that is conformable at the top of the interval, oriented at 35 degrees, with minor brecciation and veinlets that displays a folding and a cross-cutting second veining event, oriented at 70-80 degrees, and transitions into a highly silicified 40cm section beginning at 396.80m with abrupt nonsilicified contact down hole. Common sphalerite in calc dominated stringers and brecciation areas.	30	
A-10-74	430.65	432.59	1.94	Randomly oriented quartz, carb vein zone with the upper portion of the veining possibly part of a healed fault as it displays a crackle breccia texture and moderately silicified host rock. Veining here appears folded. Very fine grained Py intermixed with veining at 431.02m.	25	
A-10-74	433.05	433.29	0.24	Convolute quartz, carb vein zone generally of 0.5-1cm in thickness. Very fine grained, dull brown Py conformable to veining at the beginning of interval.	20	
A-10-74	434.26	436	1.74	Convolute quartz, carb (60qtz, 40carb) vein zone ranging in thickness from 0.5-2cm in thickness. Large 20cm wide vein towards the bottom of zone. Brecciated host rock common within vein material and mineralization in a few veins consists of honey brown Sp.	25	
A-10-74	470.52	471.98	1.46	Vein begins as a 1cm conformable band of qtz with minor calc absent of mineralization followed by black mudstone that grades into an extensional vein containing visible pyrite mineralization.	10	40
A-10-74	473.22	473.86	0.64	Dense stringer zone brecciating host rock with lamination of pyrite near lower contact incorporated into vein zone.	25	
A-10-74	475.98	476.03	0.05	Extensional quartz, carb vein	40	30

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-74	491.71	491.92	0.21	Veining is conformable at the top of the interval (80 degrees), folds to a 0 degree TCA orientation then folds back to conformable to cleavage at the bottom (35 degrees). Vein incorporates mineralized host rock but the vein itself is void of mineralization.	55	
A-10-74	553.85	553.99	0.14	6 extensional quartz, carb veins, 1cm and less in width between massive pyrite silty laminations and minor grey sphalerite.	10	45
A-10-74	554.31	556.36	2.05	Veining event that is confined to black mudstone interbedded in massive sulphides. Start of interval has no particular orientation. Bottom of interval has both conformable stringers and cross-cutting veinlets oriented at 30 degrees.	15	30
A-10-74	576	576.24	0.24	Localized veining event entraining mineralised host rock and brecciated black mudstone. Calc-silica vein lacks mineralisation.	55	
A-10-74	598.42	602.23	3.81	Conformable (40 degrees) vein at beginning that grades into cross-cutting massive then transitions into stringer/brecciation zone that continues for ~2m and ends abruptly in a 2cm conformable (90 degrees), mostly calc vein.	30	
A-10-74	607.14	608.32	1.18	Cross-cutting and minor extensional zone with linear (110 degrees) calc-silica stringers and minor brecciation of host rock	15	
A-10-74	640.68	641.82	1.14	Veinlet zone brecciating host rock with pyrite replaced calcite and visible sphalerite	5	50

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-74	13.75	13.76	0.01	Cleavage	CLV	35
A-10-74	13.84	13.85	0.01	Fine laminations of silt and mudstone.	BDG	30
A-10-74	18.16	18.17	0.01	Cleavage	CLV	40
A-10-74	19.62	19.63	0.01	Cleavage	CLV	45
A-10-74	22.42	22.43	0.01	Cleavage	CLV	45
A-10-74	25.29	25.3	0.01	Cleavage	CLV	40
A-10-74	25	26.12	1.12	Fault zone characterized by blocky, rubbly core and moderately developed gouge	FLT	
A-10-74	28.61	28.62	0.01	Cleavage	CLV	45
A-10-74	30.01	30.02	0.01	Mudstone/siltstone lamination	BDG	125
A-10-74	30.06	30.07	0.01	Mudstone/siltstone lamination	BDG	70
A-10-74	30.13	30.14	0.01	Mudstone/siltstone lamination	BDG	30
A-10-74	30.78	30.79	0.01	Cleavage	CLV	35
A-10-74	33.66	33.67	0.01	Boudinaged siltstone beds w/ Py replacement	BDG	10
A-10-74	35.16	35.17	0.01	Cleavage	CLV	50
A-10-74	36.26	36.27	0.01	Cleavage	CLV	20
A-10-74	37.45	37.46	0.01	Pyritic siltstone beds	BDG	130
A-10-74	37.93	37.94	0.01	Cleavage	CLV	10
A-10-74	39.14	39.15	0.01	Cleavage	CLV	20
A-10-74	39.81	40.68	0.87	Minor fault zone containing blocky, rubbly core	FLT	
A-10-74	40.91	40.92	0.01	Cleavage	CLV	50
A-10-74	41.35	41.65	0.3	Fault zone with blocky core	FLT	
A-10-74	41.92	41.93	0.01	Cleavage	CLV	40
A-10-74	42.31	42.64	0.33	Fault zone with broken blocky core with very little gouge	FLT	
A-10-74	42.96	43.66	0.7	Broken blocky core with very little gouge	FLT	
A-10-74	43.67	43.68	0.01	Cleavage	CLV	40
A-10-74	44.03	46.18	2.15	Blocky fault zone with up to 10cm length of competent core and minor developed gouge.	FLT	
A-10-74	46.49	46.5	0.01	Cleavage	CLV	40
A-10-74	47	48.93	1.93	Blocky fault zone with poker chipped core and moderate amount of developed gouge.	FLT	
A-10-74	52.58	52.59	0.01	Cleavage	CLV	25
A-10-74	52.86	54.15	1.29	Blocky fault zone absent of gouge	FLT	
A-10-74	55.29	55.63	0.34	Small fault zone consisting entirely of well developed gouge	FLT	
A-10-74	55.88	55.89	0.01	Cleavage	CLV	40

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-74	59.4	60.38	0.98	Fault zone with blocky broken core and minor developed gouge	FLT	
A-10-74	60.78	60.79	0.01	Cleavage	CLV	50
A-10-74	63.62	63.63	0.01	Cleavage	CLV	30
A-10-74	64.53	64.54	0.01	Cleavage	CLV	50
A-10-74	65.16	65.17	0.01	Cleavage	CLV	30
A-10-74	65.18	67.91	2.73	Fault zone with poker chipped core with minor poorly developed gouge	FLT	
A-10-74	68.26	68.27	0.01	Cleavage	CLV	35
A-10-74	69.4	69.41	0.01	Cleavage	CLV	55
A-10-74	70.04	71.08	1.04	Fault zone with blocky broken core and minor moderately developed gouge	FLT	
A-10-74	71.66	71.67	0.01	Cleavage	CLV	60
A-10-74	72.07	72.47	0.4	Fault zone with blocky broken core and minor developed gouge	FLT	
A-10-74	72.91	72.92	0.01	Cleavage	CLV	65
A-10-74	73.18	74.31	1.13	Fault zone with up to 10cm lengths of intact competent core with small amount of poorly developed gouge	FLT	
A-10-74	75.76	75.77	0.01	Cleavage	CLV	55
A-10-74	76.86	76.87	0.01	Cleavage	CLV	55
A-10-74	76.92	80.52	3.6	Fault zone with rubble and large amount of well developed core	FLT	
A-10-74	81.14	81.78	0.64	Blocky fault absent of gouge	FLT	
A-10-74	83.39	83.78	0.39	Blocky fault with poker chipped core void of gouge	FLT	
A-10-74	84.32	85.17	0.85	Blocky fault with some well developed gouge	FLT	
A-10-74	89	90.88	1.88	Poker chipped core in fault zone with minor well developed gouge	FLT	
A-10-74	92.53	92.54	0.01	Cleavage	CLV	50
A-10-74	92.37	96.52	4.15	Fault zone with poker chipped core with large amounts of well developed gouge	FLT	
A-10-74	96.6	96.61	0.01	Cleavage	CLV	
A-10-74	98.19	98.2	0.01	Cleavage	CLV	40
A-10-74	101	101.01	0.01	Cleavage	CLV	30
A-10-74	102.98	102.99	0.01	Cleavage	CLV	30
A-10-74	104.21	104.22	0.01	Cleavage	CLV	30
A-10-74	105.68	105.69	0.01	Cleavage	CLV	30
A-10-74	106.17	106.3	0.13	Highly fractured rubbly core with weakly developed gouge along partings	FLT	

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-74	107	107.01	0.01	Cleavage	CLV	55
A-10-74	108.33	108.34	0.01	Cleavage	CLV	35
A-10-74	109.04	109.05	0.01	Cleavage	CLV	45
A-10-74	110.72	110.73	0.01	Cleavage	CLV	30
A-10-74	111.88	112.09	0.21	Fractured core with weak to moderately developed fault gouge	FLT	
A-10-74	115.85	115.86	0.01	Cleavage	CLV	25
A-10-74	117.36	117.37	0.01	Cleavage	CLV	30
A-10-74	119.07	119.08	0.01	Cleavage	CLV	30
A-10-74	122	122.01	0.01	Cleavage	CLV	35
A-10-74	125.07	125.08	0.01	Cleavage	CLV	30
A-10-74	125.5	125.51	0.01	Cleavage	CLV	35
A-10-74	128	128.01	0.01	Cleavage	CLV	40
A-10-74	128.56	130.2	1.64	5cm section of fault gouge at start of interval followed by poker chipped shale with graphitic slicken-sides	FLT	
A-10-74	134	134.01	0.01	Cleavage	CLV	38
A-10-74	137.04	137.05	0.01	Cleavage	CLV	35
A-10-74	137.73	138.17	0.44	Fractured poker chipped core with weak to moderately developed gouge along cleavage plane with weak graphitic sheen.	FLT	
A-10-74	139.8	153.7	13.9	Heavily poker chipped fault effected blocky core with weak graphitic partings. Less than 5cm sections of moderate to well developed gouge	FLT	40
A-10-74	154.3	154.31	0.01	Nodular barite bed	BDG	40
A-10-74	155	155.01	0.01	Cleavage	CLV	35
A-10-74	158.08	158.09	0.01	Cleavage	CLV	30
A-10-74	159.34	159.35	0.01	Cleavage	CLV	40
A-10-74	160.77	161	0.23	Fissile poker chipped core with minor moderately developed gouge.	FLT	
A-10-74	161.46	161.47	0.01	Cleavage	CLV	30
A-10-74	163.34	163.35	0.01	Cleavage	CLV	40
A-10-74	165.78	165.79	0.01	Cleavage	CLV	40
A-10-74	168.91	168.92	0.01	Cleavage	CLV	40
A-10-74	170.62	170.63	0.01	Cleavage	CLV	50
A-10-74	173.95	173.96	0.01	Cleavage	CLV	35
A-10-74	179.3	179.36	0.06	Section of highly developed gouge, cross-cutting cleavage that is slightly healed.	FLT	15
A-10-74	176.93	176.94	0.01	Cleavage	CLV	30
A-10-74	179.99	180	0.01	Cleavage	CLV	30
A-10-74	183.35	183.36	0.01	Cleavage	CLV	35

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-74	185.59	185.6	0.01	Cleavage	CLV	30
A-10-74	186.57	187.27	0.7	Blocky fault zone void of gouge	FLT	
A-10-74	188	188.01	0.01	Cleavage	CLV	30
A-10-74	189.13	189.14	0.01	Cleavage	CLV	30
A-10-74	190.66	190.67	0.01	Cleavage	CLV	25
A-10-74	191.66	191.67	0.01	Cleavage	CLV	30
A-10-74	194	194.01	0.01	Cleavage	CLV	30
A-10-74	195.69	195.7	0.01	Cleavage	CLV	25
A-10-74	196.66	196.67	0.01	Cleavage	CLV	25
A-10-74	197.9	199.02	1.12	Blocky fault zone void of gouge	FLT	
A-10-74	199.37	199.38	0.01	Cleavage	CLV	20
A-10-74	202.23	202.24	0.01	Cleavage	CLV	20
A-10-74	205.38	206.43	1.05	Blocky poker chipped core with 2cm and up to 30cm lengths of well developed gouge along cleavage.	FLT	
A-10-74	206.55	206.56	0.01	Cleavage	CLV	35
A-10-74	206.8	207.9	1.1	Blocky poker chipped core with well developed gouge.	FLT	
A-10-74	208.24	208.36	0.12	Minor fault zone characterized by blocky core with some moderately developed gouge	FLT	
A-10-74	209.22	209.57	0.35	Minor fault zone characterized by highly graphitic, poker chip core and a moderate amount of well developed gouge	FLT	
A-10-74	210.08	210.09	0.01	Cleavage	CLV	50
A-10-74	211.17	211.18	0.01	Nodular barite bed	BDG	50
A-10-74	211.96	211.97	0.01	Nodular barite bed	BDG	60
A-10-74	212	212.01	0.01	Cleavage	CLV	40
A-10-74	212.74	213.38	0.64	Fault zone characterized by blocky, rubbly core and moderately developed gouge and partially healed by quartz, carb veining.	FLT	
A-10-74	214.79	214.8	0.01	Cleavage	CLV	45
A-10-74	215.76	215.77	0.01	Cleavage	CLV	40
A-10-74	218	218.01	0.01	Cleavage	CLV	40
A-10-74	218.41	218.59	0.18	Fault zone consisting of poker chip core and minor, moderately developed gouge.	FLT	
A-10-74	218.91	218.97	0.06	Minor Fault characterized by graphitic blocky core	FLT	
A-10-74	219.24	219.34	0.1	Fault zone consisting of poker chip core and minor, moderately developed gouge.	FLT	

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-74	219.45	219.46	0.01	Cleavage	CLV	
A-10-74	221.48	224.46	2.98	Fault zone consisting of moderately developed gouge grading into poker chip core down hole	FLT	
A-10-74	224.92	224.93	0.01	Cleavage	CLV	30
A-10-74	225.91	225.92	0.01	Cleavage	CLV	40
A-10-74	226.33	227.06	0.73	Fault zone characterized by blocky, rubbly, ground up core with graphitic partings and some well developed gouge.	FLT	
A-10-74	227.5	230	2.5	Fault zone with blocky, poker chip core and a section of 6cm wide chunks of competent core	FLT	
A-10-74	231.44	231.45	0.01	Cleavage	CLV	40
A-10-74	233.09	233.1	0.01	Cleavage	CLV	50
A-10-74	234.45	234.93	0.48	Fault zone consisting of blocky, poker chip core grading into moderately well developed gouge down hole	FLT	
A-10-74	235.62	235.63	0.01	Py replaced siltstone bed	BDG	50
A-10-74	236.78	236.79	0.01	Cleavage	CLV	40
A-10-74	240.66	240.67	0.01	Cleavage	CLV	50
A-10-74	240.75	240.76	0.01	Nodular barite bed	BDG	55
A-10-74	242	242.01	0.01	Cleavage	CLV	50
A-10-74	242.39	242.4	0.01	Dark grey siltstone with disseminated Py	BDG	50
A-10-74	244.2	244.21	0.01	Cleavage	CLV	50
A-10-74	245.18	245.19	0.01	Nodular barite bed we Py replaced cores	BDG	55
A-10-74	246.32	246.33	0.01	Dark grey siltstone with disseminated Py	BDG	55
A-10-74	246.76	246.77	0.01	Cleavage	CLV	40
A-10-74	247.24	248.21	0.97	Fault zone consisting of blocky, rubbly core with graphitic partings and highly developed gouge	FLT	
A-10-74	248.88	248.89	0.01	Nodular Ba with Py replaced cores	BDG	50
A-10-74	249.06	249.07	0.01	Cleavage	CLV	50
A-10-74	249.6	250.06	0.46	Minor fault characterized by approx 4cm wide blocks of core with graphitic partings as well as moderately well developed gouge.	FLT	
A-10-74	251.23	251.24	0.01	Cleavage	CLV	50
A-10-74	251.35	251.36	0.01	Dark grey siltstone with disseminated Py	BDG	60

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-74	252.44	252.45	0.01	Faint very fine laminations of dull brown Py	BDG	65
A-10-74	252.48	254.27	1.79	Blocky broken, from pebble up to 7cm sized, core absent of gouge	FLT	
A-10-74	254.87	254.88	0.01	Cleavage	CLV	45
A-10-74	255.6	255.98	0.38	Fault zone characterized by rubbly core and a 2cm thick section of well developed gouge down hole.	FLT	
A-10-74	256.2	256.21	0.01	Cleavage	CLV	50
A-10-74	256.26	256.27	0.01	Very fine grained, dull brown laminar Py	BDG	50
A-10-74	257.86	257.87	0.01	Very fine grained, dull brown laminar Py	BDG	60
A-10-74	257	257.01	0.01	Cleavage	CLV	50
A-10-74	257.64	257.65	0.01	Very fine grained, dull brown laminar Py	BDG	60
A-10-74	258.47	258.48	0.01	Cleavage	CLV	35
A-10-74	260.3	260.31	0.01	Calcareous silt beds with disseminated brassy Py	BDG	70
A-10-74	260.77	260.89	0.12	Minor fault consisting of blocky rubbly, fractured core and well developed gouge down hole	FLT	
A-10-74	261.8	261.81	0.01	Cleavage	CLV	50
A-10-74	262.09	262.1	0.01	Very fine grained, dull brown laminar Py	BDG	90
A-10-74	263.1	263.11	0.01	Cleavage	CLV	50
A-10-74	265.84	289.11	23.27	Major fault zone characterized by blocky, poker chip core ranging from well developed healed gouge and minor amounts of localized 15cm wide sections of competent core. Common highly polished cleavage and fracture planes displaying graphitic partings, with some pieces displaying slickensides. Also, blocks of core containing vein material.	FLT	
A-10-74	292.6	293.43	0.83	Graphitic blocky with minor well developed gouge fault zone	FLT	
A-10-74	294.7	295.31	0.61	Blocky fault zone with minor fault gouge	FLT	
A-10-74	297	298.13	1.13	Blocky pebbly fault zone absent of gouge	FLT	

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-74	299	299.22	0.22	Poker chipped core in fault zone with minor well developed gouge and graphitic slicken-sides	FLT	
A-10-74	305.06	305.07	0.01	Cleavage	CLV	40
A-10-74	305.3	305.37	0.07	Section of highly developed graphitic gouge	FLT	
A-10-74	308.75	311	2.25	Poker chipped with graphitic partings and moderately developed gouge and a 20cm length of competent core	FLT	
A-10-74	312.25	312.26	0.01	C	CLV	50
A-10-74	313.41	316.54	3.13	Fault zone blocky broken core with well developed gouge, healed sections, graphitic partings and blocky core.	FLT	
A-10-74	316.88	316.89	0.01	Cleavage	CLV	35
A-10-74	317.42	317.47	0.05	Section of well developed gouge	FLT	
A-10-74	319.84	320.02	0.18	Fault zone grading from blocky, semi-healed to poker chipped to well developed gouge down hole	FLT	
A-10-74	321.46	321.47	0.01	Cleavage	CLV	45
A-10-74	323.71	323.93	0.22	Pebble to blocky core absent of gouge	FLT	
A-10-74	325.62	325.63	0.01	Silty laminations with nodular barite	BDG	45
A-10-74	327.57	328.08	0.51	Blocky, poker chipped core with minor gouge	FLT	
A-10-74	329.31	329.32	0.01	Cleavage	CLV	50
A-10-74	329.53	329.79	0.26	Blocky graphitic fault zone with well developed gouge	FLT	
A-10-74	331.97	332.55	0.58	Mostly healed blocky fault zone with graphitic partings and minor well developed gouge	FLT	
A-10-74	332.6	332.61	0.01	Nodular Ba with Py replaced cores	BDG	50
A-10-74	333.53	334.01	0.48	Blocky poker chipped healed fault zone with minor gouge	FLT	
A-10-74	335.62	335.63	0.01	Cleavage	CLV	40
A-10-74	336.7	336.77	0.07	Fissile poker chipped core with minor moderately developed gouge.	FLT	
A-10-74	337.95	338.75	0.8	Blocky healed fault with minor gouge	FLT	
A-10-74	340.9	341.05	0.15	Poker chipped blocky with minor gouge	FLT	
A-10-74	344.35	344.36	0.01	Cleavage	CLV	50

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-74	344.54	347	2.46	Poker chipped fault zone with minor gouge	FLT	
A-10-74	348.84	348.85	0.01	Cleavage	CLV	45
A-10-74	349.75	349.76	0.01	Pyritic siltstone beds	BDG	40
A-10-74	351.78	351.79	0.01	Cleavage	CLV	40
A-10-74	352.22	352.23	0.01	Very fine grained, dull brown laminar Py	BDG	45
A-10-74	354.62	354.63	0.01	Pyritic siltstone lamination	BDG	40
A-10-74	354.82	354.83	0.01	Cleavage	CLV	35
A-10-74	355.52	355.53	0.01	Pyritic siltstone lamination	BDG	35
A-10-74	356.56	356.57	0.01	Cleavage	CLV	45
A-10-74	359.95	359.96	0.01	Cleavage	CLV	40
A-10-74	362	362.01	0.01	Cleavage	CLV	40
A-10-74	364.76	364.77	0.01	Cleavage	CLV	40
A-10-74	366	367.17	1.17	Fault zone characterized by blocky, rubbly core and some well developed gouge.	FLT	
A-10-74	367.28	367.29	0.01	Cleavage	CLV	40
A-10-74	368.82	369.51	0.69	Minor fault zone characterized by blocky core with some well developed gouge	FLT	
A-10-74	369.7	369.71	0.01	Cleavage	CLV	60
A-10-74	370.41	370.43	0.02	Highly developed fault gouge	FLT	
A-10-74	370.83	370.84	0.01	disrupted bed of nodular barite with Py replacement	BDG	95
A-10-74	371.14	371.14	0	Pyritic siltstone bed	BDG	60
A-10-74	371.68	371.69	0.01	Cleavage	CLV	45
A-10-74	372.83	372.84	0.01	disrupted bed of nodular barite with Py replacement	BDG	0
A-10-74	372.98	372.99	0.01	disrupted bed of nodular barite with Py replacement	BDG	155
A-10-74	373.86	373.87	0.01	Cleavage	CLV	50
A-10-74	374.76	374.85	0.09	Minor fault consisting of highly developed fault gouge that is partially healed	FLT	60
A-10-74	374.94	374.95	0.01	Pyritic siltstone lamination	BDG	70
A-10-74	375.36	375.37	0.01	Pyritic siltstone lamination	BDG	50
A-10-74	375.74	375.79	0.05	Minor fault consisting of minor amounts of moderately developed fault gouge	FLT	
A-10-74	376.18	376.19	0.01	Cleavage	CLV	60
A-10-74	377.32	377.46	0.14	partially healed minor fault consisting of 2cm wide blocks of core and well developed fault gouge	FLT	

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-74	377.86	377.87	0.01	Pyritic siltstone lamination	BDG	50
A-10-74	378.17	378.18	0.01	Cleavage	CLV	50
A-10-74	379.92	379.93	0.01	Cleavage	CLV	40
A-10-74	381.42	381.66	0.24	Blocky to pebbly broken core with minor fault gouge	FLT	
A-10-74	383.73	383.74	0.01	VFG >0.5cm py lamination.	BDG	40
A-10-74	384.53	384.6	0.07	Blocky to pebbly broken core with minor fault gouge	FLT	
A-10-74	388.71	388.91	0.2	Fissile, broken poker chipped core with minor moderately developed gouge.	FLT	
A-10-74	392.45	392.46	0.01	Cleavage	CLV	40
A-10-74	395.17	395.18	0.01	Cleavage	CLV	35
A-10-74	400.05	400.06	0.01	Cleavage	CLV	50
A-10-74	402.87	402.88	0.01	Cleavage	CLV	55
A-10-74	404.78	404.79	0.01	VFG >0.5cm py lamination.	BDG	65
A-10-74	404.9	404.91	0.01	VFG >0.5cm py lamination.	BDG	80
A-10-74	407.25	407.26	0.01	Cleavage	CLV	40
A-10-74	408.18	408.19	0.01	VFG >0.5cm py lamination.	BDG	100
A-10-74	412.3	412.31	0.01	VFG mm scale silt/py lamination	BDG	105
A-10-74	412.67	412.68	0.01	Cleavage	CLV	40
A-10-74	412.8	414.2	1.4	Fault zone with well developed gouge at the top of the interval and blocky semi-healed core following	FLT	40
A-10-74	414.6	414.61	0.01	Visible disseminated pyrite/silt bed	BDG	80
A-10-74	415.12	415.13	0.01	Cleavage	CLV	45
A-10-74	418.15	418.16	0.01	Cleavage	CLV	30
A-10-74	421.9	421.91	0.01	Cleavage	CLV	35
A-10-74	422.57	422.58	0.01	laminar Py with nodular Ba	BDG	90
A-10-74	423.42	423.43	0.01	Cleavage	CLV	30
A-10-74	423.46	423.47	0.01	Pyritic siltstone lamination	BDG	90
A-10-74	425.5	425.72	0.22	Minor fault zone characterized by poker chip core with cleavage and fracture planes displaying graphitic partings and minor well-developed gouge	FLT	
A-10-74	426.05	426.06	0.01	Cleavage	CLV	45
A-10-74	430.7	430.92	0.22	Small fault zone consisting of blocky core with graphitic partings along cleavage and fracture planes and containing minor fault gouge	FLT	

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-74	431.62	431.72	0.1	Small fault zone consisting of blocky core with graphitic partings along cleavage and fracture planes and containing minor fault gouge	FLT	
A-10-74	433.43	433.44	0.01	Cleavage	CLV	15
A-10-74	434.31	434.32	0.01	laminar Py with nodular Ba	BDG	90
A-10-74	434.44	434.45	0.01	laminar Py with nodular Ba	BDG	170
A-10-74	436.62	436.63	0.01	Cleavage	CLV	35
A-10-74	437.31	437.32	0.01	Cleavage	CLV	40
A-10-74	438.61	438.62	0.01	laminar Py with nodular Ba	BDG	65
A-10-74	439.3	439.31	0.01	Cleavage	CLV	25
A-10-74	441.06	441.07	0.01	Cleavage	CLV	30
A-10-74	441.41	441.42	0.01	laminar Py with nodular Ba	BDG	75
A-10-74	442.32	442.33	0.01	laminar Py with nodular Ba	BDG	80
A-10-74	443.3	443.31	0.01	laminar Py with nodular Ba	BDG	90
A-10-74	444.86	444.87	0.01	Cleavage	CLV	30
A-10-74	446.14	446.15	0.01	laminar Py with nodular Ba	BDG	65
A-10-74	447.47	447.48	0.01	Cleavage	CLV	30
A-10-74	448.24	448.25	0.01	Siltstone lamination with bright brassy yellow Py	BDG	65
A-10-74	448.58	448.59	0.01	Cleavage	CLV	25
A-10-74	449.51	449.52	0.01	laminar Py with nodular Ba	BDG	60
A-10-74	451.35	451.36	0.01	laminar Py with nodular Ba	BDG	60
A-10-74	451.8	451.81	0.01	Cleavage	CLV	20
A-10-74	452.83	452.84	0.01	laminar Py with nodular Ba	BDG	60
A-10-74	453.89	453.9	0.01	laminar Py with nodular Ba	BDG	70
A-10-74	454.19	454.2	0.01	Cleavage	CLV	35
A-10-74	455.4	455.41	0.01	Cleavage	CLV	35
A-10-74	455.96	455.97	0.01	laminar Py	BDG	55
A-10-74	455.99	456	0.01	laminar Py with nodular Ba	BDG	65
A-10-74	456.78	456.79	0.01	Cleavage	CLV	45
A-10-74	457.81	457.82	0.01	laminar Py with nodular Ba	BDG	60
A-10-74	458.95	458.96	0.01	Cleavage	CLV	35
A-10-74	459.1	459.11	0.01	laminar Py with nodular Ba	BDG	60
A-10-74	460.3	460.31	0.01	Silty laminations with Py replacement and nodular barite	BDG	65
A-10-74	461.89	461.9	0.01	laminar Py with nodular Ba	BDG	60
A-10-74	463.68	463.69	0.01	Cleavage	CLV	30
A-10-74	465.16	465.17	0.01	laminar Py with nodular Ba	BDG	40
A-10-74	465.31	465.32	0.01	Cleavage	CLV	30
A-10-74	467.88	467.89	0.01	Cleavage	CLV	50
A-10-74	470	470.01	0.01	Cleavage	CLV	30
A-10-74	473.92	473.93	0.01	Cleavage	CLV	25
A-10-74	474.73	474.74	0.01	Cleavage	CLV	35

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-74	475.01	475.02	0.01	Nodular Ba	BDG	35
A-10-74	476.52	476.53	0.01	Cleavage	CLV	30
A-10-74	477.83	477.84	0.01	laminar Py with nodular Ba	BDG	35
A-10-74	479.16	479.17	0.01	laminar Py	BDG	35
A-10-74	479.24	479.25	0.01	Cleavage	CLV	35
A-10-74	481.21	481.22	0.01	laminar Py	BDG	35
A-10-74	481.34	481.35	0.01	Cleavage	CLV	35
A-10-74	481.53	482.2	0.67	Minor fault zone characterized by blocky, rubbly core	FLT	
A-10-74	482.72	482.73	0.01	Cleavage	CLV	35
A-10-74	482.73	482.74	0.01	laminar Py with nodular Ba	BDG	35
A-10-74	485.05	485.06	0.01	Cleavage	CLV	40
A-10-74	485.17	485.18	0.01	Laminar Py	BDG	35
A-10-74	486.87	486.88	0.01	Cleavage	CLV	35
A-10-74	486.99	487	0.01	Laminar Py	BDG	30
A-10-74	488.33	488.34	0.01	S2 Cleavage	CLV	30
A-10-74	488.98	488.99	0.01	Laminar Py	BDG	75
A-10-74	489.7	489.71	0.01	laminar Py with nodular Ba	BDG	65
A-10-74	490.17	490.18	0.01	Laminar Py	BDG	60
A-10-74	490.51	490.52	0.01	Cleavage	CLV	35
A-10-74	492.76	492.77	0.01	Laminar Py	BDG	45
A-10-74	493.25	493.26	0.01	Laminar Py	BDG	55
A-10-74	494.41	494.42	0.01	Cleavage	CLV	30
A-10-74	495.24	495.25	0.01	Cleavage	CLV	30
A-10-74	496	496.01	0.01	Cleavage	CLV	20
A-10-74	497.83	497.84	0.01	Laminar Py	BDG	50
A-10-74	499.4	499.41	0.01	Cleavage	CLV	35
A-10-74	499.79	499.8	0.01	Laminar Py	BDG	55
A-10-74	501.21	501.22	0.01	Laminar Py	BDG	60
A-10-74	504.84	504.85	0.01	Cleavage	CLV	20
A-10-74	504.88	504.89	0.01	Pyrite replaced nodular barite	BDG	65
A-10-74	506.23	506.24	0.01	Faint nodular barite	BDG	55
A-10-74	508.3	508.31	0.01	Faint silt laminations	BDG	60
A-10-74	510.36	510.37	0.01	Cleavage	CLV	30
A-10-74	511.65	511.66	0.01	Cleavage	CLV	40
A-10-74	511.72	511.73	0.01	Silt laminations	BDG	60
A-10-74	512.01	512.02	0.01	Folded cleavage	CLV	30
A-10-74	517.06	517.07	0.01	Irregular silt laminations	BDG	90
A-10-74	520.59	520.6	0.01	Cleavage	CLV	30
A-10-74	524.58	524.59	0.01	Cleavage	CLV	30
A-10-74	524.58	524.59	0.01	Faint silt laminations with py replaced nodular barite	BDG	40
A-10-74	524.88	524.89	0.01	Cleavage	CLV	35
A-10-74	528.79	528.8	0.01	Cleavage	CLV	35

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-74	528.82	528.83	0.01	Nodular Ba with silt laminations	BDG	35
A-10-74	530.65	530.66	0.01	Cleavage	CLV	25
A-10-74	530.82	530.83	0.01	Silt laminations with nodular barite	BDG	25
A-10-74	533	533.01	0.01	Cleavage	CLV	25
A-10-74	533.79	533.8	0.01	Silt laminations with py replaced nodular barite	BDG	55
A-10-74	537.55	537.56	0.01	Fine silt laminations	BDG	45
A-10-74	538.8	538.81	0.01	Cleavage	CLV	40
A-10-74	539.05	539.06	0.01	Nodular barite with silt lamination	BDG	60
A-10-74	541.94	541.95	0.01	Nodular barite	BDG	90
A-10-74	542.22	542.23	0.01	Cleavage	CLV	40
A-10-74	545.13	545.14	0.01	Cleavage	CLV	40
A-10-74	547.12	547.13	0.01	Fine silt laminations	BDG	60
A-10-74	548.67	548.68	0.01	Silt lamination with thin pyrite bed and nodular barite	BDG	65
A-10-74	549.25	550.61	1.36	Massive vein that grades into stringer zone that are randomly oriented. Vein incorporates sulphides that originate in host rock	FLT	
A-10-74	551.19	551.2	0.01	VFG pyrite beds	BDG	65
A-10-74	551.34	551.8	0.46	Blocky with up to 10cm sections of competent core with minor well developed gouge	FLT	
A-10-74	553.79	553.83	0.04	All well developed gouge	FLT	
A-10-74	554.25	554.26	0.01	VFG pyrite beds	BDG	60
A-10-74	556.57	556.58	0.01	VFG pyrite beds	BDG	50
A-10-74	557.1	557.11	0.01	Shale interbed	BDG	50
A-10-74	559.23	559.24	0.01	VFG pyrite beds	BDG	50
A-10-74	560.49	560.53	0.04	Small fault with pebble sized broken core with moderate well developed gouge	FLT	
A-10-74	560.79	560.8	0.01	VFG pyrite beds with light grey sphalerite beds	BDG	50
A-10-74	560.81	560.82	0.01	Cleavage	CLV	50
A-10-74	563.39	563.4	0.01	VFG pyrite beds with light grey sphalerite beds	BDG	55
A-10-74	563.71	563.72	0.01	Cleavage	CLV	30
A-10-74	566.29	566.3	0.01	Cleavage	CLV	35
A-10-74	567.26	567.27	0.01	Black shale below VFG pyrite bed with light grey sphalerite beds	BDG	60
A-10-74	570.17	570.18	0.01	VFG pyrite beds	BDG	45
A-10-74	570.48	570.49	0.01	Cleavage	CLV	40
A-10-74	571.3	571.31	0.01	Cleavage	CLV	40

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-74	572.28	572.29	0.01	VFG pyrite beds with light grey sphalerite beds	BDG	65
A-10-74	572.81	572.91	0.1	Blocky broken, from pebble 4cm sections of core with minor amounts of well developed gouge	FLT	
A-10-74	573.61	573.62	0.01	Stylolite		
A-10-74	574.19	574.2	0.01	VFG pyrite beds	BDG	50
A-10-74	574.2	574.21	0.01	Cleavage	CLV	50
A-10-74	758.75	758.76	0.01	VFG pyrite bed	BDG	70
A-10-74	758.69	758.7	0.01	Cleavage	CLV	30
A-10-74	579.79	579.8	0.01	Black shale bed below VFG pyrite bed with light grey sphalerite beds	BDG	70
A-10-74	581.5	581.51	0.01	Cleavage	CLV	50
A-10-74	581.83	581.84	0.01	VFG pyrite lamination	BDG	70
A-10-74	583.86	584.44	0.58	Blocky fault zone absent of gouge	FLT	
A-10-74	585.76	585.77	0.01	Fine bed of VFG pyrite.	BDG	90
A-10-74	585.9	585.95	0.05	Highly developed fault gouge	FLT	70
A-10-74	588.51	588.52	0.01	Cleavage	CLV	25
A-10-74	588.97	589.81	0.84	Blocky with up to 5cm sections of competent core with minor well developed gouge	FLT	
A-10-74	590.67	590.68	0.01	Cleavage	CLV	30
A-10-74	592.27	592.28	0.01	Cleavage	CLV	25
A-10-74	595.33	595.34	0.01	Cleavage	CLV	30
A-10-74	597.24	597.25	0.01	Cleavage	CLV	25
A-10-74	598.69	598.73	0.04	Minor fault	FLT	50
A-10-74	599.43	599.44	0.01	Pyrite laminations	BDG	35
A-10-74	601.66	601.67	0.01	Pyrite laminations	BDG	55
A-10-74	601.79	601.8	0.01	Cleavage	CLV	55
A-10-74	604.58	604.59	0.01	Cleavage	CLV	50
A-10-74	606.54	606.55	0.01	Massive vfg pyrite beds among bioclastic limestone	BDG	65
A-10-74	606.69	606.7	0.01	Cleavage	CLV	50
A-10-74	614.12	614.13	0.01	Cleavage	CLV	45
A-10-74	617.38	617.39	0.01	Fine limey silt beds	BDG	55
A-10-74	619.85	619.86	0.01	Disrupted bed of limey silt	BDG	50
A-10-74	624.62	624.63	0.01	Cleavage	CLV	40
A-10-74	631.64	631.65	0.01	Disrupted bed of limey silt	BDG	50
A-10-74	634.02	634.03	0.01	Disrupted bed of limey silt	BDG	45
A-10-74	636.88	636.89	0.01	Cleavage	CLV	30
A-10-74	638.42	638.46	0.01	Thin poker chipped with well developed gouge	FLT	50
A-10-74	641	641.01	0.01	Silt lamination	BDG	70
A-10-74	641.2	641.21	0.01	Cleavage	CLV	50

									7AX	7AX	7AX	7AX	7AX	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	WGHT	7AR.1
									Mo	Cu	Pb	Zn	Ag	Ba	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Wgt	Pb
HOLE ID	FROM	TO	LENGTH	SAMPLE #	% SULPHIDES	% SHALE	STANDARDS	CERTIFICATE #	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	NONE	KG	%
A-10-74	535	536	1	856384	tr	99		VAN10004866	14.8	41.2	581.3	3703	4.6	18596	70.4	7.6	114	3.22	27	1.8	4.7	157	36.7	7.3	<0.5	56	0.87	0.060	15.8	10.3	0.17	958	0.004	0.67	0.02	0.29	<0.5	0.28	2.6	16.1	3.90	<5	11	2.52685	2.55	
A-10-74	536	537	1	856385	tr	99		VAN10004866	9.8	34.0	127.7	1284	2.1	15631	64.1	7.8	118	2.20	23	1.9	7.3	184	14.1	3.7	<0.5	43	1.19	0.079	27.1	9.3	0.31	2466	0.005	0.69	<0.01	0.31	<0.5	0.10	3.2	4.2	2.47	<5	6	2.65076	2.14	
A-10-74	537	538	1	856386	5	95		VAN10004866	14.7	41.6	45.4	197	2.3	26987	73.8	8.0	138	3.08	38	2.9	6.4	380	1.9	5.4	<0.5	49	2.02	0.082	25.2	8.6	0.46	1525	0.005	1.11	<0.01	0.29	<0.5	0.10	3.2	3.0	3.04	<5	6	2.55003	2.74	
A-10-74	538	539	1	856387	tr	99		VAN10004866	16.4	40.9	26.6	898	1.3	24304	71.3	9.0	211	2.19	25	3.4	4.9	362	9.0	3.9	<0.5	40	3.56	0.079	20.0	7.9	0.36	3177	0.004	1.07	<0.01	0.22	<0.5	0.08	2.9	2.2	2.00	<5	5	2.53934	2.14	
A-10-74	539	540	1	856388	5	95		VAN10004866	12.5	47.0	37.8	82	2.9	31716	76.7	8.8	88	3.51	52	2.3	5.5	207	0.8	5.8	<0.5	43	1.08	0.073	23.8	9.7	0.25	1103	0.005	1.39	<0.01	0.26	<0.5	0.11	3.3	3.5	3.53	<5	8	2.59403	2.42	
A-10-74	540	541	1	856389	5	95		VAN10004866	18.3	41.2	33.1	455	3.0	33222	83.8	8.5	98	3.20	46	2.6	5.1	230	5.8	5.4	<0.5	42	1.23	0.100	22.6	10.3	0.27	1587	0.004	1.37	<0.01	0.22	<0.5	0.12	3.4	3.5	3.14	<5	8	2.51889	2.27	
A-10-74				856390			Dup (coarse)	VAN10004866	19.1	42.1	38.1	488	3.2	31919	87.5	9.1	100	3.28	48	3.0	5.7	259	6.3	6.5	<0.5	49	1.23	0.101	24.8	12.1	0.27	1755	0.005	1.45	<0.01	0.25	<0.5	0.13	2.8	4.0	3.24	<5	9	2.48077		
A-10-74	541	542	1	856391	5	95		VAN10004866	20.1	49.0	35.2	104	2.9	30301	81.3	10.3	156	3.78	49	4.5	5.4	362	1.4	7.0	<0.5	37	1.83	0.076	23.4	7.6	0.43	1068	0.004	1.21	<0.01	0.22	<0.5	0.11	3.8	3.9	3.86	<5	8	2.60691	2.24	
A-10-74	542	543	1	856392	tr	99		VAN10004866	10.5	33.0	12.2	71	1.4	23988	61.5	7.7	62	1.88	20	1.9	6.0	174	0.9	3.4	<0.5	48	0.89	0.080	25.7	11.1	0.17	5153	0.005	1.16	<0.01	0.30	<0.5	0.10	2.7	2.5	1.86	<5	6	2.50784	2.38	
A-10-74	543	544	1	856393	5	95		VAN10004866	21.4	48.9	23.7	689	3.0	34378	90.8	8.8	89	3.42	53	3.9	4.8	491	8.8	7.1	<0.5	39	2.28	0.086	21.9	8.2	0.16	1201	0.004	1.21	<0.01	0.20	<0.5	0.14	3.1	4.4	3.53	<5	8	2.50062	2.25	
A-10-74	544	545	1	856394	5	95		VAN10004866	15.4	46.0	20.9	200	2.4	34226	83.4	7.8	111	3.33	48	2.3	5.5	216	2.4	6.5	<0.5	45	1.23	0.073	23.6	10.6	0.35	1314	0.005	1.33	<0.01	0.24	<0.5	0.11	3.2	4.4	3.34	<5	8	2.51099	2.26	
A-10-74	545	546	1	856395	5	95		VAN10004866	17.3	44.5	22.8	351	2.4	35399	80.0	7.4	86	3.36	47	2.5	4.5	336	4.3	6.9	<0.5	41	1.21	0.071	20.2	8.7	0.22	1084	0.004	0.98	<0.01	0.19	<0.5	0.13	2.6	4.0	3.40	<5	9	2.51477	2.10	
A-10-74	546	547	1	856396	tr	99		VAN10004866	17.4	37.2	13.2	734	1.3	17868	82.4	8.3	70	1.99	22	2.9	5.5	187	8.7	5.1	<0.5	50	0.92	0.073	24.7	9.2	0.19	2933	0.005	0.86	<0.01	0.25	<0.5	0.08	2.3	2.9	2.18	<5	7	2.43013	2.11	
A-10-74	547	548	1	856397	tr	99		VAN10004866	17.7	46.9	21.9	500	1.8	22201	77.1	8.6	127	3.08	39	3.4	5.2	313	6.8	7.1	<0.5	47	1.75	0.067	22.9	8.6	0.36	1126	0.005	0.86	<0.01	0.22	<0.5	0.14	2.6	4.1	3.38	<5	7	2.51193	2.37	
A-10-74	548	549	1	856398	tr	99		VAN10004866	11.1	33.7	19.8	97	1.4	17561	66.8	8.5	131	2.84	32	1.7	7.2	404	1.4	7.0	<0.5	41	2.05	0.078	30.8	6.6	0.52	2455	0.006	0.59	<0.01	0.25	<0.5	0.09	3.0	4.9	3.26	<5	7	2.58333	2.10	
A-10-74	549	550	1	856399	30	70		VAN10004866	25.2	52.5	214.4	5827	2.1	29281	87.0	7.6	283	5.90	39	4.6	4.3	456	33.4	14.4	<0.5	68	1.64	0.112	15.6	12.8	0.46	518	0.004	0.40	<0.01	0.18	<0.5	0.71	3.0	7.3	7.01	<5	14	2.70704	2.62	
A-10-74				856400			STD (PB123)	VAN10004866	7.1	6871.1	>40000.0	68547	70.6	1064	9.4	10.7	931	4.91	98	1.0	2.7	16	222.1	425.9	3.3	15	0.21	0.020	5.4	11.0	0.25	464	0.084	0.58	0.09	0.36	2.5	8.96	3.4	38.7	4.96	<5	9	I.S.	0.06	6.04
A-10-74	550	550.9	0.9	853051	tr	99		VAN10004866	39.6	24.9	160.9	7778	1.2	20617	103.3	9.5	141	3.48	29	6.5	4.9	275	41.6	6.4	<0.5	91	0.92	0.170	16.7	11.9	0.16	857	0.006	0.53	<0.01	0.25	<0.5	0.87	1.9	6.9	4.30	<5	13	2.5974	2.09	
A-10-74	550.9	552	1.1	853052	60	40		VAN10004866	20.3	40.7	856.1	4974	3.2	18866	73.0	5.7	253	10.85	59	1.9	3.1	262	26.5	13.6	<0.5	47	0.96	0.059	7.4	9.9	0.22	229	0.004	0.56	<0.01	0.23	<0.5	0.73	2.2	19.5	12.97	<5	13	2.89363	2.34	
A-10-74	552	552.91	0.91	853053	tr	99		VAN10004866	9.8	12.7	87.2	2169	<0.5	18535	61.5	8.3	263	2.86	11	1.7	6.3	344	11.9	2.4	<0.5	44	0.99	0.073	7.5	7.7	0.38	1770	0.004	0.53	<0.01	0.32	<0.5	0.14	3.0	3.7	3.28	<5	7	2.57963	2.00	
A-10-74	552.91	554	1.09	853054	60	40		VAN10004866	23.1	39.7	1539.5	21630	5.1	14810	75.4	5.9	278	12.46	62	1.8	1.8	157	86.7	13.4	<0.5	49	0.63	0.049	4.6	12.0	0.14	175	0.004	1.01	<0.01	0.19	<0.5	0.83	2.2	47.8	15.52	<5	15	2.98657	1.96	
A-10-74	554	555	1	853055	50	50		VAN10004866	18.9	35.3	1240.5	11535	5.0	19074	54.6	3.0	374	10.53	58	1.5	1.0	273	50.7	15.2	<0.5	32	1.87	0.031	2.4	11.7	0.36	395	0.002	0.27	<0.01	0.08	<0.5	0.43	1.1	37.8	12.56	<5	12	2.89508	2.47	
A-10-74	555	556.21	1.21	853056	15	85		VAN10004866	35.0	49.2	557.0	8703	3.6	20491	114.6	9.4	97	4.49	36	6.7	4.7	232	47.4	8.6	<0.5	100	0.98	0.131	3.5	13.6	0.09	776	0.005	0.55	<0.01	0.29	<0.5	0.25	1.7	17.0	5.47	<5	18	2.5684	2.69	
A-10-74	556.21	557	0.79	853057	25	75		VAN10004866	27.4	67.5	1703.9	28802	6.5	17754	88.8	6.3	254	8.97	54	3.7	2.7	442	139.3	19.4	<0.5	63	1.36	0.073	4.2	10.0	0.15	226	0.004	0.38	<0.01	0.18	0.5	0.67	1.6	54.9	11.82	<5	18	2.83215	2.31	
A-10-74	557	557.66	0.66	853058	50	50		VAN10004866	23.6	76.5	3060.3	30941	8.5	32338	84.4	5.8	397	11.42	65	2.3	2.5	502	162.0	21.2	<0.5	48	1.63	0.049	5.4	8.8	0.36	270	0.004	0.61	<0.01	0.17	0.6	0.68	2.6	80.0	14.79	<5	18	2.94694	1.66	
A-10-74	557.66	558.61	0.95	853059	tr	99		VAN10004866	10.3	14.1	498.5	1640	0.6	18741	69.8	8.4	140	1.89	12	2.0	5.8	262	9.1	2.0	<0.5	46	0.80	0.091	6.4	8.5	0.21	3204	0.006	0.56	<0.01	0.29	<0.5	0.05	2.4	4.8	2.14	<5	5	2.56575	2.32	
A-10-74				853060			BL (BL108)	VAN10004866	0.7	17.1	3.0	41	<0.5	1012	2.2	2.7	541	1.50	<5	1.6	4.6	11	<0.5	<0.5	<0.5	12	0.15	0.020	9.0	13.8	0.21	150	0.082	0.63	0.10	0.35	<0.5	<0.05	4.0	<0.5	<0.05	<5	<2	I.S.	0.06	
A-10-74	558.61	559.14	0.53	853061	tr	99		VAN10004866	9.8	17.9	582.5	1807	0.9	41935	67.2	7.9	289	1.85	13	1.8	4.8	761	9.8	2.0	<0.5	46	2.32	0.090	6.9	9.2	0.23	4199	0.004	0.50	<0.01	0.25	<0.5	<0.05	2.4	5.6	1.57	<5	6	2.55754	1.34	
A-10-74	559.14	560	0.86	853062	80	20		VAN10004866	29.0	47.9	8256.4	65499	12.7	58712	69.2	3.1	473	16.54	74	2.1	0.7	245	320.3	15.3	<0.5	52	0.82	0.033	2.0	12.1	0.19	205	0.001	0.93	<0.01	0.06	<0.5	1.38	3.2	134.3	20.44	<5	20	3.37753	2.48	
A-10-74	560	561	1	853063	70	30		VAN10004866	19.2	33.3	9803.3	76730	9.0	75566	62.1	3.2	522	11.33	48	2.0	0.6	895	369.0	10.1	<0.5	39	2.46	0.037	1.8	7.6	0.25	188	0.001	0.34	<0.01	0.06	<0.5	1.46	2.8	119.4	14.77	<5	13	3.25203	2.89	
A-10-74	561	561.94	0.94	853064	40	60		VAN10004866	19.8	38.7	6831.9	49285	7.4	28167	74.4	5.0	340	9.78	47	2.2	1.4	607	253.3	9.3	<0.5	45	0.88	0.050	2.2	9.6	0.27	247	0.002	0.73	<0.01	0.11	<0.5	0.89	3.3	95.6	12.15	<5	13	3.09435	2.30	
A-10-74	561.94	562.81	0.87	853065	80	20		VAN10004866	26.4	34.3	8252.7	61251	11.9	68295	72.7	3.4	572	14.47	68	2.5	0.7	804	303.7	13.0	<0.5	58	2.36	0.042	1.5	9.9	0.18	241	0.002	0.93	<0.01	0.05	<0.5	1.27	3.8	154.7	17.80	<5	15	3.33695	2.49	
A-10-74	562.81	563.71	0.9	853066	50	50		VAN10004866	16.1	35.2	11224.7	79540	7.3	70178	59.5	4.3	347	7.80	34	2.5	1.0	755	387.4	9.6	<0.5	54	2.17	0.050	1.5	7.8	0.32	333	0.002	0.81	<0.01	0.09	<0.5	1.50	3.5	109.5	10.85	<5	14	3.21365	2.35	
A-10-74	563.71	564.5	0.79	853067	80	20		VAN10004866	25.3	59.5	9544.9	52290	11.1	47554	73.1	3.9	384	13.19	63	2.4	0.7	530	266.8	24.7	<0.5	42	0.85	0.023	1.5	7.8	0.16	175	0.002	0.21	<0.01	0.10	<0.5	0.98	2.4	154.1	16.61	<5	27	3.12047	2.16	
A-10-74	564.5	565.45	0.95	853068	tr	99		VAN10004866	9.1	17.4	537.7	1848	0.6	19439	64.8	8.0	128	1.63	10	1.7	4.1	507	11.0	2.7	<0.5	36	0.71	0.065	3.5	5.7	0.18	2594	0.004	0.42	<0.01	0.25	<0.5	0.07	2.1	7.1	1.66	<5	5	2.72294	2.17	
A-10-74	565.45	566.88	1.43	853069	5	95		VAN10004866	11.5	20.3	897.5	2676	1.0	20296	76.4	7.6	151	1.84	12	2.2	3.9	483	15.9	3.4	<0.5	36	0.79	0.067	3.2	5.4	0.20	1673	0.003	0.36	<0.01	0.20	<0.5	0.10	1.9	9.6	1.92	<5	9	2.69609	3.04	
A-10-74				853070			Dup (pulp)	VAN10004866	10.8	20.2	898.1	2647	1.0	19917	72.5	7.4	140	1.84	12	2.1	4.0	455	15.9	3.1	<0.5	36	0.77	0.070	2.9	5.0	0.21	1797	0.006	0.35	<0.01	0.23	<0.5	0.09	1.9	9.3	1.91	<5	9	2.68931		
A-10-74	566.88	567.91	1.03	853071	50	50		VAN10004866	22.9	55.2	8029.3	63498	10.6	70483	70.7	3.6	473	12.13	54	2.5	0.7	601	325.6	24.5	<0.5	45	1.87	0.028	1.3	7.3	0.30	228	0.002	0.22	<0.01	0.09	<0.5	1.23	3.3	139.4	15.29	<5	24	3.22321	2.88	
A-10-74	567.91	568.59	0.68	853072	50	50		VAN10004866	15.6	37.3	12787.7	63269	9.6	65450	53.7	3.7	414	8.63	34	2.1	0.8	1068	361.0	19.9	<0.5	42	3.04	0.034	2.6	6.4	0.33	369	0.002	0.17	0.01	0.07	<0.5	1.34	3.1	124.0	10.95	<5	22	3.2008	1.91	
A-10-74	568.59	569.38	0.79	853073	50	50		VAN10004866	23.3	51.0	15327.0	90854	12.1	54233	70.8	4.0	428	11.46	39	3.4	0.9	559	484.7	29.8	<0.5	65	0.76	0.028	1.5	8.3	0.23	220	0.002	0.23	<0.01	0.09	<0.5	1.90	3.4	161.2	16.18	<5	34	3.16627	2.13	
A-10-74	569.38	570.17	0.79	853074	5	95		VAN10004866	11.9	21.0	1628.9	2781	1.1	49003	69.5	7.4	86	1.69	11	2.6	3.5	596	16.2	4.7	<0.5	54	0.42	0.053	2.5	7.5	0.25	2442	0.003	0.45	<0.01	0.17	<0.5	0.12	5.0	12.2	1.45	<5	8	2.75413	1.88	
A-10-74	570.17	571.3	1.13	853075	30	70		VAN10004866	24.1	50.5	10399.5	71268	10.7	44524	69.5	4.0	438	10.00	38	3.7	1.1	641	363.7	31.7	<0.5	53	1.19	0.032	2.1	6.9	0.26	190	0.002	0.25	<0.01	0.09	0.5	1.35	3.8	143.6	13.53	<5	30	3.10637	2.93	
A-10-74	571.3	572.12	0.82	853076	50	50		VAN10004866	20.4	46.2	10906.9	60091	8.2	60048	64.0	4.8	336	7.61	26	3.3	1.5	559	339.6	28.3	<0.5	53	1.22	0.039	2.0	6.8	0.27	283	0.004	0.67	<0.01	0.09	0.5	1.29	4.4	115.6	10.28	<5	31	3.07379	2.28	
A-10-74	572.12	573.43	1.31	853077	60	40		VAN10004866	20.9	48.7	11842.8	73609	9.5	65393	62.0	4.4	336	8.65	28	2.7	1.1	595	406.5	30.1	<0.5	63	1.00	0.015	1.7	7.0	0.25	216	0.002	0.22	<0.01	0.08	<0.5	1.43	4.2	117.6	12.15	<5	37	3.11847	3.18	
A-10-74	573.43	574.36	0.93	853078	85	15		VAN10004866	25.6	45.9	17775.3	98288	15.9	80778	60.1	2.6	454	13.28	48	2.9	0.5	396	544.0	32.2	<0.5	60	0.67	0.008	1.1	7.4	0.18	191	0.002	0.16	<0.01	0.06	<0.5	2.49	3.3	193.4	18.08	<5	31	3.42173	2.80	
A-10-74	574.36	575.16	0.8	853079	50	50		VAN10004866	18.0	41.5	10746.3	83215	10.4	67421	58.7	3.9	506	9.01	38	2.2	1.0	413	440.6	20.9	<0.5	40	1.91	0.032	2.0	4.9	0.19	191	0.002	0.22	<0.01	0.11	<0.5	2.16	2.2	125.6	12.71	<5	23	3.16206	1.96	
A-10-74	575.16	575.94	0.78	853080	20	80		VAN10004866	25.9	40.5	4089.1	26361	6.6	25494	85.0	5.8	346	6.91	39	3.4	2.5	338	155.4	19.8	<0.5	49	0.91	0.045	3.0	5.4	0.09	256	0.003	0.30	<0.01	0.16	<0.5	0.74	1.5	74.6	8.64	<5	18	2.86533	2.24	
A-10-74				853081			STD (PB129)	VAN10004866	3.8	2870.7	12917.9	21178	24.9	913	10.6	10.8	810	3.09	11	<0.5	0.8	58	120.9	32.7	0.9	31	0.93	0.085	8.5	22.3	1.40	181	0.097	1.82	0.05	0.24	<0.5	0.14	1.4	<0.5	1.74	<5	<2	I.S.	0.06	
A-10-74	575.94	576.7	0.76	853082	70	30		VAN10004866	19.5	43.3	15081.4	81677	10.0	32259	62.1	3.7	458	9.09	43	2.0	1.4	445	464.0	29.0	<0.5	43	1.41	0.033	2.7	8.3	0.24	195	0.002	0.23	<0.01	0.10	<0.5	1.95	1.7	138.6	13.30	<5	30	3.11198	1.86	
A-10-74	576.7	577.56	0.86	853083	20	80		VAN10004866	20.8	25.1	2037.9	7763	2.4	15682	82.1	5.2	198	3.10	31	3.7	2.8	218	47.7	6.7	<0.5	72	1.10	0.139	5.3	12.9	0.08	696	0.003	0.28	<0.01	0.16	<0.5	0.26	1.1	19.9	3.71	<5	12	2.69906	1.99	
A-10-74	577.56	578.69	1.13	853084	70	30		VAN10004866	27.6	51.6	5241.4	24034	8.4	26164	85.2	4.6	343	12.23	72	2.5	2.1	158	141.4	24.4	<0.5	42	0.75	0.035	3.8	6.7	0.12	170	0.003	0.27	<0.01	0.18	0.6	0.82	1.4	112.6	14.55	<5	25	3.08089	2.71	
A-10-74	578.69	579.63	0.94	853085	60	40		VAN10004866	27.1	38.2	4672.9	26712	8.1	29454	79.7	4.5	466	12.12	62	2.5	2.1	204	165.3	21.6	<0.5	43	1.20	0.042	4.6	6.7	0.21	198	0.003	0.28	<0.01	0.17	<0.5	0.93	1.8	101.1	14.41	<5	23	3.06748	2.61	
A-10-74	579.63	580.78	1.15	853086	40	60		VAN10004866	27.2	33.7	1959.7	8531	4.4	38661	81.9	5.5	1076	8.02	42	3.2	4.2	325	52.0	13.4	<0.5	41	3.64	0.067	9.3	6.2	0.22	309	0.003	0.27	<0.01	0.16	0.5	0.36	1.8	55.3	8.92	<5	13	2.88184	2.74	
A-10-74	580.78	581.5	0.72	853087	70	30		VAN10004866	29.7	34.0	4302.3	23496	8.3	37554	72.3	3.6	982	13.31	67	3.5	1.4	216	136.4	23.5	<0.5	41	3.03	0.041	4.2	5.6	0.18	185	0.002	0.21	<0.01	0.12	0.6	0.95	1.4	111.8	15.51	<5	20	3.15379	1.96	
A-10-74	581.5	582.42	0.92	853088	30	70		VAN10004866	23.3	33.0	5329.2	36555	8.6	41357	71.9	4.4	466	12.43	62	2.5	1.7	207	209.9	18.7	<0.5	36	0.93	0.028	4.1	6.1	0.18	210	0.002	0.36	<0.01	0.13	<0.5	1.53	1.9	111.6	15.12	<5	18	3.1348	2.48	
A-10-74	582.42	583.54	1.12	853089	60	40		VAN10004866	24.3	38.2	6027.7	41511	8.1	30834	73.7	3.9	631	10.96	58	2.5	1.6	328	216.2	22.9	<0.5	43	1.93	0.046	4.8	6.3	0.27	197	0.002	0.28	<0.01	0.14	<0.5	1.64	2.0	107.1	13.49	<5	26	3.08404	2.85	
A-10-74	583.54	584.84	1.3	853090	40	60		VAN10004866	27.4	45.9	1590.1	10490	4.9	17788	86.4	5.8	503	7.18	48	3.0	3.3	217	68.4	23.9	<0.5	43	2.03	0.057	8.4	5.6	0.20	315	0.003	0.30	<0.01	0.19	<0.5	0.49	2.0	49.8	8.39	<5	17	2.8715	2.76	
A-10-74				853091			BL (BL108)	VAN10004866	0.8	13.8	3.6	25	<0.5	975	1.8	2.9	515	1.40	<5	1.4	4.6	10	<0.5	<0.5	<0.5	11	0.13	0.017	7.2	12.7	0.21	162	0.076	0.64	0.10	0.34	<0.5	<0.05	3.4	<0.5	<0.05	<5	<2	I.S.	0.07	
A-10-74	584.84	586.14	1.3	853092	50	50		VAN10004866	34.5	81.4	1372.5	4406	5.8	12055	102.7	5.9	348	9.98	67	2.9	3.2	175	30.6	40.9	<0.5	46	1.07	0.028	7.9	7.1	0.14	194	0.004	0.32	<0.01	0.23	<0.5	0.23	1.9	51.5	11.30	<5	25	2.90487	3.06	
A-10-74	586.15	587.36	1.21	853093	20	80		VAN10004866	21.8	37.4	668.5	2639	1.6	7534	77.7	6.6	247	2.85	30	2.7	3.9	226	18.3	12.3	<0.5	41	1.34	0.034	10.2	5.2	0.22	1096	0.003	0.30	<0.01	0.21	<0.5	0.12	2.0	10.8	3.45	<5	13	2.67142	2.62	
A-10-74	587.36	588.51	1.15	853094	tr	99		VAN10004866	17.3	20.4	319.1	2951	0.5	10590	74.5	7.3	335	1.91	12	3.0	4.1	370	20.6	6.5	<0.5	42	2.77	0.035	11.7	3.9	0.38	2273	0.002	0.32	<0.01	0.23	<0.5	0.11	2.5	5.1	2.19	<5	9	2.67917	2.53	
A-10-74	588.51	589.81	1.3	853095	tr	99		VAN10004866	19.4	22.1	247.5	2416	0.5	11673	80.7	7.8	192	1.74	13	2.8	3.9	177	14.7	6.7	<0.5	38	1.28	0.012	11.7	4.1	0.29	2070	0.003	0.31	<0.01	0.23	<0.5	0.10	2.5	4.8	1.89	<5	9	2.68029	2.78	
A-10-74	589.81	590.96	1.15	853096	tr	99		VAN10004866	21.2	20.9	325.3	3200	0.6	7675	82.1	8.5	167	1.73	11	3.9	5.6	111	19.6	6.4	<0.5	46	0.92	0.055	13.6	4.8	0.32	779	0.003	0.39	<0.01	0.27	<0.5	0.12	2.6	4.4	1.86	<5	9	2.62985	1.62	
A-10-74	590.96	591.86	0.9	853097	tr	99		VAN10004866	20.5	22.3	429.0	3070	0.6	7966	82.9	8.8	199	1.87	9	5.1	6.9	141	20.2	7.1	<0.5	71	1.12	0.075	18.8	8.0	0.40	794	0.005	0.59	<0.01	0.30	<0.5	0.10	3.3	4.8	2.09	<5	11	2.61292	2.10	
A-10-74	591.86	592.96	1.1	853098	tr	99		VAN10004866	19.7	27.2	324.3	2147	0.6	8670	84.0	8.0	262	2.17	13	4.6	7.2	203	13.5	7.7	<0.5	73	1.53	0.075	20.6	7.6	0.51	1491	0.005	0.62	0.01	0.31	<0.5	0.11	3.4	4.7	2.37	<5	10	2.56126	2.22	
A-10-74	592.96	593.78	0.82	853099	tr	99		VAN10004866	19.1	24.4	233.8	2588	0.5	9575	76.2	8.0	188	1.90	12	4.5	6.8	157	15.9	7.4	<0.5	65	1.17	0.079	21.9	6.8	0.43	1711	0.005	0.53	0.01	0.25	<0.5	0.08	3.0	4.4	2.17	<5	7	2.60791	1.72	
A-10-74	593.78	594.7	0.92	853100	tr	99		VAN10004866	20.8	27.2	232.2	2200	0.6	9753	90.7	8.6	188	1.95	14	5.2	7.8	155	13.4	8.1	<0.5	70	1.25	0.085	25.6	8.4	0.44	1510	0.005	0.57	<0.01	0.29	<0.5	0.08	3.0	5.5	2.26	<5	9	2.55265	2.22	
A-10-74				853101			Dup of 853100 Coarse	VAN10004866	20.8	27.9	224.0	2205	0.6	9751	90.0	8.3	191	1.95	15	5.0	7.7	149	14.2	8.5	<0.5	62	1.23	0.082	24.3	7.3	0.43	1355	0.004	0.52	0.01	0.26	<0.5	0.08	2.8	4.9	2.28	<5	11	2.5599		
A-10-74	594.7	595.89	1.19	853102	5	95		VAN10004866	15.6	22.0	396.8	2613	0.5	15504	68.7	6.8	312	1.85	8	4.7	6.7	474	17.5	7.4	<0.5	62	3.70	0.076	22.8	6.4	0.52	1445	0.004	0.50	0.01	0.25	<0.5	0.08	3.2	4.3	2.14	<5	8	2.56414	2.24	
A-10-74	595.89	596.77	0.88	853103	5	95		VAN10004866	17.9	26.7	386.7	2481	0.6	11373	79.4	7.4	260	2.01	12	4.6	6.9	273	16.2	8.3	<0.5	60	2.20	0.084	23.4	6.5	0.57	1446	0.004	0.48	0.01	0.23	<0.5	0.10	2.7	4.2	2.38	<5	9	2.64201	1.76	
A-10-74	596.77	597.24	0.47	853104	10	90		VAN10004866	17.6	24.8	418.9	2429	0.6	13688	80.4	7.5	236	1.91	12	5.5	7.3	245	17.2	7.9	<0.5	73	1.99	0.079	26.0	8.4	0.55	1021	0.006	0.50	<0.01	0.24	<0.5	0.10	3.3	4.1	2.21	<5	9	2.57834	1.56	
A-10-74	597.24	598.28	1.04	853105	10	90		VAN10004866	17.1	25.2	362.9	2665	0.6	19125	79.8	7.1	238	1.87	9	4.1	6.8	208	19.1	7.9	<0.5	74	1.81	0.081	27.0	7.7	0.58	1599	0.005	0.46	<0.01	0.22	<0.5	0.14	3.2	4.1	2.23	<5	8	2.60691	1.73	
A-10-74	598.28	599.43	1.15	853106	50	50		VAN10004866	18.7	96.1	1194.0	5766	5.0	25941	75.7	5.9	484	6.92	48	3.0	4.0	388	47.0	47.8	<0.5	62	2.41	0.054	16.3	12.5	0.42	241	0.004	0.34	<0.01	0.18	<0.5	0.41	3.0	27.3	8.10	<5	20	2.85663	2.37	
A-10-74	599.43	600.18	0.75	853107	30	70		VAN10004866	23.9	83.4	894.3	7319	5.0	17325	87.5	6.6	285	6.31	45	3.6	5.2	132	59.4	41.7	<0.5	84	0.99	0.062	20.8	11.6	0.25	248	0.006	0.50	<0.01	0.28	<0.5	0.51	2.4	26.7	7.55	<5	21	2.79679	2.16	
A-10-74	600.18	601.3	1.12	853108	20	80		VAN10004866	20.8	46.5	401.5	1350	2.3	19083	83.3	6.4	255	3.10	34	3.4	5.6	207	9.0	20.6	<0.5	66	1.49	0.062	21.6	10.3	0.29	571	0.004	0.46	<0.01	0.25	<0.5	0.16	1.9	9.7	3.49	<5	16	2.70155	2.60	
A-10-74	601.3	602.17	0.87	853109	40	60		VAN10004866	24.8	52.8	378.4	794	2.5	19527	91.4	6.9	250	3.29	39	4.1	5.7	237	5.8	22.7	<0.5	78	1.92	0.071	22.6	10.1	0.33	539	0.005	0.51	<0.01	0.26	<0.5	0.15	2.4	9.7	3.71	<5	15	2.69401	1.85	
A-10-74	602.17	603.19	1.02	853110	10	90		VAN10004866	20.9	42.2	322.1	2532	1.5	16755	76.9	6.9	302	2.76	25	3.5	5.8	220	19.7	14.2	<0.5	75	2.23	0.064	24.1	9.8	0.49	1438	0.005	0.47	<0.01	0.24	<0.5	0.21	2.6	7.1	3.26	<5	17	2.66312	2.46	
A-10-74				853111			STD (PB129)	VAN10004866	3.8	2865.7	12840.3	20794	27.5	923	10.1	10.9	805	3.37	11	<0.5	1.1	86	128.5	35.9	0.9	38	1.21	0.077	11.5	23.1	1.46	212	0.126	1.95	0.05	0.22	<0.5	0.15	1.8	<0.5	1.85	5	<2	I.S.	0.05	
A-10-74	603.19	604.21	1.02	853112	40	60		VAN10004866	19.2	27.6	184.6	3621	0.6	25568	84.3	8.0	168	1.89	14	3.9	7.5	100	25.2	8.6	<0.5	85	1.04	0.073	29.4	8.6	0.47	1643	0.005	0.50	0.01	0.28	<0.5	0.33	3.0	4.5	2.22	<5	9	2.65538	2.28	
A-10-74	604.21	605.59	1.38	853113	35	65		VAN10004866	19.2	26.6	161.5	3259	0.6	30284	86.2	8.5	192	1.89	11	4.0	8.3	108	25.4	8.6	<0.5	100	1.08	0.072	31.1	11.7	0.50	1342	0.006	0.48	0.01	0.28	<0.5	0.30	3.5	4.7	2.21	<5	11	2.63075	3.15	
A-10-74	605.59	606.69	1.1	853114	5	95		VAN10004866	10.4	42.8	550.3	3445	2.8	8619	42.8	2.9	2662	13.12	37	2.9	1.3	589	22.6	21.2	<0.5	56	15.04	0.077	8.4	6.7	0.32	99	0.003	0.23	<0.01	0.12	<0.5	0.74	1.6	38.2	15.16	<5	10	2.94985	2.91	
A-10-74	606.69	607.87	1.18	853115	tr	99		VAN10004866	17.6	41.0	838.4	2079	1.6	2465	85.8	4.6	1688	12.86	36	6.0	2.0	352	14.0	11.9	<0.5	56	7.69	0.161	11.0	8.3	0.09	231	0.004	0.34	<0.01	0.17	<0.5	1.23	1.9	32.1	14.99	<5	11	3.09119	2.71	
A-10-74	607.87	608.78	0.91	853116	tr	99		VAN10004866	12.0	9.9	257.1	1255	<0.5	3008	29.4	3.2	1510	3.44	5	4.2	3.5	378	6.9	1.9	<0.5	<10	11.13	0.031	11.1	6.6	4.66	525	0.002	0.22	0.01	0.12	<0.5	0.32	2.5	3.4	3.16	<5	3	2.77232	2.14	
A-10-74	608.78	609.92	1.14	853117	tr	99		VAN10004866	10.0	11.5	88.2	175	<0.5	2129	23.5	3.3	1594	3.75	<5	3.7	3.8	324	0.9	1.6	<0.5	<10	11.44	0.032	13.5	5.6	4.78	341	0.002	0.24	0.01	0.16	<0.5	0.09	2.8	1.5	2.88	<5	<2	2.79441	2.78	
A-10-74	609.92	610.7	0.78	853118	tr	99		VAN10004866	12.2	17.5	163.1	1829	<0.5	2988	32.7	4.4	831	2.25	<5	4.0	6.5	217	13.3	2.4	<0.5	19	7.92	0.047	17.4	6.9	3.48	388	0.004	0.35	0.01	0.21	<0.5	0.13	3.2	1.4	1.63	<5	<2	2.73735	1.87	
A-10-74	610.7	611.74	1.04	853119	5	95		VAN10004866	12.6	24.4	218.8	1774	<0.5	3501	37.9	5.4	441	2.65	7	3.8	7.2	133	11.6	3.5	<0.5	39	4.59	0.093	20.4	9.0	1.86	394	0.005	0.39	<0.01	0.22	<0.5	0.11	2.7	8.4	2.61	<5	3	2.7428	2.45	
A-10-74	611.74	612.65	0.91	853120	5	95		VAN10004866	6.3	24.6	405.4	741	0.7	3000	36.9	4.8	496	3.97	7	1.9	5.8	150	4.2	4.4	<0.5	24	5.18	0.065	16.9	8.0	1.87	438	0.005	0.39	<0.01	0.25	<0.5	0.06	3.0	12.5	4.12	<5	3	2.70268	2.17	
A-10-74	639.42	640.25	0.83	853121	tr	99		VAN10004866	1.2	19.9	45.6	806	0.7	4209	24.0	6.3	431	1.62	<5	1.4	7.3	188	7.0	1.0	<0.5	11	6.80	0.046	22.0	7.2	1.74	303	0.004	0.35	<0.01	0.26	<0.5	0.12	2.9	0.9	1.11	<5	2	2.64877	1.90	

									7AX	7AX	7AX	7AX	7AX	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	WGHT	7AR.1
									Mo	Cu	Pb	Zn	Ag	Ba	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Wgt	Pb
HOLE ID	FROM	TO	LENGTH	SAMPLE #	% SULPHIDES	% SHALE	STANDARDS	CERTIFICATE #	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	NONE	KG	%
A-10-74	640.25	641.2	0.95	853122	5	95		VAN10004866	3.0	37.1	110.8	5811	1.5	4895	39.6	8.4	242	2.75	<5	1.8	6.4	95	56.8	2.3	<0.5	22	3.35	0.083	20.4	10.4	1.18	415	0.005	0.46	<0.01	0.29	<0.5	0.43	2.7	5.1	3.06	<5	6	2.69703	2.26	
A-10-74	641.2	642.1	0.9	853123	5	95		VAN10004866	4.1	30.8	240.1	6818	1.4	6231	35.7	7.4	273	2.34	<5	2.0	6.3	167	46.3	1.5	<0.5	16	3.69	0.110	22.1	9.4	1.12	463	0.005	0.45	<0.01	0.26	<0.5	0.51	2.5	2.1	2.57	<5	4	2.7248	2.03	

HOLE ID	DISTANCE	AZIMUTH (mag)	AZIMUTH (true)	DIP	MAGN	SURVEY TYPE	ACCEPTED	COMMENTS
A-10-74	0		60	-76				Collar
A-10-74	17	37.5	58.28	75.5	5780	Reflex EZ-Shot	Yes	
A-10-74	20	37.3	58.08	75.5	5774	Reflex EZ-Shot	Yes	
A-10-74	47	33.6	54.38	75.3	5757	Reflex EZ-Shot	Yes	
A-10-74	50	34.3	55.08	75.7	5760	Reflex EZ-Shot	Yes	
A-10-74	77	33.8	54.58	75.5	5765	Reflex EZ-Shot	Yes	
A-10-74	100	30.9	51.68	75	5764	Reflex EZ-Shot	Yes	
A-10-74	107	30.7	51.48	74.9	5755	Reflex EZ-Shot	Yes	
A-10-74	130	27.8	48.58	73.3	5761	Reflex EZ-Shot	Yes	
A-10-74	137	33.4	54.18	74.5	5768	Reflex EZ-Shot	Yes	
A-10-74	167	24.6	45.38	70	5760	Reflex EZ-Shot	Yes	
A-10-74	185	24	44.78	68.8	5775	Reflex EZ-Shot	Yes	
A-10-74	185	24.2	44.98	68.7	5758	Reflex EZ-Shot	Yes	
A-10-74	188	24.1	44.88	68.5	5762	Reflex EZ-Shot	Yes	
A-10-74	218	22.1	42.88	66.7	5762	Reflex EZ-Shot	Yes	
A-10-74	248	21.9	42.68	65.4	5757	Reflex EZ-Shot	Yes	
A-10-74	278	20.2	40.98	65.1	5671	Reflex EZ-Shot	Yes	
A-10-74	308	19.9	40.68	64.8	5762	Reflex EZ-Shot	Yes	
A-10-74	338	16.5	37.28	65.7	5759	Reflex EZ-Shot	Yes	
A-10-74	368	16	36.78	64.1	5761	Reflex EZ-Shot	Yes	
A-10-74	398	15.5	36.28	61.9	5758	Reflex EZ-Shot	Yes	
A-10-74	428	14	34.78	59.8	5759	Reflex EZ-Shot	Yes	
A-10-74	458	13.3	34.08	58.4	5758	Reflex EZ-Shot	Yes	
A-10-74	488	13	33.78	57.3	5758	Reflex EZ-Shot	Yes	
A-10-74	532.49	13	33.78	56.4	5815	Reflex EZ-Shot	Yes	
A-10-74	562.97	13.6	34.38	55.8	5829	Reflex EZ-Shot	Yes	
A-10-74	593.45	14.9	35.68	54.9	5816	Reflex EZ-Shot	Yes	
A-10-74	623.93	15.9	35.68	53.7	5815	Reflex EZ-Shot	Yes	

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-74	6	8	2	0.47	23.50	0	0.00												
A-10-74	8	11	3	2.75	91.67	0.56	18.67												
A-10-74	11	14	3	2.53	84.33	0.54	18.00												
A-10-74	14	17	3	2.54	84.67	0.51	17.00												
A-10-74	17	20	3	3.01	100.33	1.52	50.67												
A-10-74	20	23	3	2.96	98.67	1.78	59.33												
A-10-74	23	26	3	2.62	87.33	1.23	41.00												
A-10-74	26	29	3	2.97	99.00	0.81	27.00												
A-10-74	29	32	3	2.88	96.00	2.1	70.00												
A-10-74	32	35	3	2.89	96.33	1.82	60.67												
A-10-74	35	38	3	2.94	98.00	2.86	95.33												
A-10-74	38	41	3	2.51	83.67	0.2	6.67												
A-10-74	41	44	3	2.35	78.33	1.01	33.67												
A-10-74	44	47	3	1.88	62.67	0.58	19.33												
A-10-74	47	50	3	2.2	73.33	0.96	32.00												
A-10-74	50	53	3	2.81	93.67	1.63	54.33												
A-10-74	53	56	3	2.9	96.67	0.7	23.33												
A-10-74	56	59	3	2.8	93.33	0.45	15.00												
A-10-74	59	62	3	2.7	90.00	0.47	15.67												
A-10-74	62	65	3	2.8	93.33	1.37	45.67												
A-10-74	65	68	3	2.55	85.00	0.14	4.67												
A-10-74	68	71	3	2.75	91.67	0.93	31.00												
A-10-74	71	74	3	2.36	78.67	0.65	21.67												
A-10-74	74	77	3	2.58	86.00	1.12	37.33												
A-10-74	77	80	3	0	0.00	0	0.00												
A-10-74	80	83	3	2.23	74.33	0	0.00												
A-10-74	83	86	3	2.38	79.33	0.38	12.67												
A-10-74	86	89	3	2.55	85.00	0.33	11.00												
A-10-74	89	92	3	2.52	84.00	0.47	15.67												
A-10-74	92	95	3	2.13	71.00	0	0.00												
A-10-74	95	98	3	2.01	67.00	1.23	41.00												
A-10-74	98	101	3	2.6	86.67	1.98	66.00												
A-10-74	101	104	3	2.87	95.67	1.39	46.33												
A-10-74	104	107	3	2.94	98.00	1.74	58.00												
A-10-74	107	110	3	2.69	89.67	1.67	55.67												
A-10-74	110	113	3	2.82	94.00	1.73	57.67												
A-10-74	113	116	3	2.97	99.00	2.47	82.33												
A-10-74	116	119	3	2.98	99.33	2.67	89.00												
A-10-74	119	122	3	2.78	92.67	1.03	34.33												
A-10-74	122	125	3	2.82	94.00	0.57	19.00												
A-10-74	125	128	3	2.64	88.00	0.46	15.33												
A-10-74	128	131	3	2.76	92.00	0	0.00												
A-10-74	131	134	3	2.74	91.33	0.33	11.00												
A-10-74	134	137	3	2.9	96.67	0.37	12.33												
A-10-74	137	140	3	2.73	91.00	0.4	13.33												
A-10-74	140	143	3	3	100.00	0.1	3.33												
A-10-74	143	146	3	2.47	82.33	0	0.00												
A-10-74	146	149	3	2.61	87.00	0	0.00												
A-10-74	149	152	3	2.75	91.67	0.12	4.00												
A-10-74	152	155	3	2.45	81.67	0.15	5.00					1							
A-10-74	155	158	3	2.99	99.67	0.86	28.67												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-74	158	161	3	2.88	96.00	0.76	25.33		1	1	1								
A-10-74	161	164	3	2.94	98.00	0.51	17.00				2								
A-10-74	164	167	3	2.69	89.67	0.42	14.00					1							
A-10-74	167	170	3	2.85	95.00	1.09	36.33						1						
A-10-74	170	173	3	2.86	95.33	0.5	16.67												
A-10-74	173	176	3	2.79	93.00	0.76	25.33												
A-10-74	176	179	3	2.8	93.33	0.34	11.33												
A-10-74	179	182	3	2.85	95.00	1.26	42.00												
A-10-74	182	185	3	2.81	93.67	1.39	46.33												
A-10-74	185	188	3	2.79	93.00	1.25	41.67												
A-10-74	188	191	3	2.84	94.67	1.04	34.67												
A-10-74	191	194	3	2.82	94.00	0.67	22.33												
A-10-74	194	197	3	2.83	94.33	1.16	38.67												
A-10-74	197	200	3	2.46	82.00	0.47	15.67												
A-10-74	200	203	3	2.49	83.00	0.76	25.33												
A-10-74	203	206	3	2.58	86.00	0.51	17.00												
A-10-74	206	209	3	2.45	81.67	0.34	11.33												
A-10-74	209	212	3	3.02	100.67	1.44	48.00												
A-10-74	212	215	3	2.99	99.67	0.5	16.67												
A-10-74	215	218	3	2.22	74.00	0.28	9.33												
A-10-74	218	221	3	3.08	102.67	1.02	34.00												
A-10-74	221	224	3	0.95	31.67	0	0.00												
A-10-74	224	227	3	2.79	93.00	0.67	22.33												
A-10-74	227	230	3	2.15	71.67	0	0.00												
A-10-74	230	233	3	3.11	103.67	0.73	24.33												
A-10-74	233	236	3	3.03	101.00	1.45	48.33												
A-10-74	236	239	3	2.99	99.67	1.35	45.00												
A-10-74	239	242	3	2.92	97.33	1.63	54.33												
A-10-74	242	245	3	2.88	96.00	2.15	71.67												
A-10-74	245	248	3	2.57	85.67	1.75	58.33												
A-10-74	248	251	3	2.52	84.00	0.35	11.67												
A-10-74	251	254	3	1.96	65.33	0	0.00												
A-10-74	254	257	3	2.93	97.67	0.85	28.33												
A-10-74	257	260	3	2.76	92.00	1.77	59.00	1				1							
A-10-74	260	263	3	3.1	103.33	1.4	46.67												
A-10-74	263	266	3	2.94	98.00	1.41	47.00												
A-10-74	266	269	3	1.29	43.00	0	0.00												
A-10-74	269	272	3	1.26	42.00	0	0.00												
A-10-74	272	275	3	1.35	45.00	0	0.00												
A-10-74	275	278	3	1.8	60.00	0	0.00												
A-10-74	278	281	3	1.66	55.33	0	0.00												
A-10-74	281	284	3	0.44	14.67	0	0.00												
A-10-74	284	287	3	2.24	74.67	0.11	3.67												
A-10-74	287	290	3	2.05	68.33	0	0.00												
A-10-74	290	293	3	2.53	84.33	0.51	17.00												
A-10-74	293	296	3	2.32	77.33	0.15	5.00												
A-10-74	296	299	3	1.7	56.67	0	0.00												
A-10-74	299	302	3	2.36	78.67	0	0.00												
A-10-74	302	305	3	2.15	71.67	0	0.00												
A-10-74	305	308	3	2.44	81.33	0	0.00												
A-10-74	308	311	3	1.34	44.67	0	0.00												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-74	311	314	3	2.36	78.67	0.32	10.67	1					1						
A-10-74	314	317	3	1.87	62.33	0	0.00												
A-10-74	317	320	3	1.85	61.67	0	0.00												
A-10-74	320	323	3	2.52	84.00	0.14	4.67												
A-10-74	323	326	3	1.91	63.67	0.12	4.00												
A-10-74	326	329	3	2.2	73.33	0.15	5.00												
A-10-74	329	332	3	2.52	84.00	0.11	3.67	1			1								
A-10-74	332	335	3	2.35	78.33	0	0.00												
A-10-74	335	338	3	2.32	77.33	0.23	7.67	1			1								
A-10-74	338	341	3	2.28	76.00	0	0.00												
A-10-74	341	344	3	1.79	59.67	0.15	5.00												
A-10-74	344	347	3	2.09	69.67	0	0.00												
A-10-74	347	350	3	2.84	94.67	0.24	8.00	1	1										
A-10-74	350	353	3	2.98	99.33	0.26	8.67	6		4	2								
A-10-74	353	356	3	2.86	95.33	0.67	22.33	1	1										
A-10-74	356	359	3	3	100.00	1.11	37.00												
A-10-74	359	362	3	2.98	99.33	1.09	36.33												
A-10-74	362	365	3	2.99	99.67	1.25	41.67												
A-10-74	365	368	3	2.97	99.00	0.87	29.00												
A-10-74	368	371	3	2.88	96.00	0.89	29.67												
A-10-74	371	374	3	3.02	100.67	2.49	83.00												
A-10-74	374	377	3	2.82	94.00	0.56	18.67												
A-10-74	377	380	3	2.9	96.67	1.8	60.00	8	3	2	3								
A-10-74	380	383	3	2.85	95.00	1.25	41.67	1	1										
A-10-74	383	386	3	2.61	87.00	0.63	21.00												
A-10-74	386	389	3	2.1	70.00	0	0.00												
A-10-74	389	392	3	2.8	93.33	0.3	10.00												
A-10-74	392	395	3	2.25	75.00	1.58	52.67												
A-10-74	395	398	3	3	100.00	1.75	58.33	3			3								
A-10-74	398	401	3	2.72	90.67	2.3	76.67												
A-10-74	401	404	3	3.15	105.00	2.25	75.00	5	5										
A-10-74	404	407	3	2.56	85.33	1.57	52.33												
A-10-74	407	410	3	2.81	93.67	1.68	56.00												
A-10-74	410	413	3	2.54	84.67	1.54	51.33	1					1						
A-10-74	413	416	3	2.68	89.33	0.84	28.00	1					1						
A-10-74	416	419	3	2.85	95.00	1.1	36.67												
A-10-74	419	422	3	2.68	89.33	1.45	48.33												
A-10-74	422	425	3	2.87	95.67	1.17	39.00												
A-10-74	425	428	3	2.54	84.67	1.06	35.33												
A-10-74	428	431	3	2.1	70.00	0.21	7.00												
A-10-74	431	434	3	2.83	94.33	1.57	52.33	2					2						
A-10-74	434	437	3	2.81	93.67	1.73	57.67												
A-10-74	437	440	3	3	100.00	1.82	60.67	3			1	1	1						
A-10-74	440	443	3	2.8	93.33	2.41	80.33												
A-10-74	443	446	3	2.9	96.67	1.86	62.00												
A-10-74	446	449	3	2.97	99.00	2.35	78.33												
A-10-74	449	452	3	2.94	98.00	2.14	71.33	1			1								
A-10-74	452	455	3	3.07	102.33	2.52	84.00												
A-10-74	455	458	3	2.98	99.33	2.42	80.67												
A-10-74	458	461	3	2.95	98.33	0.47	15.67												
A-10-74	461	464	3	3.08	102.67	1.64	54.67												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-74	464	467	3	2.85	95.00	2.51	83.67	3	2	1									
A-10-74	467	470	3	2.83	94.33	2.05	68.33												
A-10-74	470	473	3	2.98	99.33	2.62	87.33												
A-10-74	473	476	3	2.92	97.33	2.23	74.33												
A-10-74	476	479	3	2.94	98.00	2.38	79.33	2	1	1									
A-10-74	479	482	3	3.03	101.00	1.02	34.00												
A-10-74	482	485	3	2.92	97.33	2.2	73.33	1			1								
A-10-74	485	488	3	2.99	99.67	2.46	82.00												
A-10-74	488	491	3	2.82	94.00	1.54	51.33												
A-10-74	491	494	3	3.11	103.67	0.77	25.67												
A-10-74	494	497	3	3.08	102.67	2.75	91.67	1		1									
A-10-74	497	500	3	2.92	97.33	2.32	77.33												
A-10-74	500	502	2	1.9	95.00	1.18	59.00												
A-10-74	502	505.06	3.06	2.04	66.67	1.3	42.49												
A-10-74	505.06	508.11	3.05	3.02	99.08	1.89	62.01												
A-10-74	508.11	511.16	3.05	3.05	100.06	2.96	97.11												
A-10-74	511.16	514.20	3.05	2.96	97.11	1.76	57.74												
A-10-74	514.20	517.25	3.05	2.98	97.77	1.37	44.95												
A-10-74	517.25	520.30	3.05	2.98	97.77	2.70	88.58												
A-10-74	520.30	523.35	3.05	2.96	97.11	1.88	61.68												
A-10-74	523.35	526.40	3.05	3.01	98.75	2.64	86.61	3	3										
A-10-74	526.40	529.44	3.05	2.89	94.82	2.33	76.44	2		1	1								
A-10-74	529.44	532.49	3.05	2.89	94.82	2.43	79.72	1			1								
A-10-74	532.49	535.54	3.05	2.8	91.86	1.88	61.68	1				1							
A-10-74	535.54	538.59	3.05	3.08	101.05	2.35	77.10	2			1	1							
A-10-74	538.59	541.64	3.05	3.03	99.41	2.39	78.41												
A-10-74	541.64	544.68	3.05	3	98.42	2.51	82.35	1		1									
A-10-74	544.68	547.73	3.05	2.97	97.44	1.69	55.45	1		1									
A-10-74	547.73	550.78	3.05	2.99	98.10	1.78	58.40	1		1									
A-10-74	550.78	553.83	3.05	2.7	88.58	0.85	27.89	2	1			1							
A-10-74	553.83	556.88	3.05	3	98.42	2.19	71.85	2	2					2	2				
A-10-74	556.88	559.92	3.05	3.02	99.08	2.10	68.90	1				1		10	10				
A-10-74	559.92	562.97	3.05	3.06	100.39	2.30	75.46	1				1		17	12	2	2	1	
A-10-74	562.97	566.02	3.05	2.97	97.44	2.62	85.96							7	3	2	1	1	
A-10-74	566.02	569.07	3.05	3.01	98.75	2.49	81.69							13	11	1	1		
A-10-74	569.07	572.12	3.05	3.05	100.06	2.77	90.88							9	7	1	1		
A-10-74	572.12	575.16	3.05	3	98.42	1.29	42.32	1			1			5	3	2			
A-10-74	575.16	578.21	3.05	3.09	101.38	1.37	44.95	28	26	2				4	2		2		
A-10-74	578.21	581.26	3.05	3.05	100.09	2.85	93.59	5			4	1		3	3				
A-10-74	581.26	584.31	3.05	2.91	95.41	2.62	85.90	3		1	2			8	4	1	3		
A-10-74	584.31	587.36	3.05	2.87	94.19	1.89	62.03	4		1	3								
A-10-74	587.36	590.41	3.05	2.85	93.51	1.31	42.98	1				1							
A-10-74	590.41	593.45	3.05	2.93	96.13	2.27	74.48												
A-10-74	593.45	596.50	3.05	2.9	95.15	1.60	52.50												
A-10-74	596.50	599.55	3.05	2.85	93.51	1.54	50.53												
A-10-74	599.55	602.60	3.05	2.94	96.47	2.08	68.25												
A-10-74	602.60	605.65	3.05	3.08	101.06	2.12	69.56												
A-10-74	605.65	608.69	3.05	2.97	97.45	2.68	87.94												
A-10-74	608.69	611.74	3.05	3.05	100.08	2.97	97.46												
A-10-74	611.74	614.79	3.05	2.95	96.80	2.95	96.80												
A-10-74	614.79	617.84	3.05	3.02	99.10	2.98	97.79												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-74	617.84	620.89	3.05	2.99	98.12	2.74	89.91												
A-10-74	620.89	623.93	3.05	2.97	97.46	2.97	97.46												
A-10-74	623.94	626.98	3.05	2.89	94.84	2.71	88.93												
A-10-74	626.98	630.03	3.05	2.97	97.47	2.33	76.46												
A-10-74	630.03	633.08	3.05	3.05	100.10	2.34	76.79												
A-10-74	633.08	636.13	3.05	3.01	98.78	2.08	68.26												
A-10-74	636.13	639.17	3.05	2.88	94.52	1.98	64.98												
A-10-74	639.18	642.22	3.05	3.02	99.12	1.98	64.98												
A-10-74	642.22	645.27	3.05	2.9	95.18	1.70	55.80												

COAST MOUNTAIN GEOLOGICAL LTD.
DRILL HOLE COVER SHEET

PROPERTY: AKIE
DRILL HOLE #: A-10-75
LOGGED BY: Simon Parada
COVER SHEET DATE: Sept 24, 2010

DDH COLLAR LOCATION

PROPOSED
LOCAL GRID
NORTH:
EAST:
ELEVATION:

DATUM: NAD 83 ZONE 10
UTM CO-ORDS
NORTHING: 6360545
EASTING: 388172
ELEVATION: 1700

SURVEYED
LOCAL GRID
NORTH:
EAST:
ELEVATION:

UTM CO-ORDS
NORTHING:
EASTING:
ELEVATION:

DDH COLLAR ORIENTATION

PROPOSED
AZIMUTH: 60
DIP: 82

SURVEYED
AZIMUTH:
DIP:

DDH LENGTH

PROPOSED
LENGTH: 750

ACTUAL
LENGTH: 778.15

DRILLING INFORMATION

CONTRACTOR: Rodern Drilling

CORE DIAMETER: HQ, NQ
DATE STARTED: August 26 2010
DATE COMPLETED: Sept 20 2010
CAPPED: Yes
CASING: Yes
UNITS: METRIC: Yes IMPERIAL YES

HOLE OBJECTIVE: Test down dip extension of A-10-74 and A-08-46 as well as the North West strike extent of the deposit.

The Magnetic declination used was 20.78 degrees to the east.

HOLE SUMMARY: The drill hole was collared into the soft shales of the Akie Formation, persisting to a depth of 73.07m. before transitioning into the Gunsteel shales. The Gunsteel shales comprise the majority of the drill hole continuing to the depth of 724.89m and into a thick succession of the underlying Paul River Formation debris flows. The hole was terminated at a depth of 778.15m. The Cardiac Creek zone was intercepted at a depth of 700.12 over a width of 9.86m. The zone is bracketed by well developed proximal well bedded pyrite zones with minor beds of Sphalerite. It appears that the Zone has been truncated by a fault zone offsetting the higher grade mineralisation.

Note: There is a blocking error +3m at 260-263. The hole is 3m shorter than expected.

Note: Metric rods from 0 to 400m, Imperial Rods from 400+m

DOWN HOLE SURVEY

SURVEY TYPE: REFLEX EZ-SHOT

DISTANCE	AZIMUTH	DIP	ACPTED	COMMENTS
0	60	82		Collar
17	67.08	-81.8	No	High Mag
47	58.08	-81.6	Yes	
77	54.28	-81.1	Yes	
122	50.68	-81.3	Yes	
152	47.08	-81	Yes	
182	41.68	-79.6	Yes	
212	42.48	-79.4	Yes	
242	40.88	-79.5	Yes	
272	40.58	-78.9	Yes	
302	40.28	-78.5	Yes	
332	38.38	-77.6	Yes	
362	35.78	-76.6	Yes	
392	36.28	-76.6	Yes	
422	34.68	-76.1	Yes	
452	31.78	-75.1	Yes	
482	31.78	-74.5	Yes	
516	32.18	-73.8	Yes	
546.5	32.98	-73.4	Yes	
576.9	30.68	-72.2	Yes	
607.5	31.18	-71.3	Yes	
638	31.18	-70.5	Yes	
668.4	30.98	-69.7	Yes	
698.9	31.28	-69.1	Yes	
729.4	31.58	-68.8	Yes	
759.9	33.28	-68.2	Yes	
778.15	33.48	-67.8	Yes	

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-75	0	6.75	6.75	Casing/Overburden	Casing/Overburden	CS		CS
A-10-75	6.75	37.64	30.89	Light to Medium gray Soft weakly laminated Mudstone	Light to medium gray soft to waxy mudstone which is finely laminated. Lamination occasionally appear disrupted at 21.12m is a 1cm dextral movement. Associated with laminations are vfg disseminated brassy py, lamination can be almost entirely replaced by py. Py can also appear as <5cm typically <2cm round to irregularly shaped (Popcorn?) clusters with +/- a none calcareous exterior white rim, total py % with clusters <70%. Located at 30.43m <20cm Sub-rounded inter-laminated mudstone fragment similar to host rock. Upper 20m of unit contains moderate orange to yellow limonitic staining along partings. Nearing the lower contact bedding/laminations is 0-10 to CA containing highly disrupted sections.	3SH		AKF
A-10-75	37.64	73.07	35.43	Medium to Dark gray soft weakly laminated mudstone with pervasive dilation veins	Competent, medium to dark gray soft to waxy laminated mudstone. Laminations are highly disrupted, difficult to determine main orientation, displaying sections of laminations that are +/- rotated, shifted, moved and or possibly fold affected also contains rare <10cm sub-angular inter-laminated fragments within disrupted layers. As with the previous unit are vfg disseminated brassy py associated with the fine laminations. With pervasive (2%) <5cm typically <2cm round to irregularly shaped (Popcorn?) clusters with +/- a none calcareous exterior white rim, total py % with clusters <70%. Within the unit are pervasive dull white mm qtz-cal dilation veins and rare <5cm veins. Veins contain trace vfg brassy py. Veins are generally conformable to cleavage.	3TS		AKF
A-10-75	73.07	122	48.93	Black to Dark gray carbonaceous mudstone.	Poker chip to highly fractured black, vfg, carbonaceous mudstone with pervasive qtz-cal veins-veinlets (10-20%). Unit is Highly fault affected with small <3m competent sections. Competent sections contain <2cm typically mm gray-black sub-angular to sub-rounded lithic fragments +/- entire vfg brassy py replacement. Veins are generally oriented parallel to cleavage, with <1% brassy fg disseminated py and rare mm specks of reddish brown sphalerite. Cleavage displays a well defined graphitic sheen, dominant cleavage angle is at 20-25 to CA, no visible bedding.	4SH		GSF
A-10-75	122	140	18	Black carbonaceous mudstone hosting a medium grained sandstone	Moderately competent black, carbonaceous mudstone hosting medium grained sandstone beds. Sandstone beds have a wispy boudined to disrupted appearance with large <10cm typically <5cm sub-angular to sub-rounded rotated sandstone fragments. Sandstone is medium grained composed of 1/4-1/2mm angular to sub-angular gray, white variably calcareous +/- py replaced, and black lithic fragments. From 125.93-133.82 the host rock is the dominant feature, but they are still rare remnants of the disrupted sandstone beds +/- py replacement. Last 4m of the unit is a gradational contact into black carbonaceous near featureless mudstone. Cleavage dominantly at 20-30 to CA.	4SST		GSF
A-10-75	140	181.29	41.29	Black carbonaceous mudstone with pervasive dilation veinlets.	Weak-Moderately competent displaying a polished sheen black, carbonaceous, moderately to highly siliceous, mudstone with pervasive variably calcareous mm qtz-cal veinlets. Generally parallel to cleavage. From 140-149m are scattered rare <2cm beds/wisps of disrupted medium grained sandstone beds, as mentioned in prior unit. Within the main unit are 1-3cm qtz-cal rimed globular to sub-angular lithic fragments entirely replaced by vfg brassy py. From 159.20-161.82m are three <50cm dark gray calcareous weakly laminated silty-mudstone sections. Late micro fracture dilation veinlets sub-mm to mm qtz-cal (80/20) veinlets are white to translucent white at 30-40 to CA with trace disseminated brassy fg py, total % veining 10%. Moderate to strong cleavage oriented at 30-40 to CA with a well defined graphitic sheen.	4SH		GSF
A-10-75	181.29	226.84	45.55	Black carbonaceous mudstone with a secondary debris flow?	Moderately competent black, carbonaceous, variably siliceous mudstone containing sub mm to <2cm lithic fragments and hosting few 0.5-2m sections of a pebble conglomerate, debris flow?. These minor debris flow/slump ages are probably created from a sequential moderate to high energy environment. Moderate energy being <4m sections of few scattered lithic fragments beds, high energy being the <2m beds/layers of debris flow/slump age. The lithic fragments within the (Debris flow?) beds consist of mm t <2-5cm white, whitish gray, black siliceous sub-rounded to sub-angular fragments with +/- internal py replacement, +/- pyritized rim/edges. Fragments exhibit a crude bedding observed at 20-25 to CA, indicated tops are down hole. Main cleavage throughout unit is shallow at 0-20 to CA typically at 0-10 to CA.	4SH	4FSH	GSF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-75	226.84	243.27	16.43	Black carbonaceous mudstone with very faint vfg laminated py	Moderately competent black, carbonaceous, variably siliceous mudstone containing scattered faint vfg mm brassy laminated py and vfg disseminated py. The py laminations can only be observed when core is wet and are extremely faint <1% throughout, parallel to cleavages. Located at 235.60-235.70 and 240.97-241.02 are layers of <0.5cm black to dark gray round to oval highly calcareous concretions, 50 to >100 concretions. At 239.86-240.42m and 241.82-243.03 are medium to light gray moderately calcareous muddy siltstone layer with medium grained brassy cubic py and few qtz-cal dilations veinlets <3cm. last 4m of the lower contact exhibits vfg faint mm laminated nodular barite which has been elongated along the cleavage. Core has a strong well defined cleavage at 30-35 to CA with a well defined graphitic sheen.	4SH		GSF
A-10-75	243.27	250.57	7.3	Black carbonaceous mudstone with weak nodular barite	Moderately competent black, carbonaceous, variably siliceous mudstone with a secondary nodular barite unit. Nodular barite is white to light gray variably calcareous +/- elongated along cleavage +/- py replaced centers. Lamination are mm in size in <5cm groupings inter-laminated with carbonaceous mudstone spaced every <50cm, total concentration <2%. Beds appear to have been disrupted by faulting also being elongated along secondary cleavage at 20 to CA (Bedding measurement is difficult to attain). Strong cleavage generally 30-40 to CA with a weak graphitic sheen.	4SH	4BSH	GSF
A-10-75	250.57	252.19	1.62	Fragmental carbonaceous mudstone	Abrupt unconformity at 250.57 into a layer of dark gray calcareous laminated silty mudstone with medium grained disseminated cubic brassy py (Possible large Lithic fragment). Continuing after the calcareous silty bed are <20cm typically <5cm medium gray to light gray angular to sub-angular inter-laminated to medium grained sandstone? lithic fragments supported by carbonaceous mudstone matrix. Last 30cm of unit appears to be disrupted medium grained sandstone beds? Unit is moderately competent with a strong well defined cleavage at 35 to CA with a well defined graphitic sheen.	4FSH		GSF
A-10-75	252.19	276.41	24.22	Black carbonaceous variably siliceous mudstone.	Moderately competent black, carbonaceous, moderately siliceous mudstone with fine grained brassy disseminated brassy py <1%. Core displays a polished sheen and is fairly hard (Nail does not scratch) contains rare dilation veinlets <1% generally parallel to cleavage. Cleavage dominantly oriented at 30-40 to CA.	4SH		GSF
A-10-75	276.41	285.69	9.28	Fragmental carbonaceous mudstone	Transitional upper contact from previous unit into weakly laminated medium grained disrupted sandstone bed, <30cm, with a boudined appearance below this section core becomes broken and fractured with <15cm sections of fault gouge. Within the broken fractured core are <5cm angular to sub-angular lithic fragments consisting of; inter-laminated calcareous limestone, inter-laminated fossiliferous limestone, and sub-round to sub-angular 60% py replaced lithic fragments. These lithic fragments are hosted within a black carbonaceous mudstone matrix. Cleavage varies slightly shallowing near faulted section 10-40 to CA.	4SH	4FSH	GSF
A-10-75	285.69	435.56	149.87	Black carbonaceous mudstone with scattered laminated py	Moderately competent black, carbonaceous, moderately siliceous mudstone with scattered laminated py and limy beds. Pyrite laminations are <0.5cm with medium grained brassy py with associated medium gray limy calcareous <0.5cm beds +/- disseminated medium grained py, <2% total combined laminations. Laminated py and limy beds slightly increase downhole, noticeable after large fault zone. Fine grained disseminated py is pervasive throughout the unit <1%. Unit contains sections of veining which contain trace chalcopyrite and sphalerite (View veining Tab) with scattered rare mm white qtz dilation veinlets throughout, typically associated with faulting. Located at 285.50-285.60 is a layer of dark gray round to oval <0.5cm calcareous concretions, >100. These concretion beds/layers are scattered throughout this unit every <2-5m. Core displays a polished sheen and is fairly hard (Nail does not scratch) cleavage orientation varies due to faults from 10-45 to CA. Large fault zone located at 323m continuing downhole until (OMG!) 392.23m. Cleavage strength and orientation varies significantly throughout unit refer to structure table.	4SH		GSF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-75	435.56	471.62	36.06	Highly deformed black carbonaceous mudstone with calcareous silty beds	Poker chip to moderately fractured core with <10cm sections of fault gouge with large section of fault affected, but competent core (1-2m). Black, vfg, carbonaceous to variably siliceous mudstone exhibiting extensive structural deformation with pervasive mm-2cm qtz-cal dilation and crackle veinlets and rare round to oval <10cm gray calcareous concretions. Unit contains Dark gray <10cm beds of mm round to oval gray calcareous concretions, >100, scattered throughout the unit every 1-3m. Also within this unit are <20cm medium to light gray inter-laminated silty calcareous mudstone beds spaced every 1-2m, +/- medium grained disseminated py, +/- qtz-cal stinger veinlets and +/- mm concretions (Rare). The structural deformation exhibits micro folds such as chevron M folds and S-folds. Veinlets are parallel to cleavage with trace brassy disseminated py and rare reddish brown sphalerite specks. Bedding measurements indicate that this unit/interval is part of a fold hinge (Which would explain the intensive deformation of the unit).	4SH		GSF
A-10-75	471.62	523.05	51.43	Black carbonaceous calcareous mudstone	Moderately competent black, vfg, carbonaceous, weakly calcareous mudstone with fine grained disseminated brassy py and white carbonate. Total disseminated py at 2% with 1-2% fine grained disseminated carbonate making the host rock weakly calcareous throughout. Located in scattered isolated beds are 5-25cm gray silty laminations with medium to fine grained brassy py replacement up to 30% and +/- rare <3cm massive pyrite cluster/chunk with a carbonate rim (Possible fragment entirely replaced by py). Unit also contains pervasive <1% 0.5-1cm dull white carb-sil (70/30) veinlets exhibiting 3 main orientations S1 10-25 to CA, S3 at 140-170 with +/- disseminated fg brassy py. Located at 480.98 is a large 20cm round-oval dark gray calcareous concretions. Cleavage is generally orientated at S1 0-20 to CA there are to more cleavages S2 near perpendicular to cleavage dipping at 15-30 down-hole S3 similar to S2 but trending up-hole at 165-170 to CA.	4SH		GSF
A-10-75	523.05	590.07	67.02	Black carbonaceous siliceous mudstone with concretions	Located at the Upper contact of unit is a slight transitional change from the previous variably calcareous unit into a black, vfg, carbonaceous, variably siliceous to moderately siliceous (increasing down-hole) mudstone with pervasive qtz-cal veining and <3% finely disseminated fine-medium grained brassy py. The upper contact contains 20m of strong to moderately silicified host rock by means of extensive Qtz-cal (90/10) stinger vein to veinlets <40cm, typically <1-4cm, trace py mineralization (Possible re-activated healed fault zone) Refer Veining Table. Throughout the competent carbonaceous mudstone unit are round to oval, +/-py , +/- calcite rimed and +/- internally replaced by fine grained disseminated py, dark gray concretions <1-<20cm increasing in concentration and decreasing in size down-hole.	4SH		GSF
				Continued	From 547.85-549.11m is a medium gray possibly laminated moderately calcareous silty mudstone with pervasive micro carbonate veinlets (It is possible that this is a large concretion), also located at 578.04-578.35m is gray to medium gray laminated/bedded silty, calcareous, limy mudstone inter-laminated with black carbonaceous mudstone. Weak to moderate cleavage generally at 10-20 to CA with two secondary cleavages at 70-80 to CA and 130 to CA.			
A-10-75	590.07	612.96	22.89	Black carbonaceous mudstone with beds of laminated py inter-laminated with nodular barite	Transitional change from previous unit introducing laminated py. Competent, black, vfg, carbonaceous, variably siliceous (increasing down-hole), mudstone with laminated pyritic beds and inter-laminated nodular barite. Dull brown brassy laminated py beds range from <10cm to <40cm bedded sections, width increasing down-hole, these beds are inter-laminated with dull white mm nodular barite +/- py replaced centers and mm black carbonaceous shale. Mineralized beds are separated by .40-1m sections of carbonaceous mudstone with one large section at 596.80-601.61m, mineralized beds increase in concentration and size below this point. Associated with the py laminations, generally in barren shales, are 0.5-2cm round to oval dark gray calcareous concretions +/- py replaced, +/- calcite rimmed displaying pressure shadows conformable to cleavage. Unit contains pervasive,<1%, mm dull white qtz-cal (70/30) veinlets which are parallel to cleavage at 20 to CA, slightly offset mineralized beds.	4PYSH		GSF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-75	612.96	631.71	18.75	Black carbonaceous mudstone with concretions and pervasive qtz veinlets	Competent, black, vfg, carbonaceous, variably siliceous to moderately siliceous, mudstone with pervasive mm qtz-cal veinlets, <1%. Within the unit are 1-20cm, generally <2cm, rare round to oval dark gray calcareous concretions. Qtz-cal (70/30) veinlets are scattered throughout the unit displaying no specific orientation, veinlets contain <1% concentrated specs of dull brown brassy py. Located at 616.65m is a isolated 3cm dull white variably calcareous nodular barite bed with fine grained py replaced centers. Lower contact of unit is a large vein zone, typical vein zone found above our 4MPSH unit, refer to veining Tab.	4SH		GSF
A-10-75	631.71	648.91	17.2	Massive beds of concentrated py in black carbonaceous mudstone	Competent, black, vfg, carbonaceous, variably siliceous, mudstone with concretions and well defined massive laminated beds of vfg py. Dark gray round to oval calcareous concretions are only located within the carbonaceous mudstone beds exhibiting +/- calcite rims +/- dehydration (sepratarian concretion). Mineralized beds range from 10-80cm in width these beds are separated by <0.5-1m barren carbonaceous mudstone sections. These mineralized beds display massive laminated dull brown brassy vfg py inter-laminated with mm white fine grained py replaced centers variably calcareous nodular barite and mm to <3cm beds of carbonaceous shale. Located at Upper and lower contacts are pervasive veining with silicification, Refer to Veining Tab. Bedding is generally observed to be 60-70 to CA. Weak cleavage at 30-40 to CA.	4MPSH		GSF
A-10-75	648.91	654.2	5.29	Black carbonaceous mudstone	Competent, black, vfg, carbonaceous, mudstone with fine grained disseminated py <1%. Located at 653.30 is a 3cm dark gray calcareous sepratarian concretion. At the lower contact of the unit is a disrupted gray granular silty calcareous bed. Weak cleavage at 25-30 to CA.	4SH		GSF
A-10-75	654.2	655.23	1.03	Massive beds of laminated py	Dull brown brassy laminated py beds with inter-laminated mm black, vfg, carbonaceous, mudstone and white calcareous fine grained nodular barite with py replaced centers. Mineralized beds contain rare <1cm round dark gray calcareous concretions with an iridescent sheen with +/- calcite rimmed. Within the mineralized section is a 30cm carbonaceous mudstone bed with minor mm dull white qtz-cal irregular veinlets, no visible mineralization.	4MPSH		GSF
A-10-75	655.23	658.37	3.14	Black carbonaceous mudstone	Competent, black, vfg, carbonaceous, mudstone with fine grained disseminated py <1% and <2cm round to oval dark gray calcareous concretions. <1cm concretions increase near the lower contact, near the mineralized horizon. Cleavage at 20-25 to CA.	4SH		GSF
A-10-75	658.37	674.36	15.99	Massive beds of concentrated py with mm beds of laminated sphalerite and black carbonaceous mudstone	Competent, black, vfg, carbonaceous, variably siliceous, mudstone with concretions and well defined massive laminated beds of vfg py +/- sphalerite. Two types of concretions are found within this unit; dark gray mm round to oval calcareous concretions only located within the carbonaceous mudstone beds exhibiting +/- calcite rims with pressure shadows parallel to cleavage +/- dehydration (sepratarian concretion) and within mineralized beds are <1cm round to oval dark gray concretions exhibiting a iridescent sheen (Calcite?) +/- internally ringed +/- edges broken off, located at 664.24 <5cm sepratarian concretion. Mineralized beds range from 50cm to 1m in width these beds are separated by <0.5-1m barren carbonaceous mudstone sections, these barren beds decrease in size down-hole to <1m at 667m.	4MPSH		GSF
				Continued	These mineralized beds display massive laminated dull brown brassy vfg py inter-laminated with mm steel gray sphalerite, white variably calcareous nodular barite with fine grained py replaced centers and mm-<2cm beds of carbonaceous shale. Located in mineralized beds are whitish gray to steel gray angular to sub-angular <2cm fragments +/- internally laminated (Rare). Weak to moderate cleavage at 20-25 to CA.,			

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-75	674.36	682	7.64	Massive beds of concentrated laminated py with inter-laminated steel gray Sphalerite	Competent, black, vfg, carbonaceous, variably siliceous, mudstone with concretions and well defined massive laminated beds of vfg py inter-laminated with vfg sphalerite and rare disseminated galena. Two types of concretions are found within this unit; dark gray mm round to oval calcareous concretions only located within the carbonaceous mudstone beds exhibiting +/- calcite rims with pressure shadows parall to cleavage +/- dehydration (sepratarian concretion) and within mineralized beds are <1cm round to oval dark gray concretions exhibiting a iridescent sheen (Calcite?) +/- internally ringed +/- edges broken off. Mineralized beds range from 20cm to 2m in width these beds are separated by <20-50cm barren carbonaceous mudstone sections, these barren beds decrease in size to <10cm with few exceptions (two shale inter-beds <40cm). These mineralized beds display massive laminated dull brown brassy vfg py inter-laminated with concentrated mm steel gray sphalerite with a weak white (Carbonate) mottled texture, white variably calcareous nodular barite with fine grained py replaced centers and mm-<2cm beds of carbonaceous shale.	4MPSH	4CC	GSF
				Continued	Galena occasionally occurs replacing remnant nodular barite near steel gray beds (sphalerite rich beds). All mineralized beds/laminations display minor folding/crenulations, the nodules of the nodular barite appear to be weakly elongated parallel to cleavage 20-30 to CA. Located in mineralized beds are whitish gray to steel gray angular to sub-angular <2cm fragments +/- internally laminated, located at 680.30m is a <5cm sub-rounded inter-laminated (sulphide rich) steel gray to black lithic fragment. Also located at 675.21m is a 2.5cmx4.5cm calcite replaced Cephalopod.			
A-10-75	682	689.76	7.76	Massive beds of concentrated laminated py in carbonaceous mudstone	Upper contact of unit, 30cm, has been blitzed with mm dilation veinlets at 160 to CA silicifying the host rock adding a light grey to medium gray colouration. Unit consist of competent black, vfg, carbonaceous, variably siliceous mudstone with concentrated beds of vfg laminated inter-laminated with vfg sphalerite and nodular barite. Mineralized beds are 5-50cm wide, typically <20cm, with 2-50cm, typically 10cm, carbonaceous mudstone beds hosting <1cm round dark gray calcareous concretions with an iridescent sheen +/- exhibiting and calcite rim with pressure shadows conformable to cleavage. Sulphides beds are consisted of dull brassy brown laminated py with inter-laminated white variably calcareous nodular barite (nodules are elongated along cleavage) with fine grained py replaced centers, faint vfg steel gray laminations with +/- mottled carbonate and black carbonaceous vfg <2cm beds. Mineralized beds contai rare <1cm angular to sub-angular whitish gray to black inter-laminated lithic fragments.	4MPSH		GSF
A-10-75	689.76	691.36	1.6	Massive beds of laminated sulphides	Massive concentrated beds of vfg steel gray laminations exhibiting a white mottled texture, carbonate, containing fine grained disseminated galena (Viewable with hand lens) inter-laminated with dull brassy brown laminated py with faint white variably calcareous nodular barite (Nodular barite only associated with Py laminations) and mm black carbonaceous mudstone. These Mineralized beds are separated by 3cm to 15cm carbonaceous mudstone beds, total shale inter-beds 44cm, containing mm sized round to oval gray concretions. Mineralized beds contain two <1cm angular to sub-rounded inter-laminated lithic fragments/sulphide rip-up clasts.	4CC	4MPSH	GSF
A-10-75	691.36	700.12	8.76	Black carbonaceous mudstone	Competent, black, vfg, carbonaceous, mudstone with fine grained disseminated py <1%. Unit contains one 2cm round to oval dark gray calcareous concretion with a calcite rim exhibiting an iridescent sheen. Located at 692.03 is a 3cm wide bed of gray silty mudstone laminations with fine grained disseminated cubic py unit also contains very faint wispy py laminations? Cleavage at 30-35 to CA.	4SH		GSF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-75	700.12	709.98	9.86	Massive beds of laminated sulphides	Upper contact of unit contains a 16cm section of a light gray calcareous laminated silty mudstone inter-laminated with carbonaceous mudstone which displays a gradational transition into massive beds of vfg grained sulphides. Sulphides beds are a light steel gray to a weak dull brown, initial mineralized bed is <3m with scattered <3cm beds of black carbonaceous mudstone below this section mineralized beds are generally <30cm separated by mudstone beds at <20-60cm in width. Mineralized beds consist of massive concentrated beds of vfg steel gray laminations exhibiting a well developed white mottled texture, carbonate, containing fine grained to medium grained disseminated galena inter-laminated with dull brassy brown laminated py with faint white variably calcareous nodular barite, nodular barite is typically associated with sph<py laminations, and mm black carbonaceous mudstone. The galena appears to have been remobilized and deposited as <0.5m long x mm wide clusters along a secondary cleavage at 25 to 35 CA this cleavage is demonstrated throughout the mineralization, but is most apparent with the remobilized galena.	4CC		GSF
				Continued	Sulphides decrease in concentration down hole laminations becoming fainter and pyrite to sphalerite rati increases. Mineralized beds contain 1-3cm angular to sub-rounded inter-laminated lithic fragments/sulphide rip-up clasts. Rare dark gray round to oval <1cm calcareous concretions are only located in the carbonaceous mudstone beds, located at 704.40 is a <10cm concretion with a mm calcite rind. Core moderately competent with cleavage and bedding conformable to each other at 50 to CA.			
A-10-75	709.98	720.94	10.96	Black carbonaceous mudstone with laminated calcareous silty mudstone grading into laminated py and nodular barite containing concretion and globular concretions	Competent black, vfg, carbonaceous, variably siliceous mudstone with silty calcareous laminations, laminated py, laminated nodular barite and round to globular concretions. Unit exhibits a rude sequence of <10cm gray silty variably calcareous mudstone inter-laminated with black carbonaceous mudstone which grades into laminated fine grained (diagenetic?) to vfg (exhalative?) brassy py inter-laminated with white variably calcareous <0.5cm round to oval nodular barite and carbonaceous mudstone. Associated with the sulphide laminations are <1-2cm round to oval dark gray calcareous calcite rimmed concretion as well as large <5cm medium gray globular concretions. These bedded/laminated sequences range from 10cm to 1m in width separated by 20cm to 1m black carbonaceous mudstone with rare <1cm dark gray calcareous calcite rimed concretions. From 717.20-718.40m section contains laminated sequence described above with well developed py, possibly as a replacement mineral, section is fault affected with minor qtz-cal vienlets. Moderate cleavage at 40-50 to CA bedding at 50 to CA. Lower contact is 2m section of black mudstone with few <10cm concretions.	4SS	4PYSH	GSF
A-10-75	720.94	724.89	3.95	Nodular Barite	Competent black, vfg, carbonaceous, variably siliceous mudstone hosting pervasive massive beds of laminated nodular barite. Barite nodules are <.5cm round to oval dull white variably calcareous inter-laminated with <0.5cm black carbonaceous mudstone. Barite nodules are weakly replaced by <1% fine grained brassy disseminated py. Barite can occur as rare weak <1cm dull whit beds. Within the unit near the lower contact are <10cm sections of sub-rounded to angular <5cm bleach white limestone fragments. Unit contains a weak cleavage at 45 to CA bedding ranges from 45-60 to CA.	4BSH		GSF
A-10-75	724.89	731.61	6.72	Limestone/Carbonate debris flow/sedimentary breccia	Light gray to dull white limestone/carbonate debris flow hosted in a black mudstone matrix . First 3m of unit contains inter-changing <5cm sections of black carbonaceous mudstone with fine grained laminated py followed by a 5-10cm bedded debris flow/breccia sections of <5cm sub-angular to sub-rounded dull white to off gray calcareous limestone fragments. The rest of the unit is clast supported where clasts ca range from <5cm-10cm in size. From 727.673-729.09m clasts and matrix demonstrate vfg-fg brassy py replacement, <2% over entire interval width py also appears to be roundish. Possibly biogenetic in origin Weak cleavage at 45 to CA unit contains a rough bedding at 60 to CA.	5BXLS		PRF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-75	731.61	737.11	5.5	Black carbonaceous mudstone with laminated py	Unconformable contact at the start of the unit coming out of a Large bioclastic limestone fragment into a black carbonaceous mudstone inter-laminated with fine grained to vfg variably calcareous silty mudstone with brassy pyrite replacement, some laminations have an exhalative appearance. Laminations are pervasive throughout. Nearing the lower contact are two <20cm gray silty mudstone beds. Within the unit are pervasive, <2%, irregularly oriented qtz-cal (60/40) veinlets with trace brassy py as fine grained dissemination and clusters. Moderate cleavage at 25-30 to CA with bedding at 30-45 to CA.	5SS		PRF
A-10-75	737.11	778.15	41.04	Sedimentary Debris flow or breccia	Unit consist of polymitic clasts ranging from various sizes 1-5cm to <1m boulders hosted in a black carbonaceous mudstone (Paul River Formations). Lithic fragments vary from angular to sub-angular to sub-rounded consisting of; black carbonaceous mudstone, dark gray inter-laminated siltstone, granular medium grained polymitic sandstone, light gray calcareous inter-laminated silty limestone, light gray bioclastic limestone, and variably calcareous gray to dark black inter-laminated silty mudstone (Road River Group). All clasts have <1% fine grained disseminated py (Possibly as a replacement mineral). Large fragments are dominantly of the Road River Group located at 754.68-760.59 and including the las 4.5m of the hole. Throughout the unit are pervasive <2% irregular qtz-cal (60/40) vienlets. Weak to moderate cleavage at 35-50, dominantly 30, to CA bedding is difficult to determine, but assumed to be conformable to cleavage.	5BXLS		PRF
					END OF HOLE			

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	ALT	INTENSITY
A-10-75	161.05	161.61	0.56	Medium to dark gray mudstone with mm micro fractures filled with carbonate veinlets, no specific orientation. Alteration is probably created by the veinlets making the host rock moderately calcareous.	Carb	Mod
A-10-75	299	300.01	1.01	White to translucent white Qtz veining with minor calcite silicifying the surrounding host rock to a buffed gray.	SIL	Strong
A-10-75	306.92	307.85	0.93	Minor qtz-cal veining in a fault zone moderately silicifying the host rock to a buffed bluish gray colour.	SIL	Mod
A-10-75	461.05	463.76	2.71	Highly silicified buffed bluish black to gray host rock with a <40cm section of veining. Core displays chatter marks along the core (very hard) indicating intense silicification.	SIL	Strong
A-10-75	489.62	493.82	4.2	Weakly to moderately silicified vein zone. Vein system is weakly altering the host rock to a dark gray colouration.	SIL	Weak
A-10-75	496.8	497.83	1.03	Medium to light gray silicified zone with minor qtz dilation veinlets, no specific alteration.	SIL	Strong
A-10-75	523.65	531.36	7.71	Medium gray to dark gray silicified host rock with dull white Qtz-cal (90/10) fracture/dilation veinlets with <5cm veins brecciating the host rock into <1cm angular fragments (Healed Fault?). No visible mineralization.	SIL	Strong
A-10-75	531.36	534.41	3.05	Dark gray to black weakly fault affected core moderately silicified.	SIL	Mod
A-10-75	537.23	538.2	0.97	Medium gray to dark gray silicified host rock with dull white Qtz-cal (90/10) fracture/dilation veinlets with <5cm veins brecciating the host rock into <1cm angular fragments (Healed Fault?). No visible mineralization.	SIL	Strong
A-10-75	543.46	544.59	1.13	Healed fault. Host rock is blitzed with micro fractures filled with white qtz-cal veinlets (80/20) silicifying the host rock to a medium gray colouration. Strongly silicified.	SIL	Strong
A-10-75	547.85	549.11	1.26	Carbonate/calcite altered micro fracture vein zone (Possible large Concretion) Highly calcareous medium gray silty mudstone with pervasive dilation fractures parallel to cleavage and lateral micro fractures veinlets. Veinlets are dominantly composed of calcite. No visible mineralization.	Carb	Strong
A-10-75	633.63	635.2	1.57	Highly silicified buffed bluish black to gray host rock with irregularly oriented veinlets. With the alteration zone are <10cm bleached light gray intensely silicified sections. Core displays chatter marks along the core (very hard) indicating intense silicification.	SIL	Strong
A-10-75	682.8	683.1	0.3	Healed fault? Pervasive mm Qtz-cal veinlets at 155 to CA silicifying the host rock to a medium black blue colouration.	SIL	Mod

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	PY %	SP %	GA %	BA %	CP %	PO %
A-10-75	243.27	252.2	8.93	Lamination of nodular barite are mm in size in <5cm groupings inter-laminated with carbonaceous mudstone spaced every <50cm, total concentration <2%.	tr			2		
A-10-75	590.07	612.96	22.89	Dull brown brassy laminated py beds range from <10cm to <40cm bedded sections, width increasing down-hole, these beds are inter-laminated with dull white mm nodular barite +/- py replaced centers and mm black carbonaceous shale. Mineralized beds are separated by .40-1m sections of carbonaceous mudstone with one large section at 596.80-601.61m, mineralized beds increase in concentration and size below this point.	8	tr		2		
A-10-75	631.71	648.91	17.2	Mineralized beds range from 10-80cm in width these beds are separated by <0.5-1m barren carbonaceous mudstone sections. These mineralized beds display massive laminated dull brown brassy vfg py inter-laminated with mm white fine grained py replaced centers variably calcareous nodular barite and mm to <3cm beds of carbonaceous shale.	25	tr		6		
A-10-75	654.2	655.23	1.03	Dull brown brassy laminated py beds with inter-laminated mm black, vfg, carbonaceous, mudstone and white calcareous fine grained nodular barite with py replaced centers. Within the mineralized section is a 30cm carbonaceous mudstone bed with minor mm dull white qtz-cal irregular veinlets, no visible mineralization.	45	1		4		
A-10-75	658.37	674.36	15.99	Mineralized beds range from 50cm to 1m in width these beds are separated by <0.5-1.5m barren carbonaceous mudstone sections, these barren beds decrease in size down-hole to <1m at 667m. These mineralized beds display massive laminated dull brown brassy vfg py inter-laminated with mm steel gray sphalerite, white fine grained py replaced centers variably calcareous nodular barite and mm-<2cm beds of carbonaceous shale.	40	2	Tr	2		
A-10-75	674.36	682	7.64	Mineralized beds range from 20cm to 2m in width these beds are separated by <20-50cm barren carbonaceous mudstone sections, these barren beds decrease in size to <10cm. These mineralized beds display massive laminated dull brown brassy vfg py inter-laminated with concentrated mm steel gray sphalerite with a weak white (Carbonate) mottled texture, white variably calcareous nodular barite with fine grained py replaced centers and mm-<2cm beds of carbonaceous shale. Galena occasionally occurs replacing remnant nodular barite near steel gray beds (sphalerite rich beds).	40	7	1	15		
A-10-75	682	689.76	7.76	Mineralized beds are 5-50cm wide, typically <20cm, with 2-50cm, typically 10cm, carbonaceous mudstone beds hosting <1cm round dark gray calcareous concretions with an iridescent sheen +/- exhibiting and calcite rim with pressure shadows conformable to cleavage. Sulphides beds are consisted of dull brassy brown laminated py with inter-laminated white variably calcareous nodular barite with fine grained py replaced centers, faint vfg steel gray laminations with +/- mottled carbonate and black carbonaceous vfg <2cm beds.	30	5	Tr	5		

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	PY %	SP %	GA %	BA %	CP %	PO %
A-10-75	689.76	691.36	1.6	Massive concentrated beds of vfg steel gray laminations exhibiting a white mottled texture, carbonate, containing fine grained disseminated galena (Viewable with hand lens) inter-laminated with dull brassy brown laminated py with faint white variably calcareous nodular barite (Nodular barite only associated with Py laminations) and mm black carbonaceous mudstone. These Mineralized beds are separated by 3cm to 15cm carbonaceous mudstone beds, total shale inter-beds 44cm.	45	10	5	12		
A-10-75	700.12	709.98	9.86	Sulphides beds are a light steel gray to a weak dull brown, initial mineralized bed is <3m with scattered <3cm beds of black carbonaceous mudstone below this section mineralized beds are generally <30cm separated by mudstone beds at <20-60cm in width. Mineralized beds consist of massive concentrated beds of vfg steel gray laminations exhibiting a well developed white mottled texture, carbonate, containing fine grained to medium grained disseminated galena inter-laminated with dull brassy brown laminated py with faint white variably calcareous nodular barite, nodular barite is typically associated with sph<py laminations, and mm black carbonaceous mudstone. Sulphides decrease in concentration down hole laminations becoming fainter and pyrite to sphalerite ratio increases.	25	10	5	15		
A-10-75	709.98	720.94	10.96	Black carbonaceous mudstone with laminated calcareous silty mudstone grading into laminated py and nodular barite containing concretion and globular concretions.	2			2		
A-10-75	720.94	724.89	3.95	Pervasive massive beds of laminated nodular barite. Barite nodules are <.5cm round to oval dull white variably calcareous inter-laminated with <0.5cm black carbonaceous mudstone. Barite nodules are weakly replaced by <1% fine grained brassy disseminated py. Barite can occur as rare weak <1cm dull whit beds.	tr			40		
A-10-75	731.61	737.11	5.5	Black carbonaceous mudstone inter-laminated with fine grained to vfg variably calcareous silty mudstone with brassy pyrite replacement, some laminations have an exhalative appearance. Laminations are pervasive throughout.	2					

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-75	34.38	73.07	38.69	Pervasive dull white mm qtz-cal dilation veins with rare <5cm veins. Veins contain trace vfg brassy py. Located at the end of the interval is a 50cm section of <5cm irregularly oriented Qtz-cal veins (Healed Fault). Veins are generally conformable to cleavage.	2	50-90
A-10-75	75.96	76.86	0.9	Scattered white to translucent gray qtz-cal veins (70/30) oriented parallel to cleavage. No visible mineralization.	20	50-60
A-10-75	78.82	78.9	0.08	White to translucent gray qtz-cal (70/30) shear vein. No visible mineralization	80	70
A-10-75	79.06	79.1	0.04	White to translucent gray qtz-cal (70/30) vein. No visible mineralization	90	80
A-10-75	79.8	82.29	2.49	Pervasive 3-10cm dull white Carb-sil (70/30) veins dominantly orientated parallel to cleavage. Veins display +/- shear veining.	30	50-60
A-10-75	82.29	84.48	2.19	Pervasive mm Qtz-cal veinlets conformable to cleavage. No visible mineralization.	10	70
A-10-75	87.05	87.26	0.21	White to translucent white qtz-cal (60/40) shear vein. Vein contains disseminated py and trace mm reddish brown sphalerite.	40	35
A-10-75	116.85	119.92	3.07	Vein Zone. Veins are a white to translucent white qtz-cal (60/40) <2cm typically mm is size, veinlets have no specific orientation. Several generations of veining with the dominant orientation conformable to cleavage. Veins contain trace amounts of brassy py, reddish brown sphalerite and bright-brassy greenish yellow chalcopyrite. Shear vein located at 199.47-199.92 at 45 to CA.	30	20-35
A-10-75	139.05	139.65	0.6	White to Grayish white Qtz-cal (70/30) veins no specific orientation. Contains Trace disseminated brassy fine grained py.	40	
A-10-75	150.02	150.15	0.13	<3cm white to translucent white qtz-cal (70/30) crackle dilation veinlets. No visible mineralization.	30	37
A-10-75	161.05	161.61	0.56	mm micro fractures filled with carbonate veinlets, no specific orientation.	30	
A-10-75	163.96	164	0.04	Dull white Qtz-cal (60/40) shear vein. No visible mineralization.	60	40
A-10-75	168.76	169.48	0.72	Dull white to translucent gray micro to mm crackle veinlets, no specific orientation, with +/- trace disseminated brassy py.	25	
A-10-75	183.04	183.17	0.13	Shear vein. <0.5cm laminated Qtz-cal veinlets (70/30) with no visible mineralization. Shear vein orientation to CA starts at 100 and finishes at 160 to CA.	60	100-160
A-10-75	224	224.13	0.13	Shear vein. Mm to sub-mm laminated Qtz-cal veinlets (70/30) with no visible mineralization. Shear vein orientation at 20 to CA with lateral dilation veins at 130 to CA.	40	20
A-10-75	226.38	226.84	0.46	Several generations of dilation veins crackle veins and cross-cutting veins main orientation at 50 to CA. No visible mineralization	60	50
A-10-75	233.97	234.01	0.04	Inter-laminated qtz-cal shear veins at 45 to CA (70/30) with lateral dilation veins at 150 to CA.	50	45
A-10-75	261.01	261.16	0.15	White to translucent white qtz-cal (70/30) 2cm shear vein at start of interval with lateral crackle/dilation veinlets at 150 to CA. No visible mineralization.	20	30
A-10-75	299	300.01	1.01	White to translucent white Qtz veining with minor calcite silicifying the surrounding host rock to a buffed gray. Veins are <20cm brecciating the host rock displaying crackle fractures, with associated <0.5cm dilation veins. Veins are generally orientated at 25 to CA. Located at 299.78 is 4cm Shear vein orientated at 150 to CA. Trace bright greenish yellow Chalcopyrite and reddish brown sphalerite mineralization.	40	25

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-75	305.35	305.47	0.12	<2cm white to translucent gray dilation qtz-cal (90/10) vein with associated crackle veinlets. Trace reddish brown sphalerite.	10	35
A-10-75	306.92	307.85	0.93	First 20cm of vein zone are inter-laminated qtz-cal (80/20) veins (Shear vein) with irregularly oriented dilation <0.5cm veinlets, bearing trace reddish brown sphalerite.	25	40
A-10-75	319.46	319.98	0.52	<3cm white medium gray brecciating veinlets at 35 to CA with <0.5cm angular host rock fragments within veins. Veinlets exhibit lateral veins at 130 to CA. Veinlets contain <1% reddish brown mm speckled sphalerite.	35	25
A-10-75	338.28	338.64	0.36	White to translucent qtz shear vein at 55 to CA which is silicifying the host rock. Shear vein is being cross-cutted by a 2cm qtz vein brecciating the host rock and shear vein at 180 to CA. Veins contains trace disseminated brassy py.	45	55
A-10-75	352.27	353	0.73	white to translucent <0.5cm laminated qtz veins spaced <2cm which have be fractured and re-healed several times (Healed fault). Vein section has been moderately silicified giving the host rock a light gray to bluish buff colour. Contains trace disseminated fine grained brassy py.	35	70-80
A-10-75	367.25	367.69	0.44	<3cm Laminated qtz veins (Shear vein) silicify the host rock to a buffed whitish gray. No visible mineralization	80	50-60
A-10-75	370.69	371.23	0.54	Highly brecciated to micro fractured shear vein consisting of dull white qtz crackle veinlets orientated at 140 to CA. No visible mineralization. Host rock has been highly silicified to a buffed whitish gray colour.	70	140
A-10-75	417.41	417.64	0.23	Dull white to translucent gray <1cm crackle/dilation veinlets with a weak orientation at 20 to CA, with <1 trace disseminated medium grained brassy py.	15	20
A-10-75	443.05	443.13	0.08	White to dark gray qtz-cal vein (90/10) at 50 to CA with <1% disseminated medium grained py. Associated with the vein are mm dilation/micro fracture veinlets.	35	50
A-10-75	461.05	463.76	2.71	Highly silicified buffed bluish black host rock with a <40cm section of Veining. Qtz veins are a white to translucent white exhibiting several generations of veining cross-cutting and brecciating, veins and host rock, (Healed Fault?) containing black mm wavy stylolites between veins >1cm. Main orientation of veining at 40 to CA.	25	40
A-10-75	489.62	493.82	4.2	Vein Zone brecciating the host rock within veins are 1-3cm angular black mudstone fragments +/- py replacement. Veins are a white to translucent white qtz-cal (80/20) <4cm typically 0.5-1cm is size, micro fracture/dilation veinlets have no specific orientation. Several generations of veining with the dominant orientation conformable to cleavage, orientation working down hole 10-20cm; 55, 0, 0, 50, 150, 90, 80, 70, 160, 130, 2cm movement perpendicular to CA reverse fault (sinstral movement), and 40 to CA. Veins contain trace amounts of brassy fine grained py.		
A-10-75	523.05	531.36	8.31	Medium gray to dark gray silicified host rock with dull white Qtz-cal (90/10) fracture/dilation veinlets with <5cm veins brecciating the host rock into <1cm angular fragments (Healed Fault?). No visible mineralization. Orientation of the veins vary since they're several generations of veining cross-cutting and re-healing the fault zone? there are sections within the vein that are fractured and blocky with minor fault gouge along cleavage's. Dominant cleavage 10-15 to CA.	25	10

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-75	534.4	538.28	3.88	Healed Fault? Upper portion of vein zone contains minor to little silicification while the last 1m is highly silicified displaying pervasive qtz-cal stringer veinlets. Veins have multiple orientations within the vein zone exhibiting several generations of veining (Fault re-activation and healing?). Veins are generally 1-4cm with black wavy stylolites cores and minor brassy py mineralization. Review structure table for vein orientations.	45	
A-10-75	538.28	542.64	4.36	White qtz-cal micro veinlets (90/10) with mm dilation veinlets oriented at 10 to CA.	5	10
A-10-75	542.64	543.46	0.82	Upper vein zone contains pervasive micro fractures and qtz-cal dilation veinlets (Healed fault?) at 25 to CA. Last 50cm of zone is a Qtz-cal vein at 160 to CA with <2cm angular fragments (95/5) with black graphitic stylolites. With minor brassy py mineralization.	40	160
A-10-75	543.46	544.59	1.13	Healed fault. Host rock is blitzed with micro fractures filled with white qtz-cal veinlets (80/20) silicifying the host rock to a medium gray colouration. Strongly silicified. No specific orientation of veinlets cleavage at 40 to CA.	25	
A-10-75	544.59	546.08	1.49	dull white to translucent white <3cm Qtz-cal vein brecciating the host rock, no specific orientation.	20	
A-10-75	547.85	549.11	1.26	(Possible large Concretion) Highly calcareous medium gray silty mudstone with pervasive dilation fractures parallel to cleavage and lateral micro fractures veinlets. Veinlets are dominantly composed of calcite. No visible mineralization.	20	50
A-10-75	574.45	574.47	0.02	Dull white qtz-cal (60/40) dilation vein with black wavy stylolites within the center and trace py mineralization.	90	12
A-10-75	579.47	579.5	0.03	Dull white qtz-cal (60/40) dilation vein with black wavy stylolites within the center with 3% fine grained brassy py boarding the edge on either side of the vein.	90	16
A-10-75	611.4	612.03	0.63	Upper contact contains mm fracture/dilation veinlets in the center of the vein section is a 10cm wide Dull white to translucent white qtz-cal (70/30) vein with internal black wavy stylolites. After the vein is a net-work of near stockwork veinlets brecciating the host rock containing a dull brown highly displaced laminated bed of brassy py. General orientation of the veins at 20 to CA.	40	20
A-10-75	624.65	624.67	0.02	Dull white to gray qtz-cal (90/10) dilation vein at 170 to CA	90	170
A-10-75	628.49	631.71	3.22	Vein Zone. White to translucent gray stockwork veining 1-10cm, typically <2cm, exhibiting sections of wider veins <10cm with 0.5-1m sections of intense stockwork veinlets which silicify the host rock to a dull black colouration. Vein orientation ranges from 20-60 to CA with lateral veinlets at 130-160 to CA. (Possible Healed Fault zone).	75	20-60
A-10-75	633.18	633.39	0.21	Pervasive dilation whit to translucent gray Qtz veinlets at 20-35	25	20-35
A-10-75	640.27	640.29	0.02	2cm Qtz-cal shear vein at 60 to CA	90	60
A-10-75	640.67	640.69	0.02	2cm Qtz-cal shear vein at 60 to CA	90	80
A-10-75	646.81	648.26	1.45	Upper contact, 90 to CA, and located at 647.75m, 60 to CA, are two <20cm qtz-cal (80/20) shear veins. Between both shear veins are irregularly spaced/oriented qtz-cal veinlets. Veins contain finely disseminated py.	20	60-90
A-10-75	648.69	648.72	0.03	3cm Qtz-cal shear vein at 90 to CA containing a speck of reddish brown sphalerite.	80	90
A-10-75	654.31	654.33	0.02	2cm Qtz-cal shear vein at 90 to CA	90	90

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-75	674.68	674.8	0.12	Dull white qtz-cal (90/10) shear vein with internal black carbonaceous stylolites at 25 to CA	80	25
A-10-75	676.02	676.16	0.14	Dull white qtz-cal (90/10) shear vein with internal black carbonaceous stylolites at 60 to CA	80	60
A-10-75	677.97	678.1	0.13	Dull creamy beige white Calcite/carbonate vein with mm vugs at 168 to CA.	90	168
A-10-75	682.8	683.1	0.3	Healed fault? Pervasive mm Qtz-cal veinlets at 155 to CA silicifying the host rock.	10	155
A-10-75	684.4	684.42	0.02	2cm Qtz-cal shear vein at 55 to CA	90	55
A-10-75	687.7	687.71	0.01	1cm Qtz-cal shear vein at 55 to CA	90	55
A-10-75	688.12	688.13	0.01	1cm Qtz-cal shear vein at 55 to CA	90	55
A-10-75	689.3	689.35	0.05	5cm Qtz-cal shear vein at 90 to CA	80	90
A-10-75	690.01	690.04	0.03	3cm Qtz-cal shear vein at 55 to CA	80	55
A-10-75	701.61	701.62	0.01	1cm Qtz-cal shear vein at 55 to CA	80	
A-10-75	709.83	710.04	0.21	Shear zone contains pervasive white qtz-cal (80/20) micro lateral crackle veinlets at 110 to CA while cleavage is at 35 to CA.	25	110
A-10-75	711.38	711.59	0.21	Healed fault section with pervasive qtz-cal dilation and crackle veinlets at 30 to CA.	10	30
A-10-75	735.15	735.43	0.28	3cm qtz-cal (70/30) vein with internal stylolites. Vein orientated at 10 to CA.	30	10
A-10-75	737.11	737.22	0.11	Dull white (70/30) qtz-cal shear vein with lateral veinlets at 15 to CA. The shear vein is orientated at 30 to CA.	40	30

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-75	8.17	8.18	0.01	Moderate Cleavage	CLV	35
A-10-75	10.9	10.91	0.01	Moderate Cleavage	CLV	45
A-10-75	14	14.01	0.01	Weak Cleavage	CLV	45
A-10-75	14.1	14.11	0.01	Fine laminations	BDG	35
A-10-75	17.69	17.7	0.01	Moderate Cleavage	CLV	40
A-10-75	17.98	17.99	0.01	Fine laminations	BDG	30
A-10-75	20.36	20.37	0.01	Weak Cleavage	CLV	30
A-10-75	20.5	20.51	0.01	Fine laminations	BDG	5
A-10-75	21.11	21.12	0.01	1cm Dextral movement	FLT	40
A-10-75	21.58	21.59	0.01	Fine laminations	BDG	15
A-10-75	21.64	21.65	0.01	Moderate Cleavage	CLV	40
A-10-75	21.85	22.31	0.46	Fractured blocky core with a waxy sheen along partings with associated red limonitic staining.	FLT	
A-10-75	22.64	22.76	0.12	Fractured core with weakly developed fault gouge along partings.	FLT	
A-10-75	23	23.01	0.01	Moderate Cleavage	CLV	45
A-10-75	23.69	23.7	0.01	Fine laminations	BDG	55
A-10-75	24.34	24.35	0.01	Fine laminations	BDG	25
A-10-75	25.23	25.24	0.01	Moderate Cleavage	CLV	35
A-10-75	25.35	25.36	0.01	Fine laminations	BDG	20
A-10-75	26.55	28.88	2.33	Highly fractured to rubbly core with well developed fault gouge.	FLT	
A-10-75	31.08	31.59	0.51	Highly fractured to rubbly core with well developed fault gouge with a white oxide.	FLT	
A-10-75	33.18	33.19	0.01	Moderate Cleavage	CLV	55
A-10-75	33.5	33.51	0.01	Fine laminations	BDG	0
A-10-75	34.87	34.88	0.01	Fine laminations	BDG	0
A-10-75	37.35	37.36	0.01	Moderate Cleavage	CLV	50
A-10-75	37.52	37.53	0.01	Fine laminations	BDG	70
A-10-75	41.65	41.66	0.01	Weak Cleavage	CLV	55
A-10-75	44.16	44.17	0.01	Moderate Cleavage	CLV	60
A-10-75	47.08	47.09	0.01	Weak Cleavage	CLV	50
A-10-75	49.82	49.83	0.01	Moderate Cleavage	CLV	55
A-10-75	52.95	52.96	0.01	Moderate Cleavage	CLV	40
A-10-75	56.24	56.25	0.01	Moderate Cleavage	CLV	60
A-10-75	58.55	58.56	0.01	Moderate Cleavage	CLV	45
A-10-75	60.79	60.8	0.01	Moderate Cleavage	CLV	50
A-10-75	62.7	62.71	0.01	Moderate Cleavage	CLV	45
A-10-75	63.6	63.61	0.01	Moderate Cleavage	CLV	50
A-10-75	65.78	65.79	0.01	Weak Cleavage	CLV	90
A-10-75	66.96	66.97	0.01	Moderate Cleavage	CLV	70
A-10-75	68.78	68.79	0.01	Weak Cleavage	CLV	90

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-75	71.22	71.23	0.01	Weak Cleavage	CLV	90
A-10-75	72.62	73.07	0.45	Fractured blocky core with moderately developed fault gouge. Fault is partially healed with Qtz-cal veins.	FLT	
A-10-75	74.06	74.07	0.01	Moderate Cleavage	CLV	55
A-10-75	76.94	76.95	0.01	Moderate Cleavage	CLV	60
A-10-75	77.73	78	0.27	Highly fractured fault with moderately developed fault gouge.	FLT	
A-10-75	80.25	80.26	0.01	Moderate Cleavage	CLV	45
A-10-75	83.08	83.09	0.01	Strong Cleavage	CLV	70
A-10-75	84.48	86.27	1.79	Highly fractured to poker chip core with well developed sections of fault gouge <20cm. Some minor qtz-cal stringers. Cleavages display a well defined graphitic sheen.	FLT	
A-10-75	87.05	87.06	0.01	Moderate Cleavage	CLV	28
A-10-75	89.23	89.24	0.01	Moderate Cleavage	CLV	22
A-10-75	92.05	92.06	0.01	Moderate Cleavage	CLV	20
A-10-75	93.7	116.04	22.34	Highly fracture core with moderate developed fault gouge along partings, sections of fault gouge <10cm. Displays a well defined graphitic sheen along cleavages. Cleavage at 0-10 to CA.	FLT	0-10
A-10-75	116.3	116.31	0.01	Moderate Cleavage	CLV	15
A-10-75	118.6	118.61	0.01	Moderate Cleavage	CLV	20
A-10-75	119.92	120.08	0.16	Fractured core with weakly developed fault gouge along partings.	FLT	
A-10-75	121.83	122	0.17	Healed fault gouge.	FLT	
A-10-75	122.7	122.71	0.01	Moderate Cleavage	CLV	35
A-10-75	125	125.01	0.01	Moderate Cleavage	CLV	25
A-10-75	127.63	127.64	0.01	Moderate Cleavage	CLV	20
A-10-75	130.61	130.62	0.01	Strong Cleavage	CLV	22
A-10-75	134	134.01	0.01	Moderate Cleavage	CLV	30
A-10-75	136.05	136.06	0.01	medium grained sandstone bed	BDG	25
A-10-75	136.9	136.91	0.01	Moderate Cleavage	CLV	25
A-10-75	140.13	140.14	0.01	Moderate Cleavage	CLV	25
A-10-75	146.22	146.23	0.01	Moderate Cleavage	CLV	35
A-10-75	147.12	148.7	1.58	Fractured fissile shale in well developed gouge.	FLT	
A-10-75	148.9	148.91	0.01	Strong Cleavage	CLV	30
A-10-75	152.15	152.16	0.01	Strong Cleavage	CLV	27
A-10-75	155.13	155.14	0.01	Strong Cleavage	CLV	40

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-75	157.77	157.78	0.01	Moderate Cleavage	CLV	30
A-10-75	161.7	161.71	0.01	Strong Cleavage	CLV	31
A-10-75	164.15	164.16	0.01	Moderate Cleavage	CLV	30
A-10-75	167.03	167.04	0.01	Moderate Cleavage	CLV	30
A-10-75	170	170.01	0.01	Moderate Cleavage	CLV	35
A-10-75	171.01	173	1.99	Fault Zone,<10cm sections of fault gouge with fractured core with a dominant poker chip appearance. Cleavage at 25-30 to CA	FLT	25-30
A-10-75	173.05	173.06	0.01	Strong Cleavage	CLV	34
A-10-75	176	176.01	0.01	Moderate Cleavage	CLV	35
A-10-75	179.14	179.15	0.01	Moderate Cleavage	CLV	30
A-10-75	182.1	182.11	0.01	Moderate Cleavage	CLV	15
A-10-75	185.07	185.08	0.01	Moderate Cleavage	CLV	15
A-10-75	188	188.01	0.01	Moderate Cleavage	CLV	25
A-10-75	190.66	190.67	0.01	Moderate Cleavage	CLV	20
A-10-75	190.86	190.87	0.01	Isolated Debris flow bed mm-2cm grain size. Tops are down hole.	BDG	25
A-10-75	193.96	193.97	0.01	Moderate Cleavage	CLV	25
A-10-75	197	197.01	0.01	Moderate Cleavage	CLV	20
A-10-75	200	200.01	0.01	Moderate Cleavage	CLV	20
A-10-75	202.8	202.81	0.01	Moderate Cleavage	CLV	13
A-10-75	206.18	206.19	0.01	Moderate Cleavage	CLV	10
A-10-75	208.94	208.95	0.01	Moderate Cleavage	CLV	7
A-10-75	212.84	212.85	0.01	Moderate Cleavage	CLV	4
A-10-75	215.45	215.46	0.01	Moderate Cleavage	CLV	7
A-10-75	219.2	219.21	0.01	Moderate Cleavage	CLV	3
A-10-75	221.11	221.12	0.01	Moderate Cleavage	CLV	2
A-10-75	223.94	223.95	0.01	Strong Cleavage	CLV	10
A-10-75	225.9	226.38	0.48	Healed Fault. Moderately fractured to rubbly core with <5cm competent sections exhibiting Qtz-cal veinlets throughout. Weakly developed fault gouge partings displayed a well defined graphitic sheen. Veins at 60 to CA.	FLT	60
A-10-75	230.3	230.31	0.01	Moderate Cleavage	CLV	35
A-10-75	233.13	233.14	0.01	Moderate Cleavage	CLV	22
A-10-75	236.11	236.12	0.01	Moderate Cleavage	CLV	35
A-10-75	238.82	238.83	0.01	Faint laminated nodular barite	BDG	35
A-10-75	239.07	239.08	0.01	Strong Cleavage	CLV	30
A-10-75	241.46	241.47	0.01	Strong Cleavage	CLV	30

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-75	242.03	243.36	1.33	Fractured core with moderately developed fault gouge along partings. All parting display a defined graphitic sheen. Core is extremely brittle.	FLT	20
A-10-75	244.75	244.76	0.01	laminated nodular barite	BDG	30
A-10-75	244.86	244.87	0.01	Moderate Cleavage	CLV	35
A-10-75	245.08	246.39	1.31	Poker chip shale with a well defined graphitic sheen along cleavages. 20cm section of highly faulted core with moderately developed fault gouge. Cleavage is at 70 (Fault may follow this orientation).	FLT	70
A-10-75	246	246.01	0.01	Strong Cleavage	CLV	30
A-10-75	248.05	248.06	0.01	laminated nodular barite	BDG	50
A-10-75	251.17	251.18	0.01	Strong Cleavage	CLV	35
A-10-75	252.19	252.42	0.23	Well developed fault gouge with fractured core.	FLT	
A-10-75	254.17	254.18	0.01	Strong Cleavage	CLV	30
A-10-75	257.14	257.15	0.01	Strong Cleavage	CLV	30
A-10-75	260.12	260.13	0.01	Strong Cleavage	CLV	32
A-10-75	263	263.01	0.01	Moderate Cleavage	CLV	40
A-10-75	263.74	266.8	3.06	Poker chip shale with weakly developed gouge along cleavages. Contains sections of fractured broken core.	FLT	
A-10-75	267	267.01	0.01	Moderate Cleavage	CLV	35
A-10-75	269	269.1	0.1	Moderate Cleavage	CLV	22
A-10-75	269.39	269.69	0.3	Highly faulted core with well developed fault gouge, core is very brittle.	FLT	
A-10-75	271.61	271.62	0.01	Moderate Cleavage	CLV	48
A-10-75	271.81	272.17	0.36	Cleavage have a well defined graphitic sheen core is moderately fracture and brittle. Minor fault gouge along partings. Fault has been qtz-cal healed at lower and upper contact	FLT	
A-10-75	272.43	272.44	0.01	Strong Cleavage	CLV	30
A-10-75	275	275.01	0.01	Moderate Cleavage	CLV	33
A-10-75	276.65	276.66	0.01	medium grained laminated py	BDG	45

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-75	277.88	285.2	7.32	Poker chipped core with highly fractured core and <20cm sections of well developed fault gouge. All cleavages have a well defined graphitic sheen, cleavage at 15-30 to CA.	FLT	15-30
A-10-75	286.97	286.98	0.01	Strong Cleavage	CLV	30
A-10-75	287.15	287.16	0.01	medium grained laminated py	BDG	40
A-10-75	287.66	288.66	1	Fractured blocky core with a <5cm section of weakly developed fault gouge and highly fractured core.	FLT	
A-10-75	290.21	290.22	0.01	Strong Cleavage	CLV	30
A-10-75	290.96	290.97	0.01	medium grained laminated py	BDG	34
A-10-75	290.73	291.2	0.47	Poker chip core with a <5cm section of weakly developed fault gouge and highly fractured core.	FLT	
A-10-75	292.32	292.33	0.01	medium grained laminated py	BDG	45
A-10-75	292.7	292.71	0.01	Moderate Cleavage	CLV	20
A-10-75	295.22	295.23	0.01	medium grained laminated py	BDG	35
A-10-75	295.39	295.4	0.01	Strong Cleavage	CLV	35
A-10-75	296.05	296.6	0.55	Highly friable core first 20cm is dominantly fault gouge. 4cm Shear vein located at 296.41, no visible mineralization.	FLT	20
A-10-75	297.38	297.39	0.01	Moderate Cleavage	CLV	12
A-10-75	298.92	298.93	0.01	Strong Cleavage	CLV	30
A-10-75	300.01	301.19	1.18	Fractured core with a shallow cleavage. Cleavages display a graphitic sheen and minor fault gouge.	FLT	7-10
A-10-75	301.79	301.8	0.01	Moderate Cleavage	CLV	25
A-10-75	302.51	302.52	0.01	medium grained laminated py	BDG	42
A-10-75	303.46	304.43	0.97	Poker chip to fractured core with minor fault gouge along cleavages.	FLT	20
A-10-75	304.77	304.78	0.01	medium grained laminated py	BDG	36
A-10-75	305	305.01	0.01	Strong Cleavage	CLV	35
A-10-75	305.21	305.22	0.01	Limy beds with coarse grained cubic disseminated py	BDG	35
A-10-75	308.7	308.71	0.01	Strong Cleavage	CLV	30
A-10-75	309.09	309.1	0.01	medium grained laminated py	BDG	30
A-10-75	310.55	310.8	0.25	Fractured healed fault with minor fault gouge and qtz-cal veining. Weakly siliceous.	FLT	
A-10-75	313.64	313.65	0.01	medium grained laminated py	BDG	40
A-10-75	314	314.01	0.01	Strong Cleavage	CLV	35

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-75	316.83	316.84	0.01	medium grained laminated py	BDG	30
A-10-75	317.06	317.07	0.01	Moderate Cleavage	CLV	20
A-10-75	320.07	320.08	0.01	Strong Cleavage	CLV	35
A-10-75	320.19	320.2	0.01	medium grained laminated py	BDG	40
A-10-75	322.32	322.33	0.01	Strong Cleavage	CLV	32
A-10-75	323	344	21	Large Fault Zone. Poker chip core to highly fractured core with weakly developed fault gouge along partings. Cleavage displays a nice graphitic sheen, cleavage at 20-25 to CA. Some competent section <10cm. Variably siliceous.	FLT	20-25
A-10-75	344	353	9	Same Fault zone as previous. Fractured core with minor poker chipped areas (competent sections) with <5cm sections of well developed fault gouge, core very brittle. Lower contact of fault has 1m section of qtz veining silicifying the host rock. Strong Cleavage generally oriented at 20-30 to CA.	FLT	20-30
A-10-75	353	373.5	20.5	Same Fault zone as previous. Highly fractured with large sections of fault gouge <1m. Core is extremely brittle still displaying a well defined graphitic along partings. Cleavage is at 0-20 to CA.	FLT	0-20
A-10-75	373.5	392.28	18.78	Same Fault zone as previous. Poker chip core with <10cm of highly fracture sections. Minor gouge within partings, cleavage displays a near mirror like reflection (Graphitic sheen). Strong Cleavage at 30-50 to CA	FLT	30-50
A-10-75	394.06	394.07	0.01	Strong Cleavage	CLV	30
A-10-75	394.16	394.17	0.01	Limy beds with coarse grained cubic disseminated py	BDG	30
A-10-75	398.06	398.07	0.01	medium grained laminated py	BDG	20
A-10-75	398.18	398.19	0.01	Moderate Cleavage	CLV	30
A-10-75	400.25	400.26	0.01	Moderate Cleavage	CLV	15
A-10-75	400.39	400.4	0.01	medium grained laminated py	BDG	15
A-10-75	401.36	403.2	1.84	Fractured blocky core with minor fault gouge along partings.	FLT	15
A-10-75	403.77	403.78	0.01	Fine grained py laminations	BDG	9
A-10-75	403.98	403.99	0.01	Moderate Cleavage	CLV	5

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-75	404	405.2	1.2	Fractured blocky core with a moderate shallow cleavage. Partings display a well defined graphitic sheen.	FLT	5
A-10-75	405.3	405.31	0.01	Fine grained py laminations	BDG	6
A-10-75	405.85	405.86	0.01	Moderate Cleavage	CLV	5
A-10-75	406.91	406.92	0.01	Moderate Cleavage	CLV	15
A-10-75	409.95	409.96	0.01	Moderate Cleavage	CLV	20
A-10-75	410	417.41	7.41	Highly fractured core with well developed fault gouge <10cm sections throughout the entire fault zone. Core is extremely brittle and has a well defined graphitic sheen along partings. There is a qtz-stringer healed fault section <5cm near the lower contact of the fault.	FLT	
A-10-75	413.31	413.32	0.01	Strong Cleavage	CLV	30
A-10-75	413.34	413.35	0.01	Limy silty beds with fine grained brassy py.	BDG	28
A-10-75	417.64	418.18	0.54	Bedded mm concretions	BDG	35
A-10-75	419.11	419.12	0.01	Moderate Cleavage	CLV	25
A-10-75	421.73	421.74	0.01	Moderate Cleavage	CLV	25
A-10-75	422.94	422.95	0.01	Faint laminated nodular barite	BDG	25
A-10-75	423.84	423.91	0.07	Bedded mm concretions	BDG	40
A-10-75	426.95	426.96	0.01	Boudined limy beds	BDG	30
A-10-75	427.4	431	3.6	Fractured blocky core with <10cm sections of competent core. Thin sections of fault gouge are found along cleavages, cleavages display a graphitic sheen.	FLT	20
A-10-75	434.73	434.74	0.01	faint laminated py with weak nodular barite	BDG	55
A-10-75	434.84	434.85	0.01	Moderate Cleavage	CLV	40
A-10-75	434	434.25	0.25	Bedded mm concretions	BDG	45
A-10-75	434.5	434.51	0.01	Moderate Cleavage	CLV	40
A-10-75	434.55	434.56	0.01	faint laminated py with weak nodular barite	BDG	150
A-10-75	434.75	434.76	0.01	faint laminated py with weak nodular barite	BDG	180
A-10-75	435.07	435.08	0.01	faint laminated py with weak nodular barite	BDG	15

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-75	435.56	446.22	10.66	Highly fractured to rubbly core with <20cm scattered sections of competent core. Fault zone contains <5cm sections of well developed fault gouge. Cleavages display a well defined graphitic sheen, cleavage at 30-40. Interval contains minor qtz-cal irregular dilation/crackle veinlets.	FLT	30-40
A-10-75	447.18	447.19	0.01	Moderate Cleavage	CLV	39
A-10-75	447.25	447.26	0.01	faint laminated py with weak nodular barite	BDG	0
A-10-75	448.88	448.89	0.01	Moderate Cleavage	CLV	30
A-10-75	451.86	451.87	0.01	Moderate Cleavage	CLV	55
A-10-75	452.2	452.21	0.01	Weak Cleavage	CLV	80
A-10-75	452.22	452.23	0.01	Chevron M fold at to 150 to CA	FLT	150
A-10-75	452.35	452.36	0.01	Weak Cleavage	CLV	120
A-10-75	452.45	452.46	0.01	Weak Cleavage	CLV	90
A-10-75	452.55	452.56	0.01	Weak Cleavage	CLV	60
A-10-75	452.61	452.62	0.01	Weak Cleavage	CLV	80
A-10-75	452.8	452.81	0.01	Strong Cleavage	CLV	50
A-10-75	453.76	453.77	0.01	Moderate Cleavage	CLV	40
A-10-75	455.29	455.3	0.01	Moderate Cleavage	CLV	51
A-10-75	456.36	456.37	0.01	Weak Cleavage	CLV	14
A-10-75	457.44	461.52	4.08	Highly deformed core with a mirror like graphitic sheen. Core is extremely brittle and fractured containing micro fracture qtz-cal veinlets, no specific orientation. Upper contact cleavage at 50 to CA lower contact cleavage at 20 to CA.	FLT	50
A-10-75	464.28	464.29	0.01	Moderate Cleavage	CLV	60
A-10-75	464.81	467	2.19	Shear zone. Highly deformed host rock with Qtz-cal shear veins +/- dilation/crackle veinlets. Containing sections of highly fractured brittle core displaying a well defined graphitic sheen. Cleavage varies 10 to 25 to CA	FLT	10
A-10-75	467.33	467.34	0.01	Moderate Cleavage	CLV	40
A-10-75	467.96	468.92	0.96	Fractured brittle core with strong shear deformation. Cleavage display a well defined graphitic sheen at 10-30 to CA.	FLT	10-30
A-10-75	469.18	469.19	0.01	Weak Cleavage	CLV	10

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-75	469.5	471.62	2.12	Highly fractured fault with well developed fault gouge sections <25cm. Competent sections are rife with qtz-cal micro fractures/dilation veinlets, no specific orientation. Minor fine grained disseminated brassy py. Cleavage is shallow at 5-10 to CA with a well defined graphitic sheen along partings.	FLT	10
A-10-75	473.07	473.08	0.01	Moderate Cleavage	CLV	40
A-10-75	474.04	475.46	1.42	Fracture blocky core with minor fault gouge.	FLT	40
A-10-75	476	476.01	0.01	Moderate Cleavage	CLV	50
A-10-75	477.4	477.41	0.01	Silty beds with fine grained brassy py replacement.	BDG	90
A-10-75	479.08	479.09	0.01	Strong to Moderate Cleavage	CLV	35
A-10-75	481.27	489.62	8.35	Highly fractured core with well developed fault gouge <10cm sections throughout the entire fault zone. Core is extremely brittle and has a well defined graphitic sheen along partings. There is a qtz-stringer healed fault section <13cm at 485m. Continued after fault is a Large Qtz vein breccia.	FLT	30-50
A-10-75	493.92	493.93	0.01	Moderate Cleavage	CLV	50
A-10-75	494.1	494.11	0.01	Silty beds with fine grained brassy py replacement.	BDG	50
A-10-75	494.21	494.22	0.01	Moderate Cleavage	CLV	30
A-10-75	495.61	495.62	0.01	Weak Cleavage	CLV	8
A-10-75	495.86	495.87	0.01	Silty beds with fine grained brassy py replacement.	BDG	40
A-10-75	496.8	496.81	0.01	Weak Cleavage	CLV	40
A-10-75	497.6	497.61	0.01	Weak Cleavage	CLV	164
A-10-75	498.05	498.06	0.01	Silty beds with fine grained brassy py replacement.	BDG	60
A-10-75	500.46	500.47	0.01	Moderate Cleavage	CLV	15
A-10-75	501.28	501.29	0.01	Moderate Cleavage	CLV	16
A-10-75	504.03	504.04	0.01	Moderate Cleavage	CLV	13
A-10-75	504.53	504.54	0.01	Moderate Cleavage	CLV	5
A-10-75	507.32	507.33	0.01	Weak Cleavage	CLV	0
A-10-75	509.4	509.41	0.01	Weak Cleavage	CLV	9
A-10-75	510.11	510.12	0.01	Moderate Cleavage	CLV	15
A-10-75	512.88	512.89	0.01	Moderate Cleavage	CLV	13
A-10-75	516.48	516.49	0.01	Moderate Cleavage	CLV	16

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-75	517.98	517.99	0.01	Silty beds with fine grained brassy py replacement.	BDG	46
A-10-75	519.62	519.63	0.01	Moderate Cleavage	CLV	2
A-10-75	521.64	521.65	0.01	Silty beds with fine grained brassy py replacement.	BDG	115
A-10-75	522.82	522.83	0.01	Weak Cleavage	CLV	174
A-10-75	523.65	523.66	0.01	Weak Cleavage	CLV	140
A-10-75	524.29	524.3	0.01	Moderate Cleavage	CLV	10
A-10-75	525.27	525.28	0.01	Moderate Cleavage	CLV	20
A-10-75	528.07	528.08	0.01	Moderate Cleavage	CLV	14
A-10-75	532.23	532.24	0.01	Moderate Cleavage	CLV	25
A-10-75	534.58	534.59	0.01	Vein orientation +/- Cleavage	CLV	125
A-10-75	534.71	534.72	0.01	Weak Cleavage	CLV	50
A-10-75	535.21	535.22	0.01	Vein orientation +/- Cleavage	CLV	10
A-10-75	537.2	537.21	0.01	Vein orientation +/- Cleavage	CLV	40
A-10-75	537.82	537.83	0.01	Vein orientation +/- Cleavage	CLV	20
A-10-75	538.2	538.21	0.01	Moderate Cleavage	CLV	10
A-10-75	540.1	540.11	0.01	Moderate Cleavage	CLV	10
A-10-75	542.7	542.71	0.01	Weak Cleavage	CLV	30
A-10-75	542.96	542.96	0	Vein orientation +/- Cleavage	CLV	50
A-10-75	543	543.01	0.01	Vein orientation +/- Cleavage	CLV	160
A-10-75	546.86	546.87	0.01	Moderate Cleavage	CLV	19
A-10-75	549.61	549.62	0.01	S2 Weak cleavage	CLV	120
A-10-75	549.74	549.75	0.01	Moderate Cleavage	CLV	10
A-10-75	552.18	552.19	0.01	S3 weak cleavage	CLV	70
A-10-75	552.8	552.81	0.01	Moderate Cleavage	CLV	15
A-10-75	558.7	558.71	0.01	Moderate Cleavage	CLV	10
A-10-75	561.75	561.76	0.01	Moderate Cleavage	CLV	18
A-10-75	565.1	565.11	0.01	Moderate Cleavage	CLV	15
A-10-75	565.23	565.84	0.61	Highly fracture core with minor fault gouge and a well defined graphitic sheen along partings.	FLT	
A-10-75	568.33	568.34	0.01	Moderate Cleavage	CLV	17
A-10-75	570.83	570.84	0.01	Moderate Cleavage	CLV	25
A-10-75	574.62	574.63	0.01	Weak Cleavage	CLV	16
A-10-75	577.22	577.23	0.01	Weak Cleavage	CLV	23
A-10-75	578.18	578.19	0.01	Limy silty mudstone beds	BDG	20
A-10-75	579.61	579.61	0	Weak Cleavage	CLV	23
A-10-75	583.6	583.61	0.01	Moderate Cleavage	CLV	29
A-10-75	586.18	586.19	0.01	Weak Cleavage	CLV	25
A-10-75	589.46	589.47	0.01	Moderate Cleavage	CLV	22
A-10-75	590.07	590.08	0.01	Limy silty mudstone beds	BDG	30
A-10-75	591.93	591.98	0.05	Laminated brown brassy py with inter-laminated nodular barite.	BDG	40
A-10-75	592.7	592.71	0.01	S2 Weak cleavage	CLV	160

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-75	592.71	592.86	0.15	Laminated brown brassy py with inter-laminated nodular barite.	BDG	40
A-10-75	593.31	593.32	0.01	Moderate Cleavage	CLV	20
A-10-75	594.22	594.23	0.01	4cm Dextral movement along a vein at 20 to CA	FLT	20
A-10-75	594.46	594.47	0.01	Moderate Cleavage	CLV	14
A-10-75	595.05	595.06	0.01	1cm sinstral movement cross-cutting bedding plane at 10 to CA	FLT	10
A-10-75	595.27	595.28	0.01	Moderate Cleavage	CLV	31
A-10-75	595.82	595.83	0.01	Laminated brown brassy py with inter-laminated nodular barite.	BDG	80
A-10-75	596.79	596.8	0.01	Laminated brown brassy py with inter-laminated nodular barite.	BDG	120
A-10-75	598.72	598.73	0.01	Moderate Cleavage	CLV	18
A-10-75	599.32	599.33	0.01	1cm sinstral movement at 160 to CA	FLT	160
A-10-75	601.57	601.58	0.01	Weak Cleavage	CLV	30
A-10-75	601.68	601.69	0.01	Laminated brown brassy py with inter-laminated nodular barite.	BDG	90
A-10-75	603.49	603.5	0.01	Dull brown to grayish laminated sulphide beds with inter-laminated dull white nodular barite	BDG	65
A-10-75	603.53	603.54	0.01	Weak Cleavage	CLV	20
A-10-75	604.26	604.27	0.01	Weak Cleavage	CLV	20
A-10-75	605.31	605.32	0.01	Dull brown to grayish laminated sulphide beds with inter-laminated dull white nodular barite	BDG	155
A-10-75	605.36	605.37	0.01	4cm Dextral movement at 20 to CA	FLT	20
A-10-75	605.74	605.75	0.01	Dull brown to grayish laminated sulphide beds with inter-laminated dull white nodular barite	BDG	90
A-10-75	606	606.01	0.01	Dull brown to grayish laminated sulphide beds with inter-laminated dull white nodular barite	BDG	150
A-10-75	606.25	606.26	0.01	Weak Cleavage	CLV	13
A-10-75	607.23	607.24	0.01	Laminated py with nodular barite	BDG	60
A-10-75	607.62	607.63	0.01	Dull brown to grayish laminated sulphide beds with inter-laminated dull white nodular barite	BDG	145
A-10-75	610.23	610.24	0.01	Weak Cleavage	CLV	15
A-10-75	610.51	610.52	0.01	Dull brown to grayish laminated sulphide beds with inter-laminated dull white nodular barite	CLV	155

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-75	611.02	611.03	0.01	Dull brown to grayish laminated sulphide beds with inter-laminated dull white nodular barite	BDG	150
A-10-75	611.23	611.24	0.01	Dull brown to grayish laminated sulphide beds with inter-laminated dull white nodular barite	BDG	110
A-10-75	612.74	612.75	0.01	Dull brown to grayish laminated sulphide beds with inter-laminated dull white nodular barite	BDG	80
A-10-75	614.81	614.82	0.01	Weak Cleavage	CLV	22
A-10-75	615.36	615.37	0.01	Moderate Cleavage	CLV	13
A-10-75	615.61	615.96	0.35	Fractured fissile shale with minor fault gouge along cleavages.	FLT	16
A-10-75	616.53	616.54	0.01	Weak Cleavage	CLV	20
A-10-75	619.86	619.87	0.01	Weak Cleavage	CLV	12
A-10-75	622.78	622.79	0.01	Weak Cleavage	CLV	40
A-10-75	625.66	625.67	0.01	Weak Cleavage	CLV	9
A-10-75	628.28	628.29	0.01	Weak Cleavage	CLV	20
A-10-75	631.99	632	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers.	BDG	45
A-10-75	632.56	633.04	0.48	Fractured blocky core with weak fault gouge along partings with a well defined graphitic sheen. Within vein zone	FLT	70
A-10-75	634.05	634.25	0.2	Fractured blocky core with weak fault gouge along partings with a well defined graphitic sheen. Within alteration zone.	FLT	60
A-10-75	635.65	635.66	0.01	Moderate Cleavage	CLV	40
A-10-75	638	638.01	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers.	BDG	70
A-10-75	638.2	638.21	0.01	Moderate Cleavage	CLV	20
A-10-75	640.9	640.91	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers.	BDG	60
A-10-75	641.18	641.19	0.01	Moderate Cleavage	CLV	40
A-10-75	643.8	643.81	0.01	Moderate Cleavage	CLV	30
A-10-75	644.07	644.08	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers.	BDG	65
A-10-75	644.76	646	1.24	Fissile fractured core with weakly developed fault gouge along partings with a nice graphitic sheen.	FLT	25-30

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-75	646.47	646.84	0.37	Fractured fault affected core with a 3cm fault gouge seam. Fault at 30 to CA.	FLT	30
A-10-75	647.36	647.37	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers.	BDG	70
A-10-75	647.45	647.46	0.01	Weak Cleavage	CLV	65
A-10-75	650.24	650.25	0.01	Moderate Cleavage	CLV	30
A-10-75	653	653.01	0.01	Moderate Cleavage	CLV	25
A-10-75	654.29	654.3	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers.	BDG	90
A-10-75	654.6	654.61	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers.	BDG	130
A-10-75	654.79	654.8	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers.	BDG	170
A-10-75	654.89	654.9	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers.	BDG	45
A-10-75	654.9	654.91	0.01	Weak Cleavage	CLV	30
A-10-75	655.24	655.25	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers.	BDG	100
A-10-75	656.23	656.24	0.01	Moderate Cleavage	CLV	25
A-10-75	658.37	658.38	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers.	BDG	150
A-10-75	659.68	659.69	0.01	Weak Cleavage	CLV	22
A-10-75	659.84	659.85	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers.	BDG	150
A-10-75	662.33	662.34	0.01	Weak Cleavage	CLV	20
A-10-75	663.19	663.2	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers.	BDG	165
A-10-75	663.45	663.46	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers.	BDG	145
A-10-75	663.93	663.94	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers and mm steel gray laminations.	BDG	180

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-75	665.34	665.35	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers and mm steel gray laminations.	BDG	165
A-10-75	665.58	665.59	0.01	Moderate Cleavage	CLV	30
A-10-75	666.66	666.67	0.01	Moderate Cleavage	CLV	25
A-10-75	666.76	666.77	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers and mm steel gray laminations.	BDG	173
A-10-75	667.81	667.82	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers and mm steel gray laminations.	BDG	172
A-10-75	668.15	668.16	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers and mm steel gray laminations.	BDG	8
A-10-75	668.93	668.94	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers and mm steel gray laminations.	BDG	176
A-10-75	670.67	670.68	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers and mm steel gray laminations.	BDG	10
A-10-75	671.36	671.37	0.01	Weak Cleavage	CLV	40
A-10-75	672.05	672.06	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers and mm steel gray laminations.	BDG	15
A-10-75	674.27	674.28	0.01	Weak Cleavage	CLV	57
A-10-75	674.36	674.37	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers and mm steel gray laminations.	BDG	30
A-10-75	675.11	675.12	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers and mm steel gray laminations.	BDG	31
A-10-75	675.5	675.51	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers and mm steel gray laminations.	BDG	10

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-75	675.76	675.77	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers and mm steel gray laminations.	BDG	90
A-10-75	675.92	675.93	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers and mm steel gray laminations.	BDG	50
A-10-75	677.22	677.23	0.01	Weak Cleavage	CLV	50
A-10-75	677.23	677.24	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers and mm steel gray laminations.	BDG	50
A-10-75	680.48	680.49	0.01	Weak Cleavage	CLV	55
A-10-75	680.49	680.5	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers and mm steel gray laminations.	BDG	55
A-10-75	684.52	684.53	0.01	Moderate Cleavage	CLV	55
A-10-75	684.53	684.54	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers and mm steel gray laminations.	BDG	55
A-10-75	686.87	686.88	0.01	Massive laminated beds of brassy brown py with minor nodular barite with py replaced centers and mm steel gray laminations.	CLV	55
A-10-75	686.9	686.91	0.01	Moderate Cleavage	CLV	55
A-10-75	689.98	689.99	0.01	Sulphide laminations	BDG	55
A-10-75	689.99	690	0.01	Moderate Cleavage	CLV	55
A-10-75	692.52	692.53	0.01	Moderate Cleavage	CLV	40
A-10-75	696	696.01	0.01	Moderate Cleavage	CLV	35
A-10-75	698.39	698.4	0.01	Moderate Cleavage	CLV	31
A-10-75	700.18	700.19	0.01	Silty calcareous laminations with fine grained brassy py replacement.	BDG	55
A-10-75	700.53	701.34	0.81	Blocky fracture core with minor fault gouge along partings.	FLT	
A-10-75	701.84	701.85	0.01	Moderate Cleavage	CLV	55
A-10-75	701.85	701.86	0.01	Sulphide laminations	BDG	55
A-10-75	704.84	704.85	0.01	Sulphide laminations	BDG	50
A-10-75	704.85	704.86	0.01	Moderate Cleavage	CLV	50
A-10-75	705.01	705.59	0.58	Blocky fracture core with minor fault gouge along partings at 0 to CA.	FLT	0

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-75	706.13	707.65	1.52	Fractured blocky core with minor fault gouge along partings with competent section <10cm. Cleavage/ fault plane at 10 to CA	FLT	10
A-10-75	707.89	707.9	0.01	Moderate Cleavage	CLV	50
A-10-75	707.9	707.91	0.01	Sulphide laminations	BDG	50
A-10-75	711.11	711.12	0.01	Moderate Cleavage	CLV	50
A-10-75	711.23	711.24	0.01	Faint py laminations	BDG	50
A-10-75	712.05	712.06	0.01	Moderate Cleavage	CLV	
A-10-75	714.07	714.08	0.01	Silty calcareous laminations with fine grained brassy py replacement.	BDG	45
A-10-75	714.45	714.46	0.01	Moderate Cleavage	CLV	40
A-10-75	716.47	716.48	0.01	Moderate Cleavage	CLV	50
A-10-75	716.86	716.87	0.01	Silty calcareous laminations with fine grained brassy py replacement.	BDG	50
A-10-75	717.05	718.4	1.35	Fractured blocky core with minor fault gouge along cleavages competent core sections are 10cm with a well defined graphitic sheen along partings. First 30cm is fault gouge/rubble. Cleavage at 50 and 20 to CA.	FLT	20
A-10-75	721.12	721.13	0.01	Moderate Cleavage	CLV	45
A-10-75	721.28	721.29	0.01	Massive beds of nodular barite	BDG	55
A-10-75	722.22	722.23	0.01	Massive beds of nodular barite	BDG	60
A-10-75	723.3	723.31	0.01	Massive beds of nodular barite	BDG	45
A-10-75	726.79	726.8	0.01	Limestone debris flow bedding	BDG	60
A-10-75	727.36	727.37	0.01	Weak Cleavage	CLV	45
A-10-75	729.69	729.7	0.01	Limestone debris flow bedding	BDG	60
A-10-75	732.21	732.22	0.01	Moderate Cleavage	CLV	25
A-10-75	732.37	732.38	0.01	Laminated fine grained to vfg py	BDG	50
A-10-75	735.58	735.59	0.01	Moderate Cleavage	CLV	30
A-10-75	735.6	735.61	0.01	Laminated fine grained to vfg py	BDG	30
A-10-75	738.81	738.82	0.01	Moderate Cleavage	CLV	35
A-10-75	741.74	741.75	0.01	Weak Cleavage	CLV	30
A-10-75	744.29	744.3	0.01	Moderate Cleavage	CLV	50
A-10-75	747.89	747.9	0.01	Moderate Cleavage	CLV	35
A-10-75	747.9	747.91	0.01	Polymitic debris flow bedding	BDG	35
A-10-75	750.68	750.69	0.01	Weak Cleavage	CLV	10
A-10-75	753.74	753.75	0.01	Weak Cleavage	CLV	30
A-10-75	760.92	760.93	0.01	Moderate Cleavage	CLV	35
A-10-75	762.5	762.51	0.01	Moderate Cleavage	CLV	40
A-10-75	766.36	766.37	0.01	Moderate Cleavage	CLV	40
A-10-75	769.33	769.34	0.01	Moderate Cleavage	CLV	30
A-10-75	772.1	772.11	0.01	Moderate Cleavage	CLV	30

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-75	777.48	777.49	0.01	Moderate Cleavage	CLV	40

									7AX	7AX	7AX	7AX	7AX	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	WGHT	7AR.1
								10000	Mo	Cu	Pb	Zn	Ag	Ba	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Wgt	Pb
HOLE ID	FROM	TO	LENGTH	SAMPLE #	% SULPHIDES	% SHALE	STANDARDS	CERTIFICATE #	PPM	PPM	%	%	PPM	%	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	NONE	KG	%
A-10-75	627.49	628.49	1	853124	Tr	99		VAN10006051	52.3	52.1	0.007	0.0054	0.6	0.9501	94.4	12.8	61	3.42	31	16.1	5.2	127	0.6	12.9	<0.5	41	0.44	0.060	14.5	5.8	0.06	1173	0.005	0.50	<0.01	0.24	<0.5	0.12	1.0	3.0	3.88	<5	4	2.11127	2.26	
A-10-75				853125			STANDARD PB 129	VAN10006051	4.5	2838.1	1.23639	2.1154	24.8	0.0934	9.6	10.6	832	3.21	10	<0.5	1.1	61	114.5	35.9	0.8	31	0.92	0.079	9.2	22.4	1.36	168	0.099	1.80	0.05	0.22	<0.5	0.16	1.0	<0.5	1.77	<5	<2	N.A.	0.02	
A-10-75	628.49	629.91	1.42	853126	Tr	99		VAN10006051	37.0	30.9	0.00215	0.0734	<0.5	2.3461	58.7	8.0	120	1.92	21	9.9	3.4	427	8.9	10.5	<0.5	86	1.31	0.035	12.8	15.2	0.10	1803	0.004	0.26	<0.01	0.11	<0.5	0.10	1.0	1.8	1.96	<5	9	2.15256	3.13	
A-10-75	629.91	631.01	1.1	853127	Tr	99		VAN10006051	38.5	28.4	0.00193	0.0718	<0.5	2.6986	70.3	7.7	106	2.08	20	10.8	3.5	187	9.4	9.0	<0.5	92	0.64	0.041	12.8	16.5	0.09	2270	0.003	0.27	<0.01	0.11	<0.5	0.09	1.3	2.0	2.11	<5	10	2.13601	2.20	
A-10-75	631.01	631.71	0.7	853128	Tr	99		VAN10006051	28.0	27.5	0.00672	0.1557	0.7	1.9502	75.2	7.4	155	2.26	21	7.6	4.6	350	14.7	8.3	<0.5	82	1.21	0.074	15.0	14.9	0.19	1773	0.008	0.34	<0.01	0.15	<0.5	0.12	1.1	2.1	2.28	<5	12	2.20949	1.90	
A-10-75	631.71	632.56	0.85	853129	50	50		VAN10006051	33.9	73.6	0.05333	0.4926	4.5	2.126	98.7	6.5	154	10.38	70	4.6	3.2	37	36.2	47.4	<0.5	49	0.26	0.046	12.7	5.5	0.04	180	0.003	0.82	<0.01	0.15	<0.5	0.63	0.7	18.0	11.99	<5	25	2.56608	2.13	
A-10-75			0	853130			BLANK	VAN10006051	0.5	13.4	0.0005	0.0037	<0.5	0.101	3.1	2.7	541	1.46	<5	1.7	5.6	9	<0.5	<0.5	<0.5	13	0.12	0.012	7.1	12.2	0.22	131	0.074	0.63	0.10	0.29	<0.5	<0.05	2.7	<0.5	<0.05	<5	<2	N.A.	0.02	
A-10-75	632.56	633.63	1.07	853131	20	80		VAN10006051	20.9	49.0	0.05256	0.4541	4.1	1.4816	69.5	5.5	188	7.03	55	1.9	3.9	229	33.0	37.2	<0.5	46	1.01	0.040	14.9	7.0	0.10	275	0.003	0.42	<0.01	0.18	<0.5	0.65	0.7	15.5	7.85	<5	17	2.63842	2.37	
A-10-75	633.63	635.2	1.57	853132	1	99		VAN10006051	4.3	12.7	0.0081	0.3468	0.7	0.6722	25.0	2.1	158	1.73	11	0.6	0.9	454	24.4	5.1	<0.5	26	2.16	0.019	4.4	14.3	0.20	3346	0.002	0.14	<0.01	0.07	<0.5	0.31	0.5	4.4	1.80	<5	6	2.42297	3.39	
A-10-75	635.2	636.31	1.11	853133	Tr	99		VAN10006051	32.6	54.6	0.02741	0.7647	4.7	1.0119	105.0	8.8	76	3.63	54	6.1	5.2	142	48.6	15.8	<0.5	138	0.83	0.206	23.9	16.3	0.06	852	0.006	0.58	<0.01	0.25	<0.5	0.20	1.1	5.8	4.67	<5	27	2.30663	2.57	
A-10-75	636.31	637	0.69	853134	75	25		VAN10006051	38.2	62.6	0.10639	0.5977	9.3	1.1055	96.7	5.4	218	10.47	85	3.5	3.9	110	41.0	35.8	<0.5	47	0.43	0.045	15.5	5.8	0.05	164	0.005	0.50	<0.01	0.20	<0.5	0.40	<0.5	25.0	11.98	<5	27	2.66287	1.85	
A-10-75	637	638.07	1.07	853135	60	40		VAN10006051	47.1	48.7	0.16839	1.0618	5.9	0.9534	118.7	5.0	345	14.47	111	3.5	3.4	133	70.1	34.6	<0.5	44	0.74	0.044	12.2	7.0	0.07	133	0.009	0.46	<0.01	0.20	<0.5	0.45	1.3	33.9	17.15	<5	27	2.80389	2.83	
A-10-75	638.07	638.55	0.48	853136	Tr	99		VAN10006051	9.0	15.0	0.01749	0.1788	0.6	1.2961	47.1	6.9	84	1.50	14	2.0	6.5	53	11.5	3.0	<0.5	47	0.39	0.064	24.2	5.2	0.15	3586	0.005	0.68	<0.01	0.26	<0.5	0.07	1.4	2.5	1.73	<5	6	2.45586	1.19	
A-10-75	638.55	639.53	0.98	853137	70	30		VAN10006051	39.6	45.2	0.14621	0.9304	4.9	1.3404	98.4	5.3	543	12.63	86	3.2	2.8	345	59.0	28.2	<0.5	46	2.77	0.043	10.5	6.1	0.32	133	0.004	0.53	<0.01	0.17	<0.5	0.30	1.7	26.4	15.02	<5	25	2.74214	2.66	
A-10-75	639.53	640.27	0.74	853138	1	99		VAN10006051	8.0	14.5	0.01727	0.1218	<0.5	1.4574	42.0	5.0	1132	1.52	13	1.9	5.3	540	7.6	2.8	<0.5	100	6.48	0.085	23.0	6.5	0.36	4851	0.005	0.64	0.01	0.22	<0.5	<0.05	2.1	1.7	1.51	<5	7	2.40836	1.76	
A-10-75	640.27	641.27	1	853139	52	48		VAN10006051	48.0	65.4	0.14059	1.3972	5.7	1.3684	115.5	7.1	441	12.33	85	4.6	8.2	174	88.4	32.2	<0.5	59	1.51	0.090	28.4	8.2	0.36	161	0.005	0.58	<0.01	0.21	<0.5	0.26	2.5	29.7	14.19	<5	29	2.68148	2.72	
A-10-75				853140			COARSE DUPLICATE OF 853139	VAN10006051	46.7	64.4	0.14525	1.3374	5.8	1.3724	125.1	7.2	433	12.66	91	4.5	7.2	157	78.4	34.2	<0.5	53	1.31	0.076	23.7	8.1	0.31	143	0.005	0.53	<0.01	0.19	<0.5	0.35	1.9	31.0	14.82	<5	31	2.66752		
A-10-75	641.27	641.86	0.59	853141	Tr	99		VAN10006051	14.2	13.0	0.01398	0.2264	<0.5	1.2143	49.3	6.2	149	1.59	12	2.9	6.3	316	14.6	3.7	<0.5	52	1.90	0.068	29.7	5.6	0.24	3399	0.004	0.58	<0.01	0.24	<0.5	<0.05	1.9	2.3	1.71	<5	9	2.39211	1.55	
A-10-75	641.86	642.74	0.88	853142	75	25		VAN10006051	50.0	60.0	0.16204	0.8565	6.5	1.1137	110.4	4.9	476	13.70	101	3.6	2.4	208	56.7	42.7	<0.5	45	3.05	0.043	8.7	6.6	0.15	129	0.003	0.49	<0.01	0.16	<0.5	0.30	1.4	31.0	16.39	<5	34	2.76957	2.20	
A-10-75	642.74	643.29	0.55	853143	Tr	99		VAN10006051	35.2	19.4	0.02202	0.4503	0.6	0.6725	76.9	6.1	268	1.93	18	6.9	4.5	857	29.2	5.4	<0.5	65	5.65	0.092	20.3	4.3	0.34	1307	0.004	0.39	<0.01	0.21	<0.5	<0.05	2.2	2.5	2.16	<5	16	2.2754	1.35	
A-10-75	643.29	644.76	1.47	853144	35	65		VAN10006051	35.2	55.8	0.11501	0.5735	5.1	0.8809	101.7	5.9	290	10.75	82	2.7	4.0	121	37.0	31.2	<0.5	40	0.89	0.029	13.6	6.1	0.22	150	0.003	0.38	<0.01	0.21	<0.5	0.23	1.4	22.1	12.38	<5	23	2.6801	3.59	
A-10-75	644.76	646.6	1.84	853145	10	90		VAN10006051	30.3	45.2	0.05616	0.3865	2.9	1.3299	83.0	6.9	225	4.90	43	3.1	3.8	247	24.7	18.5	<0.5	51	1.65	0.016	14.7	4.7	0.40	431	0.003	0.36	<0.01	0.20	<0.5	<0.05	1.9	9.6	5.74	<5	20	2.4003	3.10	
A-10-75	646.6	647.98	1.38	853146	20	80		VAN10006051	20.5	43.0	0.03793	0.3677	3.5	4.1049	69.3	4.7	374	7.64	48	1.9	2.6	1194	23.3	19.4	<0.5	41	3.71	0.030	10.1	6.5	0.50	189	0.003	0.29	<0.01	0.15	<0.5	0.11	2.2	12.5	8.48	<5	16	2.60107	3.52	
A-10-75	647.98	648.91	0.93	853147	65	35		VAN10006051	38.1	81.9	0.10561	0.6554	6.7	1.4167	110.7	5.1	290	15.71	94	2.5	2.4	214	38.6	37.7	<0.5	41	0.63	0.026	8.8	6.5	0.08	99	0.004	0.34	<0.01	0.17	<0.5	0.36	1.0	30.1	18.61	<5	29	2.81855	2.73	
A-10-75	648.91	650.46	1.55	853148	Tr	99		VAN10006051	8.5	24.7	0.00372	0.1443	0.7	0.9016	57.5	8.0	109	1.92	12	1.5	6.9	127	8.7	6.1	<0.5	40	0.71	0.057	22.8	4.6	0.25	1248	0.004	0.50	<0.01	0.27	<0.5	<0.05	2.3	3.1	2.14	<5	10	2.42998	3.62	
A-10-75	650.46	651.73	1.27	853149	Tr	99		VAN10006051	8.4	29.3	0.00165	0.1566	0.5	0.8879	56.3	8.1	126	1.86	10	1.6	7.2	199	8.3	6.3	<0.5	42	0.99	0.065	25.6	5.2	0.26	851	0.004	0.51	<0.01	0.28	<0.5	<0.05	2.5	2.9	2.10	<5	10	2.43521	3.09	
A-10-75				853150			STANDARD PB 118	VAN10006051	21.3	6623.0	3.51428	2.7016	77.6	0.0847	13.9	14.9	1221	4.20	61	1.1	3.1	15	102.0	280.0	8.0	25	0.27	0.018	5.9	10.1	0.30	248	0.084	0.54	0.07	0.36	1.1	6.40	2.8	9.0	4.09	<5	4	N.A.	0.02	
A-10-75	651.73	653.65	1.92	853151	Tr	99		VAN10006051	8.8	27.3	0.00245	0.1683	0.6	0.9134	56.9	7.4	124	1.67	9	1.6	6.7	229	10.1	6.1	<0.5	43	1.19	0.069	25.7	5.6	0.28	1123	0.004	0.51	<0.01	0.28	<0.5	<0.05	1.9	3.0	1.91	<5	6	2.42409	3.36	
A-10-75	653.65	654.2	0.55	853152	Tr	99		VAN10006051	7.6	21.8	0.00353	0.1582	0.6	1.87	39.3	5.1	338	2.39	9	1.9	5.6	472	9.3	4.1	<0.5	46	2.44	0.071	19.4	6.2	0.68	1465	0.004	0.57	<0.01	0.19	<0.5	<0.05	3.2	2.6	2.56	<5	11	2.4816	1.39	
A-10-75	654.2	655.23	1.03	853153	50	50		VAN10006051	35.8	104.5	0.07437	0.7114	7.6	1.8537	106.3	5.7	327	14.22	86	2.7	2.5	573	42.0	56.9	<0.5	42	1.54	0.039	8.4	5.0	0.17	91	0.003	0.34	<0.01	0.16	<0.5	0.32	1.7	32.9	16.90	<5	29	2.88399	2.61	
A-10-75	655.23	656.8	1.57	853154	Tr	99		VAN10006051	12.3	14.1	0.0033	0.1757	<0.5	1.6844	65.2	7.5	104	1.77	9	2.6	6.1	138	10.2	5.0	<0.5	52	0.77	0.069	21.9	6.7	0.23	2459	0.004	0.80	<0.01	0.24	<0.5	<0.05	2.6	3.5	1.93	<5	9	2.47763	3.25	
A-10-75	656.8	658.29	1.49	853155	Tr	99		VAN10006051	12.7	15.4	0.00327	0.2671	<0.5	2.6032	62.8	7.5	132	1.74	10	2.8	4.8	89	14.9	5.5	<0.5	62	0.63	0.067	22.9	5.5	0.28	1711	0.003	0.99	<0.01	0.20	<0.5	0.06	2.2	3.4	1.59	<5	11	2.49452	3.34	
A-10-75	658.29	659.42	1.13	853156	90	10		VAN10006051	36.3	87.7	0.11113	1.5926	5.4	3.6992	101.3	3.7	429	17.79	94	2.8	0.8	344	90.1	82.9	<0.5	91	2.03	0.027	4.0	4.2	0.14	82	0.002	0.30	<0.01	0.10	<0.5	0.53	1.7	58.2	20.23	<5	47	2.9094	3.17	
A-10-75	659.42	659.84	0.42	853157	Tr	99		VAN10006051	31.9	14.6	0.00662	0.189	<0.5	2.076	80.9	8.8	152	1.91	11	8.4	5.5	85	11.1	6.6	<0.5	112	0.36	0.049	22.5	7.2	0.23	1398	0.004	0.70	<0.01	0.25	<0.5	0.08	3.0	4.9	1.99	<5	12	2.19206	1.01	
A-10-75	659.84	660.69	0.85	853158	75	25		VAN10006051	27.0	49.8	0.09209	0.8538	4.0	3.5711	85.6	4.4	286	12.98	69	2.2	1.6	178	50.3	54.3	<0.5	68	0.58	0.016	7.7	4.9	0.13	148	0.002	0.38	<0.01	0.13	<0.5	0.33	1.6	36.9	14.31	<5	40	2.73179	2.19	
A-10-75	660.69	661.61	0.92	853159	59	41		VAN10006051	25.1	74.1	0.06187	0.9075	2.6	4.8745	93.4	6.3	291	8.72	46	2.4	2.1	353	48.8	42.1	<0.5	68	1.65	0.014	9.2	5.3	0.29	311	0.003	0.46	<0.01	0.16	<0.5	0.25	1.7	23.8	9.18	<5	34	2.6928	2.41	
A-10-75				853160			BLANK	VAN10006051	0.6	12.9	0.00038	0.0027	<0.5	0.1002	1.2	2.2	479	1.54	<5	1.4	4.4	9	<0.5	<0.5	<0.5	15	0.12	0.017	7.4	11.7	0.21	124	0.081	0.58	0.09	0.28	<0.5	<0.05	3.0	<0.5	<0.05	<5	<2	N.A.	0.02	
A-10-75	661.61	662.58	0.97	853161	Tr	99		VAN10006051	22.1	9.3	0.00569	0.2172	<0.5	3.0003	69.0	7.6	140	1.52	6	5.4	4.1	495	11.7	4.0	<0.5	84	1.46	0.018	21.5	6.0	0.28	2818	0.003	0.58	<0.01	0.22	<0.5	<0.05	2.1	2.5	1.25	<5	13	2.2512	2.02	
A-10-75	662.58	663.33	0.75	853162	3	97		VAN10006051	23.5	21.6	0.01544	0.4645	<0.5	2.1851	85.4	8.7	129	2.18	10	4.2	4.5	122	25.6	8.3	<0.5	74	0.57	0.020	17.7	5.3	0.25	948	0.003	0.58	<0.01	0.23	<0.5	0.10	2.3	4.9	2.39	<5	18	2.29	1.71	
A-10-75	663.33	664.24	0.91	853163	90	10		VAN10006051	30.9	91.1	0.07609	1.2187	3.0	7.8679	106.1	6.4	530	11.18	57	3.5	1.0	495	67.1	57.0	<0.5	66	2.98	0.010	4.8	3.9	0.24	176	0.003	0.33	<0.01	0.12	<0.5	0.28	2.0	39.0	11.32	<5	59	2.78052	1.91	
A-10-75	664.24	665.05	0.81	853164	Tr	99		VAN10006051	6.8	12.8	0.00741	0.0264	<0.5	3.2286	33.0	4.9	241	1.64	7	2.2	4.0	406	1.2	4.1	<0.5	59	1.09	0.017	16.5	5.9	0.29	2288	0.002	0.53	<0.01	0.20	<0.5	<0.05	2.3	2.5	1.19	<5	10	2.43466	1.91	
A-10-75	665.05	665.88	0.83	853165	75	25		VAN10006051	37.9	79.3	0.07053	0.9264	2.6	3.7831	128.9	8.3	224	8.80	45	4.2	2.9	464	51.2	48.3	<0.5	88	0.92	0.027	11.5	5.1	0.15	231	0.004	0.50	<0.01	0.19	<0.5	0.21	1.5	29.4	9.69	<5	58	2.54891	2.16	
A-10-75	665.88	666.66	0.78	853166	Tr	99		VAN10006051	9.2	7.5	0.01294	0.0385	<0.5	2.0611	36.7	5.6	117	1.53	6	3.2	5.0	75	1.3	3.3	<0.5	80	0.41	0.034	21.9	5.9	0.23	2447	0.003	0.79	<0.01	0.21	<0.5	<0.05	2.1	3.0	1.42	<5	8	2.49962	1.82	
A-10-75	666.66	667.73	1.07	853167	80	20		VAN10006051	37.3	72.7	0.13647	1.4354	4.1	3.3348	104.9	5.6	348	13.53	56	3.7	1.7	333	74.5	69.5	<0.5	110	1.72	0.020	7.1	6.0	0.16	95	0.003	0.40	<0.01	0.15	0.6	0.34	1.8	47.6	15.57	<5	67	2.74765	2.70	
A-10-75	667.73	668.77	1.04	853168	90	10		VAN10006051	28.3	69.2	0.11757	2.6141	3.3	7.7252	93.6	7.4	315	11.49	34	4.0	0.9	736	126.7	50.4	<0.5	86	2.36	0.019	5.1	4.3	0.23	153	0.002	0.31	<0.01	0.11	<0.5	0.44	2.4	45.5	12.53	<5	51	2.82481	2.41	
A-10-75	668.77	669.88	1.11	853169	90	10		VAN10006051	30.4	65.6	0.14866	2.4525	3.7	7.3643	89.6	5.1	352	12.83	43	4.2	1.1	672	117.8	60.4	<0.5	95	2.42	0.034	5.7	4.6	0.21	126	0.003	0.28	<0.01	0.10	<0.5	0.41	2.3	53.2	14.18	<5	55	2.83453	2.82	
A-10-75				853170			PULP DUPLICATE OF 853169	VAN10006051	30.7	66.3	0.14692	2.4158	3.6	7.277	88.9	5.3	351	12.71	43	4.2	1.1	684	118.5	60.4	<0.5	94	2.42	0.033	5.7	5.1	0.21	230	0.003	0.26	<0.01	0.10	<0.5	0.43	2.0	53.8	14.09	<5	59	2.87542		
A-10-75	669.88	670.86	0.98	853171	90	10		VAN10006051	29.1	61.5	0.13995	2.4784	3.2	7.7718	94.2	6.2	302	11.56	37	4.7	1.4	660	119.4	52.8	<0.5	100	2.20	0.036	6.9	5.4	0.22	192	0.003	0.28	<0.01	0.12	<0.5	0.43	2.8	51.4	12.52	<5	57	2.7873	2.32	
A-10-75	670.86	671.82	0.96	853172	Tr	99		VAN10006051	10.1	6.7	0.02121	0.0146	<0.5	6.2556	33.3	4.7	213	1.50	6	3.9	4.8	1300	0.6	3.2	<0.5	69	1.62	0.052	31.2	5.8	0.39	8937	0.004	0.80	<0.01	0.16	<0.5	<0.05	3.1	2.8	0.64	<5	11	2.44721	2.32	
A-10-75	671.82	672.45	0.63	853173	40	60		VAN10006051	36.7	79.4	0.09056	0.881	2.7	3.0782	123.5	8.1	227	9.28	45	4.1	3.2	162	46.2	47.6	<0.5	81	0.46	0.036	12.5	5.3	0.14	201	0.004	0.44	<0.01	0.16	<0.5	0.18	1.6	33.8	10.34	<5	53	2.5229	1.43	
A-10-75	672.45	673.22	0.77	853174	25	75		VAN10006051	21.5	56.2	0.06951	1.0727	2.0	3.5689	80.9	5.9	235	7.27	35	2.8	3.5	505	53.0	30.8	<0.5	75	0.97	0.041	14.4	6.6	0.24	324	0.004	0.54	<0.01	0.19	<0.5	0.20	2.1	28.0	7.94	<5	32	2.58388	1.93	
A-10-75	673.22	673.87	0.65	853175	1	99		VAN10006051	22.6	11.9	0.02525	0.6117	<0.5	1.438	79.9	7.4	77	1.57	8	5.5	5.5	78	28.8	5.0	<0.5	81	0.38	0.070	21.5	7.0	0.17	1857	0.004	0.41	<0.01	0.22	<0.5	0.11	1.9	4.3	2.00	<5	16	2.24415	1.53	
A-10-75	673.87	674.91	1.04	853176	40	60		VAN10006051	25.7	56.1	0.10691	1.1166	3.1	3.8343	90.3	5.6	317	10.46	49	2.8	2.2	639	54.4	41.6	<0.5	73	1.30	0.030	8.5	5.3	0.21	179	0.003	0.27	<0.01	0.13	0.5	0.25	2.2	37.1	11.66	<5	31	2.7013	2.62	
A-10-75	674.91	675.92	1.01	853177	99	1		VAN10006051	38.3	84.4	0.20061	2.8109	5.5	4.9594	99.2	3.5	387	19.07	86	3.1	0.7	83	130.9	74.0	<0.5	105	0.89	0.011	3.0	7.0	0.15	93	0.002	0.17	<0.01	0.09	0.5	0.54	2.8	81.3	22.12	<5	51	3.09179	3.06	
A-10-75	675.92	676.81	0.89	853178	30	70		VAN10006051	22.3	37.2	0.12686	1.3907	2.6	4.3678	79.1	6.0	291	7.61	32	3.4	2.9	496	61.0	26.5	<0.5	79	1.24	0.025	12.4	6.9	0.22	254	0.003	0.38	<0.01	0.17	<0.5	0.30	2.5	35.7	8.41	<5	26	2.58464	2.14	
A-10-75	676.81	677.89	1.08	853179	10	90		VAN10006051	20.5	34.5	0.08989	1.1063	1.4	5.328	73.5	5.6	229	5.14	22	4.0	3.9	1118	53.2	20.9	<0.5	71	1.39	0.036	17.0	5.8	0.28	429	0.003	0.60	<0.01	0.18	<0.5	0.19	2.5	21.7	5.21	<5	23	2.53481	2.48	
A-10-75				853180			STANDARD PB 118	VAN10006051	21.9	6370.2	3.43227	2.8762	79.0	0.0853	12.7	14.8	1116	4.34	60	1.0	2.7	14	103.9	252.7	6.7	35	0.27	0.024	5.8	10.9	0.27	239	0.088	0.56	0.07	0.35	1.1	5.92	2.8	8.3	4.07	<5	4	N.A.	0.02	
A-10-75	677.89	678.87	0.98	853181	90	10		VAN10006051	29.6	56.2	0.25217	2.6112	4.2	5.0596	81.1	4.6	347	13.29	49	3.8	1.3	341	126.8	50.6	<0.5	100	0.84	0.023	6.3	6.2	0.18	133	0.002	0.36	<0.01	0.11	<0.5	0.49	2.5	72.2	15.49	<5	46	2.92323	2.70	
A-10-75	678.87	680.05	1.18	853182	90	10		VAN10006051	24.0	37.4	0.23227	2.1976	4.1	11.9015	65.8	3.7	308	11.10	46	2.6	1.0	227	110.4	32.0	<0.5	92	2.06	0.014	5.1	6.3	0.21	148	0.001	0.39	<0.01	0.09	<0.5	0.47	3.2	64.2	11.24	<5	32	3.02456	2.77	
A-10-75	680.05	680.73	0.68	853183	80	20		VAN10006051	24.7	39.3	0.42503	4.6129	6.2	6.5848	75.0	3.5	603	14.41	62	2.4	0.8	370	221.4	32.2	<0.5	81	2.95	0.023	3.7	6.7	0.29	338	0.002	0.26	<0.01	0.08	<0.5	0.89	3.2	98.6	17.39	<5	26	3.13614	1.88	
A-10-75	680.73	681.61	0.88	853184	10	90		VAN10006051	21.8	35.3	0.1239	1.0791	1.8	3.4056	86.5	7.8	149	4.25	24	3.8	4.5	414	55.0	12.5	<0.5	74	0.51	0.047	17.1	7.2	0.16	577	0.003	0.67	<0.01	0.21	<0.5	0.22	2.7	22.4	4.64	<5	16	2.46207	2.27	
A-10-75	681.61	682.8	1.19	853185	70	30		VAN10006051	25.1	46.3	0.34735	3.1895	6.2	4.7381	80.0	5.1	359	10.76	55	2.8	2.1	469	173.8	31.6	<0.5	83	1.22	0.038	8.8	7.3	0.19	188	0.004	0.74	<0.01	0.14	<0.5	0.73	2.8	75.3	12.69	<5	23	2.81753	2.88	
A-10-75	682.8	683.65	0.85	853186	Tr	99		VAN10006051	21.9	35.4	0.09631	0.5718	2.7	1.5815	86.5	6.6	108	2.92	36	3.8	3.3	795	38.0	8.7	<0.5	129	0.88	0.140	10.7	15.2	0.10	726	0.005	0.45	<0.01	0.22	<0.5	0.14	1.5	9.3	3.13	<5	17	2.22568	2.05	
A-10-75	683.65	684.96	1.31	853187	25	75		VAN10006051	33.0	51.9	0.39556	2.2824	6.7	1.9707	88.1	5.7	400	13.47	80	3.0	2.5	251	133.3	24.0	<0.5	76	0.91	0.041	8.3	7.7	0.19	95	0.004	0.37	<0.01	0.17	<0.5	0.71	2.0	73.7	16.03	<5	24	2.71066	2.61	
A-10-75	684.96	686	1.04	853188	30	70		VAN10006051	31.3	42.5	0.23097	1.5011	4.3	1.9114	95.0	6.6	394	8.91	52	3.7	6.7	349	90.5	17.8	<0.5	81	1.14	0.076	21.9	9.1	0.29	190	0.005	0.50	<0.01	0.20	<0.5	0.47	2.5	46.9	10.47	<5	19	2.52122	2.54	
A-10-75	686	686.53	0.53	853189	80	20		VAN10006051	41.6	53.5	0.27081	1.6662	6.6	1.6736	107.7	4.6	377	15.47	91	3.6	2.1	122	99.2	33.6	<0.5	80	0.40	0.035	8.3	7.1	0.13	109	0.004	0.40	<0.01	0.15	<0.5	0.54	1.7	78.9	18.17	<5	27	2.73103	1.46	
A-10-75				853190			BLANK	VAN10006051	<0.5	14.8	0.00054	0.0041	<0.5	0.0996	2.4	2.6	502	1.51	<5	1.5	5.2	12	<0.5	<0.5	<0.5	17	0.14	0.018	10.2	13.3	0.20	138	0.079	0.58	0.09	0.30	<0.5	<0.05	2.6	<0.5	<0.05	<5	<2	N.A.	0.02	
A-10-75	686.53	687.05	0.52	853191	20	80		VAN10006051	25.8	32.2	0.14192	1.2741	2.8	2.3254	80.6	6.0	255	7.15	45	4.5	4.5	163	75.5	13.7	<0.5	77	0.63	0.070	15.9	8.1	0.23	263	0.004	0.74	<0.01	0.20	<0.5	0.40	1.9	39.9	8.36	<5	17	2.42509	1.30	
A-10-75	687.05	687.7	0.65	853192	75	25		VAN10006051	33.5	40.2	0.27801	1.5261	6.0	3.196	91.8	4.4	414	15.26	94	3.2	1.5	358	85.8	28.0	<0.5	79	0.79	0.045	7.5	7.6	0.20	114	0.004	0.67	<0.01	0.15	<0.5	0.59	1.5	74.5	17.71	<5	28	2.78023	1.92	
A-10-75	687.7	688.37	0.67	853193	25	75		VAN10006051	32.3	58.0	0.17954	1.1811	5.3	1.7601	96.1	6.1	310	11.16	75	3.0	3.6	157	71.4	31.2	<0.5	83	0.70	0.045	12.5	8.1	0.25	160	0.004	0.59	<0.01	0.20	<0.5	0.44	1.9	55.2	13.05	<5	29	2.57007	1.60	
A-10-75	688.37	688.84	0.47	853194	Tr	99		VAN10006051	24.5	16.4	0.07282	0.6325	1.0	1.3386	91.0	8.5	103	1.57	11	5.0	5.9	143	40.1	3.8	<0.5	91	0.72	0.086	19.7	8.7	0.12	2569	0.005	0.60	<0.01	0.27	<0.5	0.19	1.3	5.4	2.00	<5	12	2.18498	1.14	
A-10-75	688.84	689.76	0.92	853195	40	60		VAN10006051	31.8	48.2	0.15787	0.7247	3.9	2.6083	86.7	6.0	257	8.51	64	2.9	3.5	398	45.4	22.4	<0.5	84	0.62	0.050	12.0	8.8	0.20	172	0.006	0.66	<0.01	0.21	<0.5	0.34	1.7	47.2	9.65	<5	19	2.73202	2.30	
A-10-75	689.76	690.52	0.76	853196	75	25		VAN10006051	27.7	36.2	0.66001	4.4615	9.6	6.063	74.7	4.2	468	14.57	90	2.4	0.9	459	247.3	23.0	<0.5	88	0.95	0.032	5.1	8.7	0.19	203	0.003	0.73	<0.01	0.14	<0.5	1.40	1.9	119.3	17.55	<5	23	3.11684	2.12	
A-10-75	690.52	691.36	0.84	853197	50	50		VAN10006051	24.8	72.7	1.51746	10.0769	13.4	3.2637	78.4	4.5	479	9.80	62	3.7	1.5	477	530.1	40.6	<0.5	79	1.09	0.032	7.3	14.6	0.35	142	0.003	0.61	<0.01	0.15	<0.5	2.34	1.8	170.5	15.59	<5	28	2.94693	2.35	
A-10-75	691.36	692.81	1.45	853198	Tr	99		VAN10006051	17.7	29.8	0.13804	0.203	1.0	0.7093	77.0	7.6	172	1.84	16	3.7	6.4	314	12.9	9.5	<0.5	91	1.21	0.072	18.4	8.1	0.34	1620	0.006	0.62	<0.01	0.33	<0.5	0.11	2.4	6.0	1.98	<5	16	2.46323	3.24	
A-10-75	692.81	694.09	1.28	853199	Tr	99		VAN10006051	19.0	33.8	0.02723	0.25	0.5	0.6935	73.9	8.4	192	1.98	17	3.9	7.3	263	15.7	7.6	<0.5	88	1.47	0.079	20.5	8.6	0.44	1057	0.006	0.63	<0.01	0.36	<0.5	0.10	3.3	4.7	2.07	<5	9	2.47151	3.08	
A-10-75				853200			COARSE DUPLICATE OF 853199	VAN10006051	19.1	34.3	0.02663	0.2462	0.6	0.7176	74.6	9.2	189	1.97	15	4.3	7.6	258	15.6	7.2	<0.5	91	1.46	0.080	20.7	8.8	0.45	1112	0.005	0.66	<0.01	0.36	<0.5	0.07	3.2	4.5	2.05	<5	9	2.45258		
A-10-75	694.09	695.44	1.35	853201	Tr	99		VAN10006051	18.9	40.2	0.0207	0.2029	0.5	0.7253	72.1	8.0	212	2.01	16	4.2	7.2	312	12.3	8.3	<0.5	91	1.76	0.081	17.9	8.5	0.48	1294	0.005	0.65	<0.01	0.37	<0.5	0.09	2.9	5.0	2.10	<5	7	2.45664	3.04	
A-10-75	695.44	696.76	1.32	853202	Tr	99		VAN10006051	18.7	43.1	0.02008	0.2152	0.6	0.6719	71.1	8.2	190	1.95	15	4.4	6.8	313	13.9	8.3	<0.5	99	1.73	0.085	18.3	9.3	0.46	1223	0.006	0.71	<0.01	0.38	<0.5	0.07	3.3	4.8	2.04	<5	11	2.42487	3.06	
A-10-75	696.76	698.39	1.63	853203	Tr	99		VAN10006051	18.6	33.7	0.02494	0.2527	0.5	0.7122	73.8	8.0	195	1.95	13	4.1	6.8	384	16.3	8.1	<0.5	96	1.98	0.084	17.4	7.6	0.49	1353	0.006	0.67	<0.01	0.33	<0.5	0.09	3.4	4.2	2.12	<5	10	2.48726	3.48	
A-10-75	698.39	699.4	1.01	853204	Tr	99		VAN10006051	16.2	20.7	0.03219	0.2778	0.5	0.7795	70.2	7.3	205	1.79	11	4.1	6.5	345	16.1	6.9	<0.5	86	1.91	0.082	16.7	7.7	0.49	1576	0.006	0.60	<0.01	0.30	<0.5	0.09	2.8	4.2	2.00	<5	8	2.43728	2.32	
A-10-75	699.4	700.28	0.88	853205	Tr	99		VAN10006051	16.0	21.9	0.08973	0.324	0.6	0.9862	65.5	7.2	280	1.92	9	3.9	6.7	417	20.6	6.7	<0.5	81	2.14	0.085	17.9	7.7	0.58	2236	0.006	0.57	<0.01	0.30	<0.5	0.11	3.1	4.6	2.20	<5	12	2.45063	2.06	
A-10-75	700.28	701.34	1.06	853206	90	10		VAN10006051	18.8	67.7	1.25333	7.1625	16.1	2.7839	68.5	3.4	1100	16.68	55	2.5	1.0	382	454.4	53.3	<0.5	79	0.95	0.015	4.4	5.1	0.25	86	0.003	0.32	<0.01	0.13	<0.5	2.27	1.5	118.7	22.14	<5	35	3.09094	1.92	
A-10-75	701.34	702.29	0.95	853207	75	25		VAN10006051	22.9	47.6	1.41427	7.0131	13.7	4.9978	60.0	4.2	521	11.17	38	3.7	2.0	445	416.5	33.1	<0.5	103	0.64	0.025	9.0	6.9	0.24	196	0.003	0.61	<0.01	0.12	<0.5	2.18	2.5	127.4	15.30	<5	36	2.98473	2.64	
A-10-75	702.29	703.32	1.03	853208	90	10		VAN10006051	25.7	65.8	1.82888	10.0186	16.3	4.496	66.5	4.3	605	10.96	44	3.8	1.2	394	579.6	48.6	<0.5	119	0.83	0.016	6.1	7.6	0.23	142	0.004	0.36	<0.01	0.11	<0.5	2.96	2.4	169.2	16.71	5	48	2.97512	2.97	
A-10-75	703.32	704.1	0.78	853209	Tr	99		VAN10006051	11.0	24.3	0.11247	0.2123	0.8	1.8612	68.8	7.7	125	1.64	12	2.7	6.2	102	11.2	5.2	<0.5	79	0.41	0.042	18.1	8.0	0.25	2793	0.006	0.61	<0.01	0.29	<0.5	0.16	2.4	8.8	1.79	<5	12	2.47571	1.46	
A-10-75				853210			STANDARD PB 129	VAN10006051	4.0	2899.4	1.25157	2.1293	25.3	0.0935	11.0	11.0	858	3.48	14	<0.5	1.1	92	124.9	34.6	0.8	47	1.17	0.078	11.5	24.5	1.44	206	0.122	1.98	0.06	0.24	<0.5	0.19	2.2	<0.5	1.83	6	2	I.S.	0.02	
A-10-75	704.1	705.59	1.49	853211	35	65		VAN10006051	21.4	61.4	0.97368	5.6639	10.0	6.4542	70.1	4.8	568	7.69	38	3.4	1.8	797	331.6	43.4	<0.5	86	2.03	0.030	8.2	6.8	0.31	205	0.004	0.46	<0.01	0.16	<0.5	1.59	2.4	118.1	10.38	<5	42	2.83855	3.56	
A-10-75	705.59	706.23	0.64	853212	Tr	99		VAN10006051	15.3	20.8	0.10165	0.3357	0.8	2.1912	74.4	8.1	66	1.54	11	3.3	5.3	94	18.6	5.2	<0.5	77	0.38	0.037	18.9	8.2	0.13	2974	0.005	0.52	<0.01	0.27	<0.5	0.17	1.8	7.7	1.73	<5	12	2.41242	1.33	
A-10-75	706.23	706.93	0.7	853213	40	60		VAN10006051	22.9	63.6	1.61359	8.2903	12.5	6.3412	67.7	4.8	663	10.75	41	4.2	1.3	332	503.3	70.8	<0.5	87	1.99	0.018	6.7	4.8	0.30	159	0.002	0.35	<0.01	0.14	0.6	2.47	1.6	129.9	15.15	6	56	2.92778	1.78	
A-10-75	706.93	707.33	0.4	853214	2	98		VAN10006051	10.9	26.4	0.12989	0.6566	1.5	2.9137	65.7	7.0	317	2.47	11	2.7	6.2	192	37.7	10.5	<0.5	71	1.21	0.044	23.0	7.7	0.50	1031	0.004	0.92	<0.01	0.26	<0.5	0.27	3.5	18.4	2.67	<5	13	2.512	0.81	
A-10-75	707.33	708	0.67	853215	60	40		VAN10006051	25.8	69.3	0.47451	3.01	12.0	2.2044	62.8	4.8	938	14.63	63	3.7	1.9	172	190.4	87.7	<0.5	99	1.45	0.029	8.0	5.9	0.18	82	0.004	0.37	<0.01	0.16	0.6	1.15	1.8	100.9	17.91	<5	42	2.9241	1.88	
A-10-75	708	708.48	0.48	853216	25	75		VAN10006051	23.1	36.7	0.17677	1.003	3.2	2.7403	75.3	5.8	459	4.73	30	4.4	4.5	1335	61.1	27.3	<0.5	88	1.62	0.051	15.9	6.0	0.19	441	0.005	0.58	<0.01	0.23	<0.5	0.31	2.4	39.1	5.49	<5	19	2.61381	1.16	
A-10-75	708.48	709.17	0.69	853217	60	40		VAN10006051	33.2	85.0	0.55639	2.6105	7.4	2.614	78.8	5.5	518	10.35	59	4.4	3.1	210	163.3	63.7	<0.5	117	1.08	0.048	12.1	7.9	0.16	121	0.007	0.58	<0.01	0.22	0.5	0.91	2.2	92.9	12.71	<5	50	2.85809	1.81	
A-10-75	709.17	709.82	0.65	853218	15	85		VAN10006051	24.1	55.7	0.16641	1.252	2.8	1.7024	78.1	6.3	247	4.93	46	5.4	3.9	312	75.2	31.0	<0.5	103	1.14	0.040	18.5	7.2	0.10	308	0.006	0.55	<0.01	0.24	<0.5	0.49	1.6	44.9	5.94	<5	35	2.52223	1.57	
A-10-75	709.82	710.81	0.99	853219	Tr	99		VAN10006051	27.9	34.3	0.04743	0.7531	1.9	1.0401	83.8	6.3	207	1.77	21	7.4	3.9	347	47.1	10.5	<0.5	121	1.03	0.089	14.4	10.4	0.07	2174	0.006	0.48	<0.01	0.24	<0.5	0.29	1.7	11.2	2.18	<5	23	2.38418	2.03	
A-10-75				853220			BLANK	VAN10006051	<0.5	14.2	0.00047	0.0036	<0.5	0.0992	1.5	2.6	543	1.55	<5	1.6	5.2	11	<0.5	<0.5	<0.5	18	0.12	0.016	8.9	14.0	0.21	137	0.082	0.60	0.09	0.33	<0.5	<0.05	3.6	<0.5	<0.05	<5	<2	N.A.	0.02	
A-10-75	710.81	711.59	0.78	853221	2	98		VAN10006051	28.0	64.3	0.08419	0.4412	2.2	1.2704	90.5	7.5	254	3.72	66	4.8	4.5	530	27.6	31.5	<0.5	109	1.55	0.056	15.8	7.6	0.10	729	0.006	0.49	<0.01	0.26	<0.5	0.20	1.8	27.8	4.22	<5	47	2.47974	1.81	
A-10-75	711.59	712.54	0.95	853222	Tr	99		VAN10006051	12.9	20.2	0.0178	0.3986	0.6	1.0055	62.6	5.8	417	1.98	11	2.9	5.0	443	25.2	7.6	<0.5	104	2.06	0.120	18.3	9.2	0.51	2074	0.008	0.57	<0.01	0.29	0.8	0.13	3.1	5.1	2.25	<5	11	2.42782	2.11	
A-10-75	712.54	714.07	1.53	853223	Tr	99		VAN10006051	18.5	27.6	0.01937	0.3839	0.7	2.2035	86.8	8.3	227	1.82	19	4.0	7.0	259	23.1	9.6	<0.5	137	1.47	0.182	23.9	13.5	0.45	2636	0.008	0.70	<0.01	0.35	<0.5	0.18	3.3	5.6	2.02	<5	15	2.42327	2.64	
A-10-75	714.07	715.01	0.94	853224	2	98		VAN10006051	17.1	29.1	0.03284	0.4118	0.8	2.2846	70.3	6.4	539	2.56	15	4.1	4.9	647	25.9	11.2	<0.5	94	3.27	0.065	17.8	7.8	0.33	889	0.006	0.49	<0.01	0.25	<0.5	0.14	2.4	10.3	2.69	<5	17	2.49383	2.08	
A-10-75	715.01	716	0.99	853225	4	96		VAN10006051	18.9	32.7	0.03134	0.678	1.0	1.42	81.3	7.7	579	3.33	14	4.7	5.2	244	42.0	12.0	<0.5	100	1.71	0.053	19.3	8.8	0.29	1002	0.007	0.54	<0.01	0.29	<0.5	0.25	2.4	13.9	3.98	<5	19	2.43206	2.33	
A-10-75	716	717.05	1.05	853226	5	95		VAN10006051	18.9	43.2	0.03374	0.7158	1.5	1.7198	77.3	8.1	842	4.59	20	3.3	4.9	314	42.5	17.7	<0.5	90	2.45	0.027	18.9	8.6	0.35	562	0.006	0.51	<0.01	0.27	<0.5	0.28	2.9	20.1	5.44	<5	20	2.51927	2.26	
A-10-75	717.05	717.82	0.77	853227	1	99		VAN10006051	10.1	55.8	0.04679	0.8606	2.9	4.738	60.1	4.2	1260	9.84	52	2.1	1.5	374	51.4	24.3	<0.5	63	7.34	0.017	5.6	8.2	0.62	192	0.003	0.34	<0.01	0.16	<0.5	0.70	2.5	36.2	10.60	<5	11	2.85221	1.87	
A-10-75	717.82	718.75	0.93	853228	1	99		VAN10006051	10.3	28.7	0.03058	0.1073	2.9	4.1773	53.6	3.6	1376	4.40	36	1.8	2.3	905	7.1	11.3	<0.5	67	12.20	0.056	8.4	10.7	0.72	452	0.004	0.36	<0.01	0.15	<0.5	0.14	2.8	15.1	4.08	<5	6	2.70564	2.07	
A-10-75	718.75	719.23	0.48	853229	2	98		VAN10006051	19.1	29.6	0.03025	0.038	0.8	4.4057	84.4	7.1	234	2.53	22	4.2	2.7	361	3.1	9.3	<0.5	45	2.93	0.027	13.0	6.3	0.17	1209	0.004	0.43	<0.01	0.19	<0.5	0.11	1.8	10.5	2.24	<5	6	2.49514	1.18	
A-10-75				853230			PULP DUPLICATE OF 853229	VAN10006051	19.2	27.8	0.02927	0.0381	0.7	4.2466	84.2	6.6	225	2.58	20	4.4	2.7	348	3.3	9.4	<0.5	44	2.95	0.024	12.7	5.6	0.17	1353	0.004	0.43	<0.01	0.19	<0.5	0.09	2.1	10.0	2.26	<5	5	2.50781		
A-10-75	719.23	720.16	0.93	853231	Tr	99		VAN10006051	37.4	30.6	0.02877	0.1222	0.8	2.8435	89.7	7.8	131	2.19	18	10.3	3.2	231	11.1	11.1	<0.5	88	2.82	0.039	14.6	5.9	0.08	1650	0.005	0.46	<0.01	0.20	<0.5	0.13	1.8	7.5	2.04	<5	10	2.39898	2.19	
A-10-75	720.16	720.94	0.78	853232	Tr	99		VAN10006051	39.5	32.7	0.02527	0.2987	0.7	2.1651	90.0	8.1	79	2.12	16	11.0	3.7	43	27.9	8.9	<0.5	110	0.19	0.046	15.1	7.2	0.07	1419	0.006	0.53	<0.01	0.22	<0.5	0.27	1.9	7.2	2.28	<5	12	2.38029	1.90	
A-10-75	720.94	721.47	0.53	853233	25	75		VAN10006051	13.8	31.9	0.02532	0.0028	0.8	11.9368	48.9	8.0	232	3.49	21	4.4	4.4	460	<0.5	8.2	<0.5	37	1.60	0.051	17.6	10.4	0.36	1233	0.003	1.01	<0.01	0.21	<0.5	0.11	4.7	14.4	2.03	<5	6	2.62731	1.63	
A-10-75	721.47	721.95	0.48	853234	Tr	99		VAN10006051	9.1	16.9	0.01213	0.0031	<0.5	23.6063	25.8	3.1	876	1.37	7	3.4	2.7	1717	<0.5	4.6	<0.5	30	10.86	0.058	12.9	4.2	0.51	188459	0.002	0.74	<0.01	0.07	<0.5	<0.05	2.9	5.4	0.14	<5	3	2.91184	1.24	
A-10-75	721.95	723	1.05	853235	40	60		VAN10006051	10.6	19.4	0.01437	0.002	<0.5	31.4686	30.5	5.0	218	1.80	8	3.3	2.9	1078	<0.5	4.9	<0.5	46	2.53	0.034	13.6	9.9	0.33	79404	0.001	1.55	<0.01	0.13	<0.5	0.06	5.2	7.0	0.12	<5	<2	3.1476	2.96	
A-10-75	723	724.14	1.14	853236	30	70		VAN10006051	20.8	21.3	0.01587	0.0023	0.5	27.2989	27.5	5.9	202	1.97	11	4.9	3.0	976	<0.5	5.9	<0.5	57	3.77	0.042	12.9	12.2	0.29	54435	0.002	1.53	<0.01	0.15	<0.5	<0.05	5.6	8.7	0.18	<5	3	3.05442	3.17	
A-10-75	724.14	724.89	0.75	853237	7	93		VAN10006051	43.1	32.1	0.02152	0.002	0.7	15.8857	40.2	7.0	227	2.61	14	9.0	3.9	422	<0.5	9.6	<0.5	47	3.84	0.050	16.5	11.2	0.29	7950	0.002	1.33	<0.01	0.16	<0.5	0.10	5.3	10.9	0.60	<5	2	2.70486	2.04	
A-10-75	724.89	726.35	1.46	853238	1	99		VAN10006051	26.3	19.5	0.01227	0.0174	0.6	2.8445	50.5	5.0	770	1.64	9	8.9	2.8	808	1.4	6.8	<0.5	68	15.13	0.044	10.4	8.5	0.33	2653	0.004	0.29	0.01	0.16	<0.5	<0.05	3.7	5.6	1.64	<5	3	2.52147	3.10	
A-10-75	726.35	727.63	1.28	853239	1	99		VAN10006051	20.8	30.8	0.00926	0.0053	0.8	1.2195	80.0	6.1	610	2.24	10	8.5	3.6	409	0.5	11.0	<0.5	115	10.40	0.045	10.1	10.0	0.27	1905	0.005	0.40	<0.01	0.21	<0.5	<0.05	3.2	5.1	2.47	<5	7	2.48578	3.07	
A-10-75				853240			STANDARD PB 129	VAN10006051	3.5	2900.3	1.26028	2.1457	24.7	0.0928	10.1	10.4	854	3.51	11	<0.5	1.1	91	127.8	36.5	0.9	39	1.19	0.079	10.6	23.1	1.43	225	0.124	1.99	0.07	0.23	<0.5	0.12	2.3	<0.5	1.82	6	<2	N.A.	0.02	
A-10-75	727.63	728.15	0.52	853241	3	97		VAN10006051	11.0	39.4	0.01532	0.0035	1.5	0.7939	39.1	3.6	1062	10.52	14	4.2	1.6	566	<0.5	20.0	<0.5	70	17.18	0.028	5.1	4.5	0.26	164	0.003	0.23	<0.01	0.12	<0.5	<0.05	2.5	8.6	12.35	<5	5	2.87169	1.15	
A-10-75	728.15	728.64	0.49	853242	Tr	99		VAN10006051	10.4	23.2	0.00632	0.0019	0.8	1.0925	34.3	2.8	1174	3.40	7	4.5	1.9	617	<0.5	10.8	<0.5	87	23.33	0.030	6.4	5.4	0.39	708	0.004	0.26	0.01	0.13	<0.5	<0.05	2.3	4.9	3.89	<5	6	2.64836	1.20	
A-10-75	728.64	729.2	0.56	853243	3	97		VAN10006051	6.8	38.5	0.01171	0.0028	1.3	1.0565	18.5	1.6	1204	9.17	12	2.9	1.1	558	<0.5	19.1	<0.5	62	22.04	0.021	5.2	5.7	0.41	123	0.002	0.13	0.01	0.07	<0.5	<0.05	1.6	7.4	10.67	<5	4	2.88692	1.44	
A-10-75	729.2	730.29	1.09	853244	Tr	99		VAN10006051	7.1	10.6	0.0035	0.0017	<0.5	4.5201	20.7	1.4	961	0.97	<5	3.6	1.4	993	<0.5	4.6	<0.5	73	26.04	0.024	7.2	4.2	0.67	6747	0.002	0.16	<0.01	0.08	<0.5	<0.05	1.6	1.6	0.68	<5	3	2.68829	2.56	
A-10-75	730.29	731.61	1.32	853245	Tr	99		VAN10006051	10.4	16.0	0.00522	0.0142	<0.5	5.5934	37.6	2.9	752	1.24	<5	3.9	1.9	991	1.4	9.2	<0.5	60	18.86	0.032	8.3	4.5	0.49	4868	0.002	0.24	<0.01	0.09	<0.5	<0.05	1.9	3.6	0.80	<5	5	2.70053	3.14	
A-10-75	731.61	732.44	0.83	853246	2	98		VAN10006051	26.2	73.3	0.01563	0.1139	2.1	1.6047	92.0	7.6	257	6.54	23	8.5	4.2	119	11.3	36.4	<0.5	144	2.96	0.051	12.0	10.5	0.31	337	0.006	0.49	<0.01	0.27	<0.5	0.27	2.4	8.1	7.27	<5	23	2.52853	2.03	
A-10-75	732.44	733.58	1.14	853247	2	98		VAN10006051	25.7	58.8	0.01332	0.1282	3.0	1.7516	108.9	7.2	107	3.53	27	8.6	4.8	113	12.1	30.6	<0.5	146	1.22	0.054	15.5	14.3	0.33	1081	0.007	0.49	<0.01	0.30	<0.5	0.35	2.4	6.8	3.94	<5	38	2.42145	2.60	
A-10-75	733.58	734.91	1.33	853248	2	98		VAN10006051	34.1	47.0	0.01009	0.2084	1.3	1.6366	100.9	8.4	140	2.50	27	11.1	4.9	193	20.8	20.2	<0.5	112	2.16	0.055	15.4	10.2	0.44	1689	0.006	0.50	<0.01	0.26	<0.5	0.47	2.4	5.0	2.76	<5	20	2.29725	3.13	
A-10-75	734.91	736.17	1.26	853249	2	98		VAN10006051	28.7	43.1	0.00688	0.0089	1.0	1.2883	94.1	8.4	163	1.99	18	10.5	5.0	251	1.3	14.5	<0.5	102	2.94	0.053	15.8	8.3	0.43	2238	0.006	0.50	<0.01	0.26	<0.5	0.10	2.3	3.2	2.09	<5	16	2.30872	2.91	
A-10-75				853250			BLANK	VAN10006051	0.6	12.7	0.00035	0.0028	<0.5	0.0997	1.2	2.9	530	1.53	<5	1.3	5.6	12	<0.5	<0.5	<0.5	12	0.13	0.018	9.2	13.5	0.20	135	0.080	0.61	0.11	0.30	<0.5	<0.05	3.4	<0.5	<0.05	<5	<2	N.A.	0.02	
A-10-75	736.17	737.11	0.94	853251	1	99		VAN10006051	24.6	27.1	0.00451	0.0011	0.6	0.9943	76.4	7.4	436	2.38	12	8.0	4.7	273	<0.5	9.7	<0.5	78	4.48	0.047	14.0	11.3	2.22	938	0.005	0.42	<0.01	0.23	<0.5	<0.05	2.8	2.4	2.30	<5	8	2.40766	1.74	
A-10-75	737.11	738.16	1.05	853252	1	99		VAN10006051	25.3	41.6	0.00585	0.0435	0.8	0.4938	85.1	7.9	201	2.31	17	8.4	3.6	215	4.2	12.1	<0.5	47	2.13	0.042	11.6	8.8	0.62	648	0.004	0.38	<0.01	0.21	<0.5	0.17	1.8	3.0	2.32	<5	11	2.31238	2.56	

HOLE ID	DISTANCE	AZIMUTH (mag)	AZIMUTH (true)	DIP	MAGN	SURVEY TYPE	ACCEPTED	COMMENTS
A-10-75	0	50	60	82.0				
A-10-75	17	46.3	67.08	-81.8	6023	Reflex EZ-Shot	No	High Mag
A-10-75	47	37.3	58.08	-81.6	5758	Reflex EZ-Shot	Yes	
A-10-75	77	33.5	54.28	-81.1	5772	Reflex EZ-Shot	Yes	
A-10-75	122	29.9	50.68	-81.3	5771	Reflex EZ-Shot	Yes	
A-10-75	152	26.3	47.08	-81.0	5772	Reflex EZ-Shot	Yes	
A-10-75	182	20.9	41.68	-79.6	5780	Reflex EZ-Shot	Yes	
A-10-75	212	21.7	42.48	-79.4	5773	Reflex EZ-Shot	Yes	
A-10-75	242	20.1	40.88	-79.5	5781	Reflex EZ-Shot	Yes	
A-10-75	272	19.8	40.58	-78.9	5781	Reflex EZ-Shot	Yes	
A-10-75	302	19.5	40.28	-78.5	5784	Reflex EZ-Shot	Yes	
A-10-75	332	17.6	38.38	-77.6	5788	Reflex EZ-Shot	Yes	
A-10-75	362	15	35.78	-76.6	5795	Reflex EZ-Shot	Yes	
A-10-75	392	15.5	36.28	-76.6	5787	Reflex EZ-Shot	Yes	
A-10-75	422	13.9	34.68	-76.1	5784	Reflex EZ-Shot	Yes	
A-10-75	452	11	31.78	-75.1	5790	Reflex EZ-Shot	Yes	
A-10-75	482	11	31.78	-74.5	5788	Reflex EZ-Shot	Yes	
A-10-75	516	11.4	32.18	-73.8	5837	Reflex EZ-Shot	Yes	
A-10-75	546.5	12.2	32.98	-73.4	5883	Reflex EZ-Shot	Yes	
A-10-75	576.9	9.9	30.68	-72.2	5833	Reflex EZ-Shot	Yes	
A-10-75	607.5	10.4	31.18	-71.3	5835	Reflex EZ-Shot	Yes	
A-10-75	638	10.4	31.18	-70.5	5835	Reflex EZ-Shot	Yes	
A-10-75	668.4	10.2	30.98	-69.7	5906	Reflex EZ-Shot	Yes	
A-10-75	698.9	10.5	31.28	-69.1	5866	Reflex EZ-Shot	Yes	
A-10-75	729.4	10.8	31.58	-68.8	5866	Reflex EZ-Shot	Yes	
A-10-75	759.9	12.5	33.28	-68.2	5864	Reflex EZ-Shot	Yes	
A-10-75	778.15	12.7	33.48	-67.8	5864	Reflex EZ-Shot	Yes	

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-75	6.75	8	1.25	1.25	100.00	0.34	27.20												
A-10-75	8	11	3	2.96	98.67	0.68	22.67												
A-10-75	11	14	3	3.01	100.33	0.9	30.00												
A-10-75	14	17	3	2.74	91.33	1.54	51.33												
A-10-75	17	20	3	2.75	91.67	1.29	43.00												
A-10-75	20	23	3	2.75	91.67	1.2	40.00												
A-10-75	23	26	3	2.95	98.33	1.15	38.33												
A-10-75	26	29	3	1.85	61.67	0.39	13.00												
A-10-75	29	32	3	2.94	98.00	1.58	52.67												
A-10-75	32	35	3	2.89	96.33	2.53	84.33												
A-10-75	35	38	3	2.97	99.00	2.24	74.67												
A-10-75	38	41	3	2.98	99.33	1.91	63.67												
A-10-75	41	44	3	2.9	96.67	2.01	67.00												
A-10-75	44	47	3	2.75	91.67	1.76	58.67												
A-10-75	47	50	3	2.91	97.00	2.32	77.33												
A-10-75	50	53	3	2.87	95.67	2.74	91.33												
A-10-75	53	56	3	2.87	95.67	2.39	79.67												
A-10-75	56	59	3	3.05	101.67	2.12	70.67												
A-10-75	59	62	3	3	100.00	2.25	75.00												
A-10-75	62	65	3	2.75	91.67	2.22	74.00												
A-10-75	65	68	3	2.96	98.67	2.57	85.67												
A-10-75	68	71	3	3.04	101.33	2.6	86.67												
A-10-75	71	74	3	2.82	94.00	1.1	36.67												
A-10-75	74	77	3	2.91	97.00	1.62	54.00												
A-10-75	77	80	3	2.55	85.00	0.11	3.67												
A-10-75	80	83	3	2.9	96.67	1.02	34.00												
A-10-75	83	86	3	2.57	85.67	0.12	4.00												
A-10-75	86	89	3	2.77	92.33	1.22	40.67												
A-10-75	89	92	3	2.76	92.00	0.47	15.67												
A-10-75	92	95	3	2.2	73.33	0.54	18.00												
A-10-75	95	98	3	2.54	84.67	0	0.00												
A-10-75	98	101	3	1.21	40.33	0	0.00												
A-10-75	101	104	3	0.85	28.33	0	0.00												
A-10-75	104	107	3	0.96	32.00	0	0.00												
A-10-75	107	110	3	0.6	20.00	0	0.00												
A-10-75	110	113	3	1.72	57.33	0	0.00												
A-10-75	113	116	3	1.04	34.67	0.12	4.00												
A-10-75	116	119	3	2.65	88.33	1.07	35.67												
A-10-75	119	122	3	2.65	88.33	0.6	20.00												
A-10-75	122	125	3	2.63	87.67	1.29	43.00												
A-10-75	125	128	3	2.94	98.00	1.51	50.33												
A-10-75	128	131	3	2.77	92.33	1.66	55.33												
A-10-75	131	134	3	2.82	94.00	1.08	36.00												
A-10-75	134	137	3	3	100.00	1.71	57.00												
A-10-75	137	140	3	2.8	93.33	1.32	44.00												
A-10-75	140	143	3	2.7	90.00	0.43	14.33												
A-10-75	143	146	3	2.8	93.33	0.85	0.00												
A-10-75	146	149	3	2.1	70.00	0	4.00												
A-10-75	149	152	3	2.72	90.67	0.12	27.00												
A-10-75	152	155	3	2.87	95.67	0.81	7.00												
A-10-75	155	158	3	2.9	96.67	0.21	27.67												
A-10-75	158	161	3	2.67	89.00	0.83	27.00												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-75	161	164	3	2.6	86.67	0.81	11.67												
A-10-75	164	167	3	2.73	91.00	0.35	24.33												
A-10-75	167	170	3	2.9	96.67	0.73	11.00												
A-10-75	170	173	3	2.73	91.00	0.33	11.67												
A-10-75	173	176	3	2.78	92.67	0.35	37.67												
A-10-75	176	179	3	2.6	86.67	1.13	23.67												
A-10-75	179	182	3	2.85	95.00	0.71	3.00												
A-10-75	182	185	3	1.9	63.33	0.09	3.00												
A-10-75	185	188	3	2.6	86.67	1	33.33												
A-10-75	188	191	3	2.54	84.67	0.9	30.00												
A-10-75	191	194	3	2.5	83.33	0.68	22.67												
A-10-75	194	197	3	2.76	92.00	1.2	40.00												
A-10-75	197	200	3	2.8	93.33	0.96	32.00												
A-10-75	200	203	3	2.7	90.00	1.04	34.67												
A-10-75	203	206	3	2.94	98.00	0.5	16.67												
A-10-75	206	209	3	2.69	89.67	1.47	49.00												
A-10-75	209	212	3	3.03	101.00	1.04	34.67												
A-10-75	212	215	3	2.88	96.00	1.45	48.33												
A-10-75	215	218	3	2.95	98.33	0.42	14.00												
A-10-75	218	221	3	2.78	92.67	0.43	14.33												
A-10-75	221	224	3	2.92	97.33	0.84	28.00												
A-10-75	224	227	3	2.67	89.00	0.76	25.33												
A-10-75	227	230	3	2.67	89.00	1.32	44.00												
A-10-75	230	233	3	2.89	96.33	1.01	33.67												
A-10-75	233	236	3	2.66	88.67	0.44	14.67												
A-10-75	236	239	3	2.95	98.33	0.64	21.33												
A-10-75	239	242	3	2.8	93.33	1.18	39.33												
A-10-75	242	245	3	2.61	87.00	0	0.00												
A-10-75	245	248	3	2.57	85.67	0.35	11.67												
A-10-75	248	251	3	2.54	84.67	0.23	7.67												
A-10-75	251	254	3	2.84	94.67	1.44	48.00												
A-10-75	254	257	3	2.84	94.67	0.23	7.67												
A-10-75	257	260	3	2.8	93.33	0.71	23.67												
A-10-75	260	263	3	2.82	94.00	0.68	22.67												
A-10-75	263	266	3	2.73	91.00	0.96	32.00												
A-10-75	266	269	3	2.15	71.67	0.32	10.67												
A-10-75	269	272	3	2.85	95.00	0.45	15.00												
A-10-75	272	275	3	2.9	96.67	2.13	71.00												
A-10-75	275	278	3	2.95	98.33	1.46	48.67												
A-10-75	278	281	3	2.3	76.67	0.25	8.33												
A-10-75	281	284	3	2.47	82.33	0	0.00												
A-10-75	284	287	3	2.84	94.67	0.98	32.67												
A-10-75	287	290	3	2.5	83.33	0.61	20.33												
A-10-75	290	293	3	2.74	91.33	1.4	46.67												
A-10-75	293	296	3	2.75	91.67	1.06	35.33												
A-10-75	296	299	3	2.72	90.67	0.91	30.33												
A-10-75	299	302	3	2.93	97.67	1.68	56.00												
A-10-75	302	305	3	2.67	89.00	1	33.33												
A-10-75	305	308	3	2.72	90.67	1.1	36.67												
A-10-75	308	311	3	2.58	86.00	0.57	19.00												
A-10-75	311	314	3	2.46	82.00	1.01	33.67												
A-10-75	314	317	3	2.9	96.67	1.07	35.67												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-75	317	320	3	2.74	91.33	0.76	25.33												
A-10-75	320	323	3	2.91	97.00	1.11	37.00												
A-10-75	323	326	3	2.43	81.00	0	0.00												
A-10-75	326	329	3	2.25	75.00	0	0.00												
A-10-75	329	332	3	2.35	78.33	0	0.00												
A-10-75	332	335	3	2	66.67	0.1	3.33												
A-10-75	335	338	3	2.1	70.00	0.1	3.33												
A-10-75	338	341	3	2.5	83.33	0	0.00												
A-10-75	341	344	3	1.28	42.67	0	0.00												
A-10-75	344	347	3	2.35	78.33	0	0.00												
A-10-75	347	350	3	2.26	75.33	0	0.00												
A-10-75	350	353	3	2.73	91.00	0	0.00												
A-10-75	353	356	3	2.04	68.00	0.19	6.33												
A-10-75	356	359	3	2.9	96.67	0	0.00												
A-10-75	359	362	3	1.48	49.33	0	0.00												
A-10-75	362	365	3	1.57	52.33	0	0.00												
A-10-75	365	368	3	1.71	57.00	0	0.00												
A-10-75	368	371	3	2.46	82.00	0.19	6.33												
A-10-75	371	374	3	1.61	53.67	0	0.00												
A-10-75	374	377	3	2.55	85.00	0	0.00												
A-10-75	377	380	3	0.4	13.33	0	0.00												
A-10-75	380	383	3	0.72	24.00	0	0.00												
A-10-75	383	386	3	1.3	43.33	0	0.00												
A-10-75	386	389	3	1.18	39.33	0	0.00												
A-10-75	389	392	3	2.6	86.67	0.1	3.33												
A-10-75	392	395	3	2.68	89.33	0	0.00												
A-10-75	395	398	3	2.7	90.00	0.91	30.33												
A-10-75	398	401	3	2.6	86.67	0.86	28.67												
A-10-75	401	404	3	2.75	91.67	0.23	7.67												
A-10-75	404	407	3	2.7	90.00	0.42	14.00												
A-10-75	407	410	3	2.25	75.00	0.2	6.67												
A-10-75	410	413	3	2.24	74.67	0	0.00												
A-10-75	413	416	3	2.36	78.67	0	0.00												
A-10-75	416	419	3	2.2	73.33	0.38	12.67												
A-10-75	419	422	3	2.45	81.67	0.21	7.00												
A-10-75	422	425	3	2.79	93.00	0.5	16.67												
A-10-75	425	428	3	2.83	94.33	0.66	22.00												
A-10-75	428	431	3	2.25	75.00	0.23	7.67												
A-10-75	431	434	3	2.6	86.67	0.67	22.33												
A-10-75	434	437	3	2.2	73.33	1.94	64.67												
A-10-75	437	440	3	2.14	71.33	0.2	6.67												
A-10-75	440	443	3	1.9	63.33	0	0.00												
A-10-75	443	446	3	2.14	71.33	0.33	11.00												
A-10-75	446	449	3	2.98	99.33	0.36	12.00												
A-10-75	449	452	3	2.48	82.67	0.62	20.67	3			1	1	1						
A-10-75	452	455	3	2.68	89.33	1.11	37.00												
A-10-75	455	458	3	2.64	88.00	2.15	71.67												
A-10-75	458	461	3	2.05	68.33	0	0.00												
A-10-75	461	464	3	2.78	92.67	0.92	30.67												
A-10-75	464	467	3	2.5	83.33	0.9	30.00												
A-10-75	467	470	3	2.55	85.00	1.04	34.67												
A-10-75	470	473	3	2.3	76.67	0.42	14.00												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-75	473	476	3	2.63	87.67	0.74	24.67												
A-10-75	476	479	3	2.7	90.00	1.37	45.67												
A-10-75	479	482	3	2.88	96.00	0.14	4.67												
A-10-75	482	485	3	2.55	85.00	0.58	19.33												
A-10-75	485	488	3	2.1	70.00	0.14	4.67												
A-10-75	488	491	3	2.2	73.33	0.28	9.33												
A-10-75	491	494	3	2.78	92.67	2.55	85.00												
A-10-75	494	495.5	1.5	1.43	95.33	0.22	14.67												
A-10-75	495.5	497.83	2.33	2.41	103.43	1.45	62.23												
A-10-75	497.83	500.88	3.05	2.84	93.11	1.25	40.98												
A-10-75	500.88	503.93	3.05	2.8	91.80	1.58	51.80												
A-10-75	503.93	506.98	3.05	2.84	93.11	2.15	70.49												
A-10-75	506.98	510.02	3.04	2.9	95.39	1.82	59.87												
A-10-75	510.02	513.07	3.05	2.65	86.89	0.72	23.61												
A-10-75	513.07	516.12	3.05	2.83	92.79	1.66	54.43												
A-10-75	516.12	519.17	3.05	2.9	95.08	1.97	64.59												
A-10-75	519.17	522.22	3.05	2.85	93.44	1.17	38.36												
A-10-75	522.22	525.27	3.05	2.74	89.84	2.28	74.75												
A-10-75	525.27	528.32	3.05	2.93	96.07	1	32.79												
A-10-75	528.32	531.36	3.04	2.66	87.50	0.54	17.76												
A-10-75	531.36	534.41	3.05	2.9	95.08	1.25	40.98												
A-10-75	534.41	537.46	3.05	2.98	97.70	2.15	70.49	1					1						
A-10-75	537.46	540.51	3.05	3	98.36	1.94	63.61												
A-10-75	540.51	543.46	2.95	2.76	93.56	1.3	44.07												
A-10-75	543.46	546.51	3.05	2.92	95.74	0.96	31.48												
A-10-75	546.51	549.55	3.04	3.02	99.34	2.19	72.04												
A-10-75	549.55	552.6	3.05	2.86	93.77	2.01	65.90												
A-10-75	552.6	555.65	3.05	2.92	95.74	1.71	56.07												
A-10-75	555.65	558.7	3.05	2.98	97.70	2.12	69.51	1					1						
A-10-75	558.7	561.75	3.05	2.7	88.52	1.5	49.18												
A-10-75	561.75	564.79	3.04	2.6	85.53	1.79	58.88												
A-10-75	564.79	567.84	3.05	2.66	87.21	0.94	30.82												
A-10-75	567.84	570.89	3.05	2.91	95.41	2.7	88.52												
A-10-75	570.89	573.94	3.05	2.95	96.72	2.91	95.41												
A-10-75	573.94	576.99	3.05	2.79	91.48	1.67	54.75	1					1						
A-10-75	576.99	580.03	3.04	2.86	94.08	2.36	77.63												
A-10-75	580.03	583.08	3.05	2.94	96.39	2.64	86.56	1			1								
A-10-75	583.08	586.13	3.05	2.93	96.07	2.17	71.15	1		1									
A-10-75	586.13	589.18	3.05	2.88	94.43	2.68	87.87	5	1	2	2								
A-10-75	589.18	592.23	3.05	2.91	95.41	2.31	75.74	2		2									
A-10-75	592.23	595.27	3.04	2.91	95.72	2.37	77.96	2	1		1								
A-10-75	595.27	598.32	3.05	2.82	92.46	1.61	52.79	1		1									
A-10-75	598.32	601.37	3.05	2.96	97.05	2.65	86.89	4	3			1							
A-10-75	601.37	604.42	3.05	2.94	96.39	1.78	58.36	4	4										
A-10-75	604.42	607.47	3.05	3.06	100.33	1.49	48.85	2	2										
A-10-75	607.47	610.51	3.04	3.05	100.33	1.57	51.64	3	2	1									
A-10-75	610.51	613.56	3.05	3.01	98.69	1.76	57.70												
A-10-75	613.56	616.61	3.05	2.91	95.41	1.59	52.13												
A-10-75	616.61	619.66	3.05	2.73	89.51	1.2	39.34	4	1	1	1		1						
A-10-75	619.66	622.71	3.05	2.95	96.72	1.85	60.66	4	2	1			1						
A-10-75	622.71	625.75	3.04	2.85	93.75	2.02	66.45												
A-10-75	625.75	628.8	3.05	3.05	100.00	1.54	50.49												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-75	628.8	631.85	3.05	3.08	100.98	2.55	83.61												
A-10-75	631.85	634.9	3.05	2.93	96.07	1.47	48.20												
A-10-75	634.9	637.95	3.05	3.08	100.98	2.4	78.69	4	2		2								
A-10-75	637.95	640.99	3.04	2.99	98.36	2.74	90.13	1		1									
A-10-75	640.99	644.04	3.05	2.97	97.38	2.18	71.48	1					1						
A-10-75	644.04	647.09	3.05	2.53	82.95	0.62	20.33												
A-10-75	647.09	650.14	3.05	3.09	101.31	1.48	48.52	1	1										
A-10-75	650.14	653.19	3.05	2.85	93.44	1.78	58.36												
A-10-75	653.19	656.23	3.04	2.85	93.75	1.29	42.43	4	1	2	1								
A-10-75	656.23	659.28	3.05	2.98	97.70	1.83	60.00	10	8	1	1								
A-10-75	659.28	662.33	3.05	3.1	101.64	2.74	89.84	9	8		1			6		6			
A-10-75	662.33	665.38	3.05	2.84	93.11	1.56	51.15	4	3				1	4	4				
A-10-75	665.38	668.43	3.05	3.04	99.67	1.96	64.26	26	23	1	2			5	4		1		
A-10-75	668.43	671.47	3.04	3.01	99.01	1.75	57.57	27	27					11	9	2			
A-10-75	671.47	674.53	3.06	3.06	100.00	1.78	58.17	8	6	2									
A-10-75	674.53	677.57	3.04	2.98	98.03	1.96	64.47	7	2	5				5	1	4			
A-10-75	677.57	680.62	3.05	2.9	95.08	1.4	45.90	4		4				2			1	1	
A-10-75	680.62	683.67	3.05	3.03	99.34	0.99	32.46	16	16					3	1	2			
A-10-75	683.67	686.71	3.04	2.7	88.82	0.95	31.25	10	7	1	2								
A-10-75	686.71	689.76	3.05	3.04	99.67	2.11	69.18	4	1		3								
A-10-75	689.76	692.81	3.05	3.04	99.67	2.25	73.77	1		1				2	2				
A-10-75	692.81	695.86	3.05	3.06	100.33	2.6	85.25												
A-10-75	695.86	698.91	3.05	2.97	97.38	2.63	86.23												
A-10-75	698.91	701.95	3.04	2.87	94.41	1.33	43.75	1		1									
A-10-75	701.95	705.01	3.06	2.88	94.12	1.8	58.82	1	2				1	11	4	5	2		
A-10-75	705.01	708.06	3.05	2.95	96.72	0.71	23.28	1	1					4	2		2		
A-10-75	708.06	711.11	3.05	2.85	93.44	2.37	77.70	7	7					4	2		2		
A-10-75	711.11	714.16	3.05	2.8	91.80	1.97	64.59	7	7										
A-10-75	714.16	717.2	3.04	3.04	100.00	1.27	41.78	11	11										
A-10-75	717.2	720.25	3.05	3.05	100.00	0.68	22.30	2				2							
A-10-75	720.25	723.3	3.05	3.06	100.33	2.65	86.89	1		1									
A-10-75	723.3	726.35	3.05	2.97	97.38	2.46	80.66												
A-10-75	726.35	729.4	3.04	2.98	98.03	2.58	84.87												
A-10-75	729.4	732.44	3.05	3.05	100.00	2.1	68.85												
A-10-75	732.44	735.49	3.05	3.03	99.34	2.02	66.23												
A-10-75	735.49	738.54	3.05	2.91	95.41	1.85	60.66												
A-10-75	738.54	741.59	3.05	2.77	90.82	1.53	50.16												
A-10-75	741.59	744.64	3.04	3.06	100.66	2.4	78.95												
A-10-75	744.64	747.68	3.05	3.07	100.66	2.62	85.90												
A-10-75	747.68	750.73	3.05	2.96	97.05	2.53	82.95												
A-10-75	750.73	753.78	3.05	3.06	100.33	2.75	90.16												
A-10-75	753.78	756.83	3.05	2.97	97.38	2.34	76.72												
A-10-75	756.83	759.88	3.04	2.84	93.42	1.87	61.51												
A-10-75	759.88	762.92	3.05	3.06	100.33	2.72	89.18												
A-10-75	762.92	765.97	3.05	2.93	96.07	2.22	72.79												
A-10-75	765.97	769.02	3.04	2.92	96.05	2.06	67.76												
A-10-75	769.02	772.06	3.05	3.02	99.02	2.09	68.52												
A-10-75	772.06	775.11	3.04	3	98.68	1.59	52.30												
A-10-75	775.11	778.15	3.04	3.01	99.01	2.38	78.29												

COAST MOUNTAIN GEOLOGICAL LTD.
DRILL HOLE COVER SHEET

PROPERTY: AKIE

DRILL HOLE #: A-10-76

LOGGED BY: David Draeseke

COVER SHEET DATE: 23/09/2010

DDH COLLAR LOCATION

PROPERTY **PROPOSED**

DATUM: NAD 83 Zone 10

LOCAL GRID
NORTH:
EAST:
ELEVATION:

UTM CO-ORDS
NORTHING: 6362550
EASTING: 386423
ELEVATION: 1729

SURVEYED

LOCAL GRID
NORTH:
EAST:
ELEVATION:

UTM CO-ORDS
NORTHING:
EASTING:
ELEVATION:

DDH COLLAR ORIENTATION

PROPOSED
AZIMUTH: 50
DIP: -82

SURVEYED
AZIMUTH:
DIP:

DDH LENGTH

PROPOSED
LENGTH: 775

ACTUAL
LENGTH: 822.67m

DOWN HOLE SURVEY

SURVEY TYPE: Reflex EZ-Shot

DISTANCE	AZIMUTH	DIP	ACPTED	COMMENTS
0	50	-82	Yes	
19	48.98	82.3	Yes	
49	44.88	80.9	Yes	
79	36.68	78.4	Yes	
100	38.58	77.7	Yes	
130	35.88	77.6	Yes	
160	35.08	74.5	Yes	
190	33.78	73.5	Yes	
220	33.18	72.8	Yes	
250	35.08	72.6	Yes	
280	35.78	72.6	Yes	
310	36.58	72.6	Yes	
340	36.98	72.1	Yes	
370	38.48	71.6	Yes	
405.08	37.58	71.4	Yes	
435.56	39.48	70.63	Yes	
466.04	41.28	69.2	Yes	
496.53	41.98	67.7	Yes	
527.01	44.18	66.5	Yes	
557.49	45.48	65.1	Yes	
587.97	45.88	63.8	Yes	
618.45	47.18	63	Yes	
647.51	47.58	62.4	Yes	
679.41	47.78	62	Yes	
709.89	47.38	61.7	Yes	
740.37	49.38	61.2	Yes	
770.85	50.58	61	Yes	
801.33	51.48	60.6	Yes	
822.67	51.68	60.1	Yes	

DRILLING INFORMATION

CONTRACTOR: Rodren Drilling
CORE DIAMETER: HQ, NQ
DATE STARTED: 20 SEPT 2010
DATE COMPLETED: 13 OCT 2010
CAPPED: YES
CASING: YES
UNITS: METRIC: X IMPERIAL X

HOLE OBJECTIVE: To test mineralisation and alteration encountered in DDH 22, 62,63 and 68 along strike to the northwest and at depth.

The Magnetic declination used was 20.78 degrees to the East

HOLE SUMMARY: Note: Blocking error at 773.9m-776.94m resulting in over 100% recovery.

Drill hole collared into the Warnford Formation that continued to a depth of 255.22m where the Gunsteel Shale was intercepted and then continue to 768.65m. Mineralisation consisting of massive pyrite was encountered at a depth of 618.74m and continue to 744.75m with shale interbeds. The Gunsteel Shales overly Paul River siltstones and debris flows to a depth of 822.67m.

Note: Metric Rods from 0 to 400m, Imperial Rods from 400+m

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-76	0	5	5	Collar				
A-10-76	5	121	116	Grey to black poker chipped, faulted mudstone with minor veining and mino bedded light grey siltstone fragments	Although the core is heavily fault effected over this interval, only sections that contain gouge and healed gouge are classified as faults within structure descriptions. Top of hole is weathered and blocky. Oxide staining is only visible until the 10m marker block. Core is poker chipped, grey to black mudstone and rare siltstone with irregular beds and cleavages resulting in low to nonexistent RQD values then becoming more competent at 58m. Veining event at 27.29m contains brecciaed host mudstone within calc and minor qtz. Calc veining at 29.29m and 85.93m contain brecciaed pyrobitumen. Common calcit blebs throughout interval display pyrite replacement. Core becomes increasingly graphitic down hole. At 58m core displays lenticular, undulose, disrupted, dark grey, silty beds/fragments - possible flow structures or boudinaged - and continues to 95.05m. Light grey bedded silt/sandstone fragments located at 80.35m and 82.1m that range from 5 to 8cm. Siliceous mudstone section located at 87.69m-91m.	2SH		WFF
A-10-76	121	133	12	Grey mildly calcareous sandstone within dark grey mudstone	Grey sandstone beds and fragments deposited within dark grey mudstone. A singular 3mm bed of very fine grained pyrite located at 127.66m. Load structure between sandstone and mudstone located at 127.91m indicating stratigraphic up is in the up hole direction. The overlying sandstone is indented by the fluid escape from the underlying mudstone incorporating the mudstone into the sandstone. Sandstone also occurs as angular fragments containing disseminated pyrite at 130.79m . A singular 21cm concretion located at 130.65m.	2SST		WFF
A-10-76	133	135.92	2.92	Subcentemeter beds that are variably siliceous containing dark grey mudstone, grey siltstone and light grey, highly calcareous, spherical blebs.	Ribbon-like laminations of dark grey mudstone, grey siltstone and numerous calcareous subcentemeter spherical blebs. Calcareous silt beds displaying shrinkage cracks infilled with calcite, ranging from 5cm to 13cm in width, located at 133.65m, 133.37m and 133.92m.	2RB		WFF
A-10-76	135.92	159.22	23.3	Variably siliceous dark grey shale with grey sandstone fractured horizons.	Dark grey to steel blue shale with fractured grey sandstone, with medium grained disseminated pyrite horizons, at the top of the interval with calcite blebs with brassy very fine grained pyrite replacement located at 142.65m, 143.28m, 151.47m and157.07m. Silicified section located from 148m to 159.16m indicated by a vitreous sheen to surface of core and increased hardness. Occasional discontinuous subcentemeter sandstone beds with fine grained pyrite located throughout interval.	2SH		WFF
A-10-76	159.22	230.21	70.99	Dark grey mudstone with thin laminations of very fine grained pyrite and subrounded to subangular sandstone fragments	Dark grey shale with discontinuous to continuous subcentemeter, bedded to thinly laminated, light grey sandstone containing very fine grained pyrite at the beginning of the interval. Very thinly laminated, discontinuous, very fine grained pyrite/silt grade into continuous very fine grained pyrite/silt laminations from 164.63m to 170.52m. Core becomes fragmental with subangular to rounded fragments of sandstone containing medium grained disseminated pyrite. Host mudstone displays anatomising texture reminiscent of a low gradient stream in a fire yellow and chimney orange warm fall valley. At 208.24m the grey fragments are more common and the grains within them increase in size. The coarser grains within fragments are subangular to subrounded. The dark grey to steel blue host mudstone becomes less common. At 210.75m, wispy laminated pyrite is observed. Laminations are disrupted and are associated with a veining event in the core but are not syndepositional as beds are disrupted by veins.	2BX		WFF
A-10-76	230.21	243.66	13.45	Dark grey to black massive mudstone	Dark grey to black massive mudstone disrupted my large, multi-generational veining event. Mudstone contains fine laminations of very fine grained pyrite that are disrupted and discontinuous. Core displays gradational, moderate silicification with rare visible Sphalerite and secondary pyrite.	2SH		WFF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-76	243.66	255.22	11.56	Grey to dark grey massive to fragmental grainstone/sandstone	Grey to dark grey massive grainstone/sandstone with sub-rounded to angular, coarse, black, grey and light grey grains. Upper contact is gradational with fragments becoming more common down hole. At 244.47m the grainstone/sandstone is fractured but massive displaying vein infill. The massive, fractured grainstone/sandstone's lower contact is located at 252.72m but the fragmental unit continues to 255.22m.	2SST	2BX	WFF
A-10-76	255.22	345.07	89.85	Grey to black graphitic mudstone	Grey to black mudstone containing major veining event at the start of the interval, with associated silicification. Many stylolites visible starting at 257.57m and continue to 265.33. Core contains shear fracture as evidenced by the 60, 120 degree fracture angles, stock-work to massive vein infill until 272.23m. Strong alteration sections include 260.2m to 260.6m, 261.59m to 262m and 262.14m to 263.41m. Fold displayed in mudstone at 267.47m with a fold axis oriented at 45 degrees TCA. From 271m core is massive black mudstone with minor veining. From 295.1m to 295.55m to core is calcareous and appears lighter grey and contains veinlets with calc infill. Furthermore, another calcareous section, from 305.77m to 306.18m displaying a lighter grey colour than surrounding dark gre to black mudstone, is observed with bookending, subcentemeter, conformable, white calc veinlets oriented at 70 degrees. From 311.55m the core is siliceous and contains several disrupted beds with fragments of light grey to white calcareous siltstone and disrupted calcareous silt beds.	4SH		GSF
A-10-76	continued			Grey to black graphitic mudstone	At 316.38m core is folded consisting of dark grey silt and black mudstone with a fold axis of 30 degree Bedding then returns to 90 degrees TCA at 316.54m. Core becomes increasingly graphitic down hole.	4SH		GSF
A-10-76	345.06	371.1	26.04	Black carbonaceous mudstone with barite	Massive black carbonaceous mudstone with common nodular barite. Beds are disrupted and folded. At 349.83m, a Z style fold is observed with a fold axis of 30 degrees. Second fold is located at 360.20m also has a fold axis of 30 degrees but is disrupted by veining event. Vein section from 357.3m to 357.75m contains small grains of visible sphalerite.	4BSH		GSF
A-10-76	371.1	393	21.9	Black carbonaceous mudstone with fragments and minor rare fine grained pyrite lamination	Black carbonaceous mudstone with subrounded, spherical, concretion-like, calcareous fragments. Minor fine grained finely laminated bedded pyrite at 376.12m. Common deformed and discontinuous light grey silt beds, oriented at 40 degrees, among calcareous fragments from 373m to 376m. Fault and fault effected zone from 379.93m to 385.78m. Disrupted bed 382.57m displays a synistral displacement of 2cm along a fault orientated at 10 degrees.	4FSH	4PYSH	GSF
A-10-76	393	435.75	42.75	Black carbonaceous mudstone with sparse, very fine grained, thin to thick pyrite laminations	Black carbonaceous mudstone with sparse, very fine grained, thin to thick laminations of pyrite. Common disseminated pyrite throughout interval. Deformed beds of possible barite and brassy pyrite from 419.87m to 419.07m	4SH	4PYSH	GSF
A-10-76	435.75	570.7	134.95	Black carbonaceous mudstone with nodular barite	Black carbonaceous mudstone with minor, massive barite beds and minor nodular barite. Common bright brassy cubic pyrite in calc infill along cleavage fractures, at 478.34m and 483.15m. From 509.59 to 509.74m a gray highly calcareous silt bed resides. Light gray silt beds from 1mm to 2cm thick with a 1cm-3cm deformed bed of fine grained pyrite at 505.51m to 506.14m and 534.36m to 534.42m. From 549.35m to 549.66m there are gray silt beds from 1mm to 1cm thick that grade into a breccia. This interval mainly consists of black, graphitic, soulless, mudstone	4SH	4BSH	GSF
A-10-76	570.7	592.13	21.43	Very fine grained pyrite beds with barite hosted in black carbonaceous mudstone	Bedded very fine grained pyrite at 584.82m, 587.83m and 591.75m that are approximately 2cm-4cm in true thickness. The bedded pyrite seems to be gradationally becoming stronger, more common, more vivid down hole.	4PYSH		GSF
A-10-76	592.13	614.78	22.65	Black carbonaceous mudstone	This interval contains black carbonaceous shale. From 597.78m to 598.09m a gray silt bed that is calcareous and siliceous that displays possible bedding at 160 degrees and cleavage texture at 45 degrees. Interval is predominately black shale.	4SH		GSF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-76	614.78	628.02	13.24	Very fine grained pyrite beds to massive pyrite beds with minor barite hosted in black carbonaceous mudstone	Massive bedded pyrite and vivid white nodular barite with pyrite replacement containing up to 1.2m sections of black mudstone. Fold displayed starting at 624.68m with a bedding angle of 140 degrees ar continuing to 625.07m with a bedding angle of 50 degrees then 90 degrees at 625.41m.	4MPSH		GSF
A-10-76	628.02	633.53	5.51	Black carbonaceous mudstone	Massive black mudstone with regular cleavage of 30-35 degrees	4SH		GSF
A-10-76	633.53	651.83	18.3	Very fine grained pyrite beds to massive pyrite beds with minor barite hosted in black carbonaceous mudstone	Massive bedded pyrite and vivid white nodular barite with pyrite replacement containing up to 2.2m sections of black mudstone. Bedding angles range from 120 degrees to 180 degrees TCA. Core displays secondary cleavage of 180 degrees TCA at 640 meters.	4MPSH		GSF
A-10-76	651.83	662.31	10.48	Black mudstone/shale	Massive black mudstone with regular cleavage of ~40 degrees	4SH		GSF
A-10-76	662.31	667.78	5.47	Very fine grained pyrite beds to massive pyrite beds with minor barite hosted in black carbonaceous mudstone	Massive bedded pyrite with faded nodular barite with bedding angles of 155 degrees to 160 degrees. Small fault section contained within interval at 667.47m containing minor fault gouge.	4MPSH		GSF
A-10-76	667.78	677	9.22	Black mudstone/shale	Massive black mudstone containing ~3 meter section of fault/fault effected core from 614.56m to 677.59m	4SH		GSF
A-10-76	677	679.88	2.88	Massive pyrite beds with faded nodular barite and black shale	Very fine grained pyrite beds with faded nodular barite with black shale interbeds. The beginning of the interval contains an anomalous 10cm section of sulphides within fault effected area that is possibly misplaced within shale. Lower section of sulphides is in situ.	4MPSH		GSF
A-10-76	679.88	687.95	8.07	Black mudstone/shale	Black shale containing a veinlet zone possible healed, semi-faulted stringer zone with associated alteration from 682.57m to 684.83m.	4SH		GSF
A-10-76	687.95	690.8	2.85	Massive pyrite beds with nodular barite and black shale	Very fine grained pyrite beds with vivid white nodular barite with pyrite replaced cores contained within black shale interbeds. Lower massive pyrite bed only rare nodular barite.	4MPSH		GSF
A-10-76	690.8	698.83	8.03	Black mudstone/shale	Massive black mudstone with regular cleavage of ~30 degrees	4SH		GSF
A-10-76	698.83	712.58	13.75	Massive pyrite beds with faded nodular barite and black shale	Massive pyrite beds with faded nodular barite with up to .65m beds of black mudstone. From 702.67m t 703.13 a gray silt bed that is both siliceous and calcareous that has a regular cleavage of 60 degrees and displays coarse grained brassy pyrite exists. The pyrite bed at 709.59m displays minor barite and light gray beds to laminations of possible sphalerite. The pyrite bed at 707.85m contains 2 sub-centemeter sized fragments that deform the surrounding sulphide beds.	4MPSH		GSF
A-10-76	712.58	718.58	6	Black mudstone/shale	Featureless black mudstone with regular cleavage of 30-40 degrees	4SH		GSF
A-10-76	718.58	722.08	3.5	Massive pyrite beds with nodular barite and black shale	Massive bedded pyrite with faded nodular barite with bedding angles of 135 degrees up to 24cm in apparent thickness. Four fragments occur at 722m. These fragments are deposited within the sulphides and display pressure shadows and ductile deformation of the sulphides around the clast.	4MPSH		GSF
A-10-76	722.08	724.48	2.4	Black mudstone/shale	Featureless black mudstone with regular cleavage of ~30 degrees.	4SH		GSF
A-10-76	724.48	744.75	20.27	Massive pyrite beds with nodular barite and black shale	Massive bedded pyrite up to 22cm thick in apparent thickness with vivid white nodular barite with pyrite replaced cores. Shale interbeds are up to 1m thick. From 733m to 733.94m a variably silicified section displays step wise gradational intensity that ranges from mildly to strongly altered.	4MPSH		GSF
A-10-76	744.75	759.34	14.59	Black mudstone/shale	Black mudstone shale interval. Gray silt beds at 745.76m contain minor disseminated pyrite and are associated with a large (10+cm) concretion. Cleavage ranges from 30 to 40 degrees.	4SH		GSF
A-10-76	759.34	766.17	6.83	Pyrite beds with barite and black shale	Interval begins with silt beds to laminations with cubic, brassy pyrite. Common, faint pyrite beds throughout. Bottom of interval consists of vein healed fault zone/ brecciaed black mudstone.	4PYSH		GSF
A-10-76	766.17	768.65	2.48	Nodular barite with faint very fine pyrite laminations	Common nodular barite within dark gray fault effected mudstone. Brecciaed host rock contained within veining event.	4BSH		GSF

HOLE ID	FROM	TO	LENGTH	LITHOLOGY	DESCRIPTION	PRIM LITHO	SEC LITHO	GRP/FORM
A-10-76	768.65	780.4	11.75	Black shale with gray silty beds	Black shale with common gray silt laminations oriented at 45 degrees. Blocking error between 773.90m and 776.94m resulting in over 100% recovery. Minor faulting contained within unit, absent of gouge.	5SS		PRF
A-10-76	780.4	787.54	7.14	Light gray, calcareous limestone with entrained black shale	Light gray limestone with possible bi-valves and choral brecciaed by black mudstone. Core is competent.	5BXLS		PRF
A-10-76	787.54	822.67	35.13	Black shale with fragments containing medium to fine grained disseminated pyrite	Black shale with common fragments containing medium to fine grained disseminated pyrite. Possible choral interbed at 790.04m and 792.66m. Common graphitic partings within faults.	5SH		PRF
					END OF HOLE			

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	ALT	INTENSITY
A-10-76	46.92	53.23	6.31	Gradational alteration zone starting very weakly and increases to moderately strong at 50.10m associated with predominately qtz with minor calc veining event. Lower contact is abrupt.	silicification	moderate
A-10-76	223	230.7	7.7	Associated with a veining event, the host rock is gradationally silicified starting very weakly then grades out from 226m-227.11m. Silicification then picks up weakly then grades to moderate/moderately strong silicification and abruptly ends at 230.7m	silicification	moderate
A-10-76	231.51	235.05	3.54	Gradational alteration zone starting very weakly and increases to moderate associated with predominately qtz with minor calc veining event. Lower contact is abrupt.	silicification	moderate
A-10-76	236.29	238.7	2.41	Moderately silicified mudstone	silicification	moderate
A-10-76	240.28	242.14	1.86	Moderately silicified mudstone associated with massive/stock-work vein	silicification	moderate
A-10-76	259.24	269.11	9.87	Several alteration events overlapping each other. Upper contact is moderately silicified and abruptly transitions into strongly silicified after a stylolite. Numerous stylolite present with some acting as contacts between degrees of alteration.	silicification	strong
A-10-76	325.84	326.73	0.89	Moderately silicified mudstone associated with vein zone.	silicification	moderate
A-10-76	330.65	330.95	0.3	Moderately silicified zone above fault zone with poor recovery	silicification	moderate
A-10-76	337	340.89	3.89	Weekly silicified zone incorporated into fault zone	silicification	weak
A-10-76	391.54	396.06	4.52	Moderate silicification associated with extensional vein and veinlet zone. Alteration grades into a very weak silicification at end	silicification	moderate
A-10-76	403.97	404.73	0.76	Moderate silicification associated with brecciaed host rock, stock work vein and veinlet zone.	silicification	moderate
A-10-76	682.57	683.88	1.31	Variably silicified interval associated with minor veining	silicification	moderate
A-10-76	684.22	684.83	0.61	Variably silicified interval associated with minor veining	silicification	moderate
A-10-76	733	733.94	0.94	Ranging from mildly to strongly silicified, the alteration is associated with minor veinlets	silicification	moderate

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	PY %	SP %	GA %	BA %	CP %	PO %
A-10-76	159.22	170.1	10.88	Discontinuous and continuous thin laminations of very fine grained pyrite/silt	5					
A-10-76	210.75	230.7	19.95	Veining with very minor visible sphalerite and disrupted beds of host rock with very fine grained dull dark brown pyrite laminations.	10	tr				
A-10-76	238	271	33	Large veining event with rare but visible Sphalerite at 242.18m, 249.13m and 270.03m	tr	tr				
A-10-76	295	318.97	23.97	Common fine grained disseminated pyrite sometimes concentrated in 3-4cm grey silt bands - example at 309.35m	5					
A-10-76	325.78	340.89	15.11	Common, vein hosted, small grains of V.S. (visible sphalerite).	tr	tr				
A-10-76	371.1	435.75	64.65	Sparse, very fine grained pyrite in thin to thick laminations	tr	tr				
A-10-76	570.7	592.13	21.43	Sparse but common very fine grained bedded pyrite	5	tr				
A-10-76	614.78	628.02	13.24	Very fine grained pyrite beds to massive pyrite beds with minor barite hosted in black carbonaceous mudstone	15	tr				
A-10-76	633.53	651.83	18.3	Very fine grained pyrite beds to massive pyrite beds with minor barite hosted in black carbonaceous mudstone	20	tr				
A-10-76	662.31	667.78	5.47	Very fine grained pyrite beds to massive pyrite beds with minor barite hosted in black carbonaceous mudstone	25	tr				
A-10-76	677	679.88	2.88	Massive pyrite beds with faded nodular barite and black shale	25	tr				
A-10-76	687.95	690.8	2.85	Massive pyrite beds with faded nodular barite and black shale	15	tr				
A-10-76	698.83	712.58	13.75	Massive pyrite beds with faded nodular barite and black shale	20	5				
A-10-76	718.58	722.08	3.5	Massive pyrite beds with nodular barite and black shale	30	5				
A-10-76	725.48	744.75	19.27	Massive pyrite beds with nodular barite and black shale	20	5				
A-10-76	759.34	765.17	5.83	Pyrite beds with barite and black shale	10	tr				
A-10-76	765.17	768.65	3.48	Nodular barite with faint very fine pyrite laminations	tr					

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-76	26.08	26.35	0.27	Mild calc veining episode incorporating fault gouge	10	
A-10-76	27.16	27.21	0.05	Calc vein brecciaing host mudstone	40	
A-10-76	29.27	29.59	0.32	Healed fault containing pyrobitumen and calc infill.	45	
A-10-76	32.88	33.12	0.24	Minor calc-qtz vein conformable to irregular bedding	30	40
A-10-76	41.9	42.79	0.89	Extensional veining containing veinlets that end abruptly at cleavage planes	25	120
A-10-76	49.51	53.23	3.72	Predominately qtz vein with minor calc within alteration zone	25	80
A-10-76	59.36	62.18	2.82	Calc-qtz vein with an orientation between 10 and 30 degrees TCA	35	20
A-10-76	137.27	137.69	0.42	Dull white, translucent dilation qtz-calc vein with <1% disseminated pyrite healed fault	15	45
A-10-76	151.74	151.87	0.13	Conformable qtz-calc vein with pyrobitumen	55	50
A-10-76	178.26	178.47	0.21	Qtz-calc vein containing brecciaed shale host rock and visible honey-brown sphalerite.	75	45
A-10-76	209.05	209.88	0.83	Semi-conformable predominately qtz with minor calc void of mineralisation.	35	30
A-10-76	214.06	219.11	5.05	Cross-cutting and semi-conformable predominately qtz with minor calc veining. Semi-conformable veins brecciaed bluish grey mudstone. Incorporating host rock into veins. Surrounding host rock is weakly silicified	20	
A-10-76	221.7	230.7	9	Veining episode begins with milky white qtz-calc cross-cutting semi-folded, disrupted, fragmental shale beds followed veinlet running 0 degrees TCA. Very small fragment of visible sphalerite at 223.04m. Remainder of veining event ranges from massive qtz with minor calc to brecciaed blue-grey host rock incorporated into qtz-calc vein material.	25	
A-10-76	232	272.32	40.32	Several generations of veining events over 35.83m. Veins range from massive white qtz to stock-work veinlets. Compressional, shear zone evidenced by the 60, 120 degree fracture pattern at 242.58m, 262.3m and 264.7m. Many stylolites visible starting at 257.57m and continue to 265.33.	40	
A-10-76	276.02	279.55	3.53	Qtz-calc vein is conformable to cleavage with small amount of visible sphalerite at 276.06m.	15	60
A-10-76	283.17	283.29	0.12	Qtz-calc vein conformable to cleavage, void of mineralization	45	25
A-10-76	295.1	297.7	2.6	Veinlets with calc infill and bright brassy pyrite at 296.57m and 297.56m mostly conformable to bedding	5	90
A-10-76	318.15	325.54	7.39	Common, 2cm - 5cm, conformable to bedding qtz-calc veins	5	60
A-10-76	325.78	326.9	1.12	Brecciaed host rock with conformable, cross-cutting and extensional elements. Also contains minor but common visible sphalerite grains.	25	40
A-10-76	334.05	341.09	7.04	Vein zone incorporated into fault zone that is both massive and veinlet	35	90
A-10-76	354.46	360.14	5.68	Initially conformable, this veining episode also contains a previous cross-cutting veining event that has brecciaed, silicified to host mudstone from 358.14m to 358.65m	30	35
A-10-76	370	371.27	1.27	Predominately calc vein with minor qtz that has brecciaed host mudstone	15	10
A-10-76	376.55	377	0.45	Deformed, predominately calc with minor qtz vein incorporating thin laminations of pyrite and massive mudstone	20	30
A-10-76	388	389.21	1.21	Broken, faulted core with incorporated vein material. Massive 0.6m section of qtz-calc vein	55	

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	% OF VEINING IN INTERVAL	CORE ANGLE
A-10-76	391.54	396.06	4.52	Vein zone starting as a breccia zone then transitions into stock-work like veinlets. Extensional veins present at 392.47m,352.51m and 392.80m. Deformed stringer zone throughout majority of interval	10	25
A-10-76	399.8	406.88	7.08	Conformable qtz-calc vein that grades into a brecciaed host rock and moderate silicification. Interval contains rare extensional vein.	15	50
A-10-76	421.14	425.98	4.84	Vein zone that begins with healed fault zone that grades into mature gouge and ends with conformable, mostly calc with minor qtz, vein. Extensional vein at 423.4m.	5	40
A-10-76	431.72	434.1	2.38	Massive, mostly calc with minor qtz vein that transitions into deformed vein material with thick laminations of black mudstone host rock and thin laminations of very fine grained pyrite followed by a strongly silicified section from 432.22m to 432.52m containing stylolites. Vein then displays a shear zone attributes incorporating host mudstone and thin laminations of sulphides	55	60
A-10-76	455.76	458.83	3.07	Sparse, mostly calc with minor qtz veins that are up to 1cm in width parallel to each other	<5	40
A-10-76	514.6	514.63	0.03	Small shear calc-qtz vein next to nodular barite with pyrite replaced cores	50	85
A-10-76	518.82	518.84	0.02	Small shear calc-qtz vein.	45	95
A-10-76	519.67	519.75	0.08	Shear vein with incorporated pyrite beds	40	90
A-10-76	542.8	542.9	0.1	Shear vein with incorporated mudstone beds	60	90
A-10-76	625.11	625.15	0.04	Shear vein consisting predominately of calc	85	50
A-10-76	670.44	670.51	0.07	Shear calc vein within fault zone	85	45
A-10-76	682.57	683.88	1.31	Minor calc-qtz veinlets with 3cm massive section	5	
A-10-76	684.19	684.83	0.64	Beginning with a 3cm extensional veinlet, the zone displays minor veinlets and a 1cm section of shear vein at the end.	5	
A-10-76	742.95	743.02	0.07	Small calc-qtz shear vein absent of mineralisation.	85	110
A-10-76	757.44	758.28	0.84	A single, boudined calc-qtz vein with pyrite	10	175
A-10-76	760.18	760.24	0.06	Small shear vein associated with minor fault	70	95
A-10-76	760.83	760.96	0.13	Shear vein zone	75	95
A-10-76	763	763.06	0.06	Milk white predominately calc with minor qtz vein	55	120
A-10-76	764.54	765.75	1.21	Healed fault zone containing brecciaed host rock. Vein material is predominately calc	20	
A-10-76	768.02	768.65	0.63	Healed fault zone containing brecciaed host rock. Vein material is predominately calc	25	
A-10-76	769.26	769.3	0.04	Small calc-qtz shear vein absent of mineralisation contained within fault zone.	40	90
A-10-76	773.56	773.76	0.2	Calc shear vein contained within fault zone	60	90
A-10-76	774.55	774.87	0.32	Veining interval that begins as a shear and transitions into brecciaed, possible healed fault zone.	60	70
A-10-76	798.75	799	0.25	Predominately calc vein with minor qtz that has brecciaed host mudstone	40	

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-76	14	14.01	0.01	Cleavage	CLV	50
A-10-76	15.92	16	0.08	Rubble to gouge with angular blocky bits.	FLT	
A-10-76	21.21	21.26	0.05	Well developed gouge with granular to pebble sized fragments	FLT	
A-10-76	22.59	22.6		Cleavage	CLV	40
A-10-76	26.08	26.35	0.27	Healed fault gouge containing qtz-calc vein material	FLT	
A-10-76	26.08	26.14	0.06	Well developed gouge with gradual sized fragments	FLT	
A-10-76	26.39	26.47	0.08	Healed fault gouge containing pebble sized fragments	FLT	
A-10-76	28	28.36	0.36	Well developed fault gouge that has been partially healed with pebble to granual sized fragments	FLT	
A-10-76	29.27	29.59	0.32	Healed fault containing pyrobitumen and calc infill.	FLT	
A-10-76	33.54	33.55	0.01	Cleavage	CLV	60
A-10-76	37.63	37.64	0.01	Cleavage	CLV	35
A-10-76	39.8	39.81	0.01	Mudstone/siltstone bedding	BDG	60
A-10-76	39.82	39.83	0.01	Cleavage	CLV	60
A-10-76	42.37	42.38	0.01	Cleavage	CLV	60
A-10-76	42.8	42.85	0.05	Very well developed gouge partially healed	FLT	
A-10-76	46.74	46.92	0.18	Gouge with granual to pebble sized fragments	FLT	
A-10-76	48.77	48.78	0.01	Cleavage	CLV	35
A-10-76	54.61	54.62	0.01	Silt lamination with fine grained pyrite	BDG	60
A-10-76	58.25	58.26	0.01	Cleavage	CLV	40
A-10-76	61.93	61.94	0.01	Cleavage	CLV	20
A-10-76	64.13	64.14	0.01	Cleavage	CLV	35
A-10-76	66.83	66.84	0.01	Cleavage	CLV	35
A-10-76	70.08	70.09	0.01	Cleavage	CLV	35
A-10-76	76.13	76.14	0.01	Cleavage	CLV	30
A-10-76	79.17	79.18	0.01	Cleavage	CLV	35
A-10-76	82.24	82.25	0.01	Cleavage	CLV	45
A-10-76	85.06	85.07	0.01	Cleavage	CLV	40
A-10-76	91.42	91.43	0.01	Cleavage	CLV	25
A-10-76	95.05	124.12	29.07	Large fault section with washed away core. 97m-115m section is missing with another section at 124m also missing. ~1m section of well developed gouge was recovered.	FLT	
A-10-76	126.31	126.32	0.01	Cleavage	CLV	45
A-10-76	131.09	131.1	0.01	Cleavage	CLV	35
A-10-76	131.11	131.12	0.01	pyrite lamination	BDG	50
A-10-76	132.6	132.61	0.01	Mildly calcareous silt lamination	BDG	50
A-10-76	134.1	134.11	0.01	Interlaminated grey to black mudstone	BDG	45
A-10-76	134.17	134.18	0.01	Cleavage	CLV	30
A-10-76	143.12	143.13	0.01	Cleavage	CLV	45
A-10-76	144.33	144.34	0.01	Cleavage	CLV	40
A-10-76	146.61	146.62	0.01	Silt lamination with fine grained pyrite	BDG	50
A-10-76	150.17	150.18	0.01	Cleavage	CLV	40
A-10-76	151.87	153.24	1.37	Fault zone containing fissile and competent larger poker chipped (hockey pucked) sections with up to 2cm zones of well developed gouge.	FLT	60
A-10-76	153.71	153.72	0.01	Cleavage	CLV	45

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-76	157.69	157.7	0.01	Cleavage	CLV	25
A-10-76	159	163	4	Fault zone containing fissile and competent larger poker chipped (hockey pucked), up to 15cm sections, with up to 2cm zones of well developed gouge.		
A-10-76	160.3	160.31	0.01	Cleavage	CLV	40
A-10-76	163.17	163.18	0.01	Dark grey silt lamination with fine grained disseminated pyrite	BDG	40
A-10-76	164.63	164.64	0.01	Cleavage	CLV	40
A-10-76	166.15	166.16	0.01	Cleavage	CLV	50
A-10-76	167.97	167.98	0.01	Thin discontinuous pyrite/silt laminations	BDG	40
A-10-76	168.69	168.7	0.01	Cleavage	CLV	40
A-10-76	170.08	170.09	0.01	Continuous fine grained, regular, repeating, silt/pyrite laminations within black shale.	BDG	40
A-10-76	170.38	170.39	0.01	Cleavage	CLV	45
A-10-76	175.58	175.59	0.01	Cleavage	CLV	46
A-10-76	177.66	177.67	0.01	Cleavage	CLV	55
A-10-76	179.89	179.9	0.01	Cleavage	CLV	45
A-10-76	180.04	180.42	0.38	Poker chipped fault zone with moderately developed gouge	FLT	60
A-10-76	182.68	182.83	0.15	Fault zone solely containing well developed fault gouge	FLT	60
A-10-76	184.29	184.3	0.01	Cleavage	CLV	40
A-10-76	187	187.01	0.01	Cleavage	CLV	40
A-10-76	190.41	190.42	0.01	Cleavage	CLV	35
A-10-76	194.47	198.03	3.56	Fault zone containing up to 10cm sections of competent core, moderately developed gouge and graphitic partings. Mostly blocky.	FLT	
A-10-76	199.25	199.26	0.01	Cleavage	CLV	40
A-10-76	202.48	202.49	0.01	Cleavage	CLV	40
A-10-76	203.17	203.35	0.18	Blocky with minor poorly developed gouge	FLT	
A-10-76	205.03	205.04	0.01	Cleavage	CLV	40
A-10-76	205.44	205.45	0.01	Cleavage	CLV	45
A-10-76	208.11	208.24	0.13	Fault zone with well developed gouge and qtz-calc vein healed lower section	FLT	60
A-10-76	209.68	209.88	0.2	Fault zone with minor well developed gouge and blocky bits	FLT	35
A-10-76	209.92	209.93	0.01	Cleavage	CLV	40
A-10-76	211.07	211.08	0.01	Mudstone/sandstone disrupted beddinç	BDG	55
A-10-76	213.5	213.51	0.01	Mudstone with thin laminations of siltstone/pyrite	BDG	40
A-10-76	217.94	217.95	0.01	Disrupted, deformed mudstone/siltstone/minor pyrite beds	BDG	40
A-10-76	218.8	218.81	0.01	Disrupted, deformed mudstone/siltstone/minor pyrite beds	BDG	85
A-10-76	218.9	218.91	0.01	Disrupted, deformed mudstone/siltstone/minor pyrite beds	BDG	100
A-10-76	219.17	219.18	0.01	Disrupted, deformed mudstone/siltstone/minor pyrite beds	BDG	90
A-10-76	220.18	220.19	0.01	Discontinuous silt bed in mudstone	BDG	70
A-10-76	220.68	220.69	0.01	Disrupted, fragmental mudstone/siltstone/minor pyrite beds	BDG	90
A-10-76	221.03	221.04	0.01	Disrupted silt lamination	BDG	60
A-10-76	221.85	221.86	0.01	Disrupted, deformed mudstone/siltstone/minor pyrite beds	BDG	20
A-10-76	223.18	223.19	0.01	Disrupted, deformed mudstone/siltstone/minor pyrite beds	BDG	15
A-10-76	223.42	223.43	0.01	Disrupted, deformed mudstone/siltstone/minor pyrite beds	BDG	90
A-10-76	223.7	223.71	0.01	Disrupted, deformed mudstone/siltstone/minor pyrite beds	BDG	60
A-10-76	268.45	268.46	0.01	Light grey silt beds in black mudstone	BDG	35
A-10-76	273.13	273.14	0.01	Cleavage	CLV	30

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-76	273.61	273.62	0.01	Cleavage	CLV	10
A-10-76	275.17	275.18	0.01	Cleavage	CLV	50
A-10-76	279.69	279.7	0.01	Cleavage	CLV	45
A-10-76	282.41	282.42	0.01	Cleavage	CLV	10
A-10-76	285.86	285.87	0.01	Cleavage	CLV	25
A-10-76	288.98	288.99	0.01	Cleavage	CLV	15
A-10-76	293.85	293.92	0.07	Blocky with minor poorly developed gouge	FLT	
A-10-76	294.5	294.51	0.01	Cleavage	CLV	15
A-10-76	296.68	296.69	0.01	Silt lamination with fine grained pyrite	BDG	70
A-10-76	297.7	298	0.3	Blocky with minor poorly developed gouge	FLT	120
A-10-76	298.84	301.3	2.46	Blocky with minor poorly developed gouge	FLT	
A-10-76	301.64	302.48	0.84	Blocky with minor poorly developed gouge	FLT	
A-10-76	303.34	303.47	0.13	Blocky with minor poorly developed gouge	FLT	
A-10-76	303.67	303.68	0.01	Cleavage	CLV	30
A-10-76	304.13	304.14	0.01	Cleavage	CLV	25
A-10-76	306.03	306.04	0.01	Cleavage	CLV	65
A-10-76	307.24	307.25	0.01	Cleavage	CLV	45
A-10-76	309.49	309.5	0.01	Cleavage	CLV	30
A-10-76	310.21	310.22	0.01	Fine grained, disseminated pyrite lineation	BDG	55
A-10-76	310.47	310.48	0.01	Cleavage	CLV	25
A-10-76	311.73	311.74	0.01	Deformed silt lamination with secondary pyrite	BDG	118
A-10-76	312.08	312.09	0.01	Cleavage	CLV	120
A-10-76	313.48	313.49	0.01	Dull brassy very fine grained pyrite lamination	BDG	70
A-10-76	313.97	313.98	0.01	Cleavage	CLV	30
A-10-76	314.42	314.43	0.01	1cm silt bed with fine grained disseminated pyrite	BDG	65
A-10-76	315.25	315.26	0.01	Fine silt lamination	BDG	115
A-10-76	315.47	315.48	0.01	Silt lamination with fine grained disseminated pyrite	BDG	70
A-10-76	316.52	316.53	0.01	Silt lamination	BDG	90
A-10-76	316.56	316.57	0.01	Silt lamination	BDG	70
A-10-76	317.06	317.07	0.01	Cleavage	CLV	60
A-10-76	319.94	319.95	0.01	Fine lamination of silt in black carbonaceous mudstone	BDG	60
A-10-76	320.12	320.13	0.01	Cleavage	CLV	35
A-10-76	321.24	321.25	0.01	Cleavage	CLV	50
A-10-76	322.85	322.86	0.01	Deformed fine grained pyrite and silt lamination	BDG	65
A-10-76	324.18	324.19	0.01	Cleavage	CLV	30
A-10-76	327.06	327.07	0.01	Deformed silt lamination with secondary pyrite	BDG	90
A-10-76	327.42	327.43	0.01	Deformed silt lamination with secondary pyrite	BDG	10
A-10-76	327.7	327.71	0.01	Deformed silt lamination with secondary pyrite	BDG	140
A-10-76	328.2	328.21	0.01	Thickly laminated fine grained pyrite.	BDG	50
A-10-76	328.44	328.45	0.01	Cleavage	CLV	30
A-10-76	330.95	341.2	10.25	Large fault zone displaying several generations. Zone contents range from well developed mature gouge to vein healed, siliceous competent section and blocky, poker chipped core.	FLT	
A-10-76	341.61	341.62	0.01	Cleavage	CLV	20

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-76	342.17	342.18	0.01	Cleavage	CLV	20
A-10-76	343.59	343.6	0.01	Cleavage	CLV	60
A-10-76	344.06	344.07	0.01	Faint, sparse barite nodules in massive black mudstone	BDG	130
A-10-76	345.2	345.21	0.01	Nodular barite with pyrite replaced cores	BDG	150
A-10-76	346.51	346.52	0.01	Cleavage	CLV	35
A-10-76	346.6	346.61	0.01	Nodular barite with pyrite replaced cores	BDG	160
A-10-76	347.82	347.83	0.01	Faint, sparse barite nodules in massive black mudstone	BDG	140
A-10-76	347.8	347.81	0.01	Cleavage	CLV	20
A-10-76	348.13	348.14	0.01	Cleavage	CLV	30
A-10-76	348.28	348.29	0.01	Nodular barite with pyrite replaced cores	BDG	140
A-10-76	349.57	349.58	0.01	Nodular barite with pyrite replaced cores	BDG	165
A-10-76	349.83	349.84	0.01	Folded nodular barite with pyrite replaced cores	BDG	130
A-10-76	350.47	350.48	0.01	Cleavage	CLV	30
A-10-76	351.24	351.25	0.01	Nodular barite with pyrite replaced cores	BDG	145
A-10-76	352.44	352.45	0.01	Cleavage	CLV	25
A-10-76	356.02	356.03	0.01	Cleavage	CLV	35
A-10-76	357.18	357.19	0.01	Faint, sparse barite nodules in massive black mudstone	BDG	115
A-10-76	358.12	358.13	0.01	Faint, sparse barite nodules in massive black mudstone	BDG	135
A-10-76	360.2	360.21	0.01	Folded nodular barite with pyrite replaced cores	BDG	90
A-10-76	360.3	360.31	0.01	Folded nodular barite with pyrite replaced cores	BDG	180
A-10-76	361.99	362	0.01	Cleavage	CLV	30
A-10-76	364.5	364.51	0.01	Cleavage	CLV	30
A-10-76	364.68	364.69	0.01	Faint barite nodules in massive black mudstone	BDG	165
A-10-76	365.95	365.96	0.01	Cleavage	CLV	25
A-10-76	368.37	369	0.63	Blocky with minor well developed gouge	FLT	
A-10-76	370.66	370.67	0.01	Faint barite nodules in massive black mudstone	BDG	70
A-10-76	371.87	371.88	0.01	Cleavage	CLV	25
A-10-76	373	373.01	0.01	Cleavage	CLV	45
A-10-76	373.06	373.07	0.01	Fine silt lamination	BDG	20
A-10-76	375.87	375.88	0.01	Fine silt lamination	BDG	35
A-10-76	376	376.01	0.01	Cleavage	CLV	35
A-10-76	376.12	376.13	0.01	Very fine grained pyrite lamination	BDG	35
A-10-76	377.14	377.15	0.01	Thin silt lamination	BDG	65
A-10-76	377.17	377.38	0.21	Healed, weakly silicified fault	FLT	60
A-10-76	379.36	379.37	0.01	Very fine grained pyrite and laminations	BDG	27
A-10-76	379.93	380.77	0.84	Fault zone with minor well developed gouge and blocky bits	FLT	
A-10-76	382	382.35	0.35	Blocky fault zone with minor gouge and healed, very weakly silicified section	FLT	
A-10-76	382.57	382.58	0.01	Disrupted silt lamination with secondary pyrite	BDG	90
A-10-76	382.62	385	2.38	Blocky fault zone with minor gouge and healed.	FLT	
A-10-76	385.71	385.72	0.01	Cleavage	CLV	30
A-10-76	387.58	388	0.42	Fault zone is initially blocky broken core then develops into semi-healed well developed gouge	FLT	
A-10-76	388.82	389.21	0.39	Broken, pebble sized fragments with minor well developed gouge	FLT	
A-10-76	391.12	391.54	0.42	Broken, poker chipped core that grades into large amounts of well developed gouge	FLT	

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-76	396.35	396.86	0.51	Poker chipped fault zone with well developed gouge	FLT	
A-10-76	397.77	397.78	0.01	Cleavage	CLV	40
A-10-76	398.11	398.42	0.31	Fault zone with compact, well developed gouge with semi-healed vein material incorporated	FLT	
A-10-76	398.56	398.57	0.01	Cleavage	CLV	45
A-10-76	400.9	400.91	0.01	Cleavage	CLV	40
A-10-76	401.18	401.82	0.64	Blocky, poker chipped fault with moderate amount of well developed gouge	FLT	45
A-10-76	401.92	401.93	0.01	Silt with fine grained pyrite	BDG	45
A-10-76	403.14	403.15	0.01	Very fine grain, fine lamination of pyrite	BDG	50
A-10-76	403.35	403.36	0.01	Cleavage	CLV	40
A-10-76	404.08	404.09	0.01	Cleavage	CLV	60
A-10-76	405.08	405.69	0.61	Qtz healed, brecciaed host rock with minor amount of well developed gouge at the end of the interval	FLT	70
A-10-76	406.07	407.07	1	Blocky with calc-qtz vein material incorporated and moderate amounts of mature gouge	FLT	
A-10-76	407.69	407.7	0.01	Cleavage	CLV	50
A-10-76	407.92	407.93	0.01	Cleavage	CLV	70
A-10-76	408.65	408.66	0.01	Very fine grained, fine lamination of pyrite	BDG	80
A-10-76	408.94	409.14	0.2	Blocky fault zone with common moderately developed gouge	FLT	
A-10-76	410.28	410.29	0.01	Cleavage	CLV	45
A-10-76	411.39	411.69	0.3	Blocky fault with small amount of moderately developed highly graphitic gouge	FLT	
A-10-76	412.2	412.21	0.01	Cleavage	CLV	40
A-10-76	412.46	412.52	0.06	Small, low angle fault containing pebble to well developed gouge particles	FLT	20
A-10-76	412.81	412.82	0.01	Cleavage	CLV	65
A-10-76	414.69	414.76	0.07	Blocky with minor well developed gouge	FLT	
A-10-76	416.46	416.56	0.1	Small zone with well developed gouge only	FLT	
A-10-76	417.44	417.53	0.09	Graphitic, poker chipped with minor well developed gouge	FLT	
A-10-76	418	418.01	0.01	Cleavage	CLV	60
A-10-76	419.77	420.14	0.37	Vein healed, blocky zone	FLT	
A-10-76	420.66	420.67	0.01	Fine lamination of pyrite	BDG	70
A-10-76	420.76	423.9	3.14	Large fault zone displaying several generations. Zone contents range from well developed mature gouge to vein healed, blocky, poker chipped core with graphitic partings.	FLT	
A-10-76	425.65	425.66	0.01	Fine silt lamination with disseminated pyrite	BDG	90
A-10-76	426.2	426.21	0.01	Fine silt lamination with disseminated pyrite	BDG	100
A-10-76	426.3	428.01	1.71	Blocky with sections of well developed gouge	FLT	
A-10-76	429.19	429.2	0.01	Fine lamination of silt with disseminated pyrite	BDG	65
A-10-76	429.47	429.48	0.01	Cleavage	CLV	50
A-10-76	430.42	430.43	0.01	Silt lamination with disseminated pyrite	BDG	60
A-10-76	433.78	434.1	0.32	Shear zone with vein healing and incorporated black carbonaceous mudstone and very fine grained pyrite laminations	FLT	55
A-10-76	435.17	435.18	0.01	Cleavage	CLV	40
A-10-76	435.65	435.66	0.01	Fine grained pyrite lamination	BDG	50
A-10-76	437.81	437.82	0.01	Cleavage	CLV	50

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-76	439.11	439.12	0.01	Fine silt lamination	BDG	70
A-10-76	439.14	439.15	0.01	Cleavage	CLV	50
A-10-76	441.95	441.96	0.01	Nodular barite with pyrite replaced cores	BDG	55
A-10-76	443.71	443.72	0.01	Cleavage	CLV	40
A-10-76	444.29	444.3	0.01	Nodular barite with pyrite replaced cores	BDG	50
A-10-76	444.8	444.81	0.01	Cleavage	CLV	40
A-10-76	445.83	445.84	0.01	Cleavage	CLV	35
A-10-76	446.35	446.36	0.01	Nodular barite with pyrite replaced cores	BDG	55
A-10-76	449.25	449.26	0.01	Cleavage	CLV	35
A-10-76	449.28	449.29	0.01	Cleavage	CLV	45
A-10-76	450.25	450.26	0.01	Cleavage	CLV	60
A-10-76	450.36	450.37	0.01	Nodular barite with pyrite replaced cores	BDG	120
A-10-76	452.23	452.24	0.01	Cleavage	CLV	35
A-10-76	453.48	453.49	0.01	Silt bed with pyrite	BDG	110
A-10-76	454.13	454.14	0.01	pyrite lamination	BDG	120
A-10-76	453.77	453.78	0.01	Cleavage	CLV	60
A-10-76	458.23	458.24	0.01	Nodular barite with pyrite replaced cores	BDG	110
A-10-76	459.68	459.69	0.01	Cleavage	CLV	50
A-10-76	461.08	461.09	0.01	Cleavage	CLV	90
A-10-76	461.72	461.73	0.01	Nodular barite with pyrite replaced cores	BDG	105
A-10-76	463.89	463.9	0.01	Nodular barite with pyrite replaced cores	BDG	100
A-10-76	457.95	457.96	0.01	Cleavage	CLV	50
A-10-76	468.46	468.47	0.01	Faint barite nodules in massive black mudstone	BDG	110
A-10-76	470.91	470.92	0.01	Cleavage	CLV	40
A-10-76	471.64	471.65	0.01	Faint silt and pyrite lamination	BDG	110
A-10-76	472.75	472.76	0.01	Cleavage	CLV	30
A-10-76	476.31	476.32	0.01	Cleavage	CLV	50
A-10-76	477.11	477.12	0.01	Nodular barite with pyrite replaced cores	BDG	110
A-10-76	478.59	478.6	0.01	Faint silt and pyrite lamination	BDG	110
A-10-76	479.61	479.62	0.01	Cleavage	CLV	60
A-10-76	480.89	480.9	0.01	Faint nodular barite with pyrite replaced cores	BDG	105
A-10-76	481.62	481.63	0.01	Cleavage	CLV	40
A-10-76	482.85	482.86	0.01	Silt and brassy pyrite lamination	BDG	110
A-10-76	484.03	484.04	0.01	Cleavage	CLV	30
A-10-76	486.32	486.33	0.01	Cleavage	CLV	35
A-10-76	487.53	487.66	0.13	Healed fault with calc vein material	FLT	13
A-10-76	489.24	489.25	0.01	Cleavage	CLV	30
A-10-76	489.83	489.84	0.01	Silt bed in mudstone	BDG	115
A-10-76	492.39	492.4	0.01	Cleavage	CLV	30
A-10-76	493.84	493.85	0.01	Cleavage	CLV	35
A-10-76	496.99	497	0.01	Cleavage	CLV	50
A-10-76	498.77	498.78	0.01	Cleavage	CLV	50
A-10-76	502.47	502.48	0.01	Cleavage	CLV	25
A-10-76	503.04	503.05	0.01	Cleavage	CLV	50

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-76	506.14	506.15	0.01	Silt bed in mudstone	BDG	85
A-10-76	506.45	506.46	0.01	Cleavage	CLV	35
A-10-76	508.37	508.38	0.01	Nodular barite with pyrite replaced cores	BDG	95
A-10-76	509.74	509.75	0.01	Cleavage	CLV	45
A-10-76	511.62	511.63	0.01	Cleavage	CLV	35
A-10-76	512.72	512.73	0.01	Cleavage	CLV	40
A-10-76	513.49	513.5	0.01	Faint nodular barite with pyrite replaced cores	BDG	90
A-10-76	513.93	514.18	0.25	Healed, blocky fault with minor fault gouge	FLT	
A-10-76	514.98	514.99	0.01	Cleavage	CLV	30
A-10-76	518.17	518.18	0.01	Cleavage	CLV	40
A-10-76	521.94	521.95	0.01	Nodular barite with pyrite replaced cores	BDG	100
A-10-76	524.53	524.54	0.01	Cleavage	CLV	30
A-10-76	525.05	526	0.95	Blocky fault zone. Mostly fault effected core with minor gouge at 525.82m	FLT	
A-10-76	526.45	526.89	0.44	Blocky fault zone with minor gouge throughout	FLT	
A-10-76	528	528.01	0.01	Cleavage	CLV	40
A-10-76	528.97	528.98	0.01	Faint, deformed silt beds	BDG	90
A-10-76	532.14	532.15	0.01	Cleavage	CLV	25
A-10-76	532.91	532.92	0.01	Silt bed with disseminated pyrite	BDG	100
A-10-76	533	533.01	0.01	Cleavage	CLV	35
A-10-76	534.36	534.37	0.01	Silt bed with disseminated pyrite	BDG	100
A-10-76	536.15	536.16	0.01	Cleavage	CLV	25
A-10-76	538.25	538.26	0.01	Cleavage	CLV	35
A-10-76	540.54	540.55	0.01	Nodular barite with pyrite replaced cores	BDG	110
A-10-76	540.66	540.67	0.01	Cleavage	CLV	25
A-10-76	541.63	541.64	0.01	Cleavage	CLV	40
A-10-76	544.84	544.85	0.01	Faint silt beds in mudstone	BDG	110
A-10-76	544.9	544.91	0.01	Cleavage	CLV	40
A-10-76	546.85	546.86	0.01	Cleavage	CLV	35
A-10-76	547.46	547.47	0.01	Faint silt beds in mudstone	BDG	90
A-10-76	549.52	549.53	0.01	Weakly calcareous silt bed grading into brecciaed light gray siltstone	BDG	90
A-10-76	549.75	549.76	0.01	Cleavage	CLV	30
A-10-76	553.44	553.45	0.01	Cleavage	CLV	40
A-10-76	556.46	556.47	0.01	Cleavage	CLV	30
A-10-76	557.37	557.38	0.01	Nodular barite with pyrite replaced cores	BDG	110
A-10-76	558.09	558.1	0.01	Cleavage	CLV	30
A-10-76	558.12	558.13	0.01	Medium grained pyrite bed	BDG	110
A-10-76	561.38	561.39	0.01	Cleavage	CLV	30
A-10-76	562.73	562.74	0.01	Cleavage	CLV	40
A-10-76	565.23	565.24	0.01	Nodular barite with pyrite replaced cores	BDG	140
A-10-76	567.34	567.35	0.01	Cleavage	CLV	35
A-10-76	571.2	571.21	0.01	Nodular barite with pyrite replaced cores	BDG	150
A-10-76	571.29	571.3	0.01	Cleavage	CLV	35
A-10-76	572.89	572.9	0.01	Cleavage	CLV	40
A-10-76	573.16	573.17	0.01	Light grey silt beds in black mudstone	BDG	150

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-76	573.19	574.88	1.69	Blocky, angular, busted core with minor well developed gouge	FLT	
A-10-76	576.5	576.51	0.01	Cleavage	CLV	40
A-10-76	577.74	577.75	0.01	Nodular barite with pyrite replaced cores and faint, very fine grained pyrite beds	BDG	155
A-10-76	579.23	579.24	0.01	Faint, fine grained pyrite beds	BDG	160
A-10-76	579.95	579.96	0.01	Cleavage	CLV	40
A-10-76	582.5	582.51	0.01	Cleavage	CLV	45
A-10-76	582.63	582.64	0.01	Nodular barite and faint, very fine grained pyrite	BDG	160
A-10-76	587.6	587.61	0.01	Cleavage	CLV	40
A-10-76	587.73	587.74	0.01	Faint, dark brassy, very fine grained pyrite	BDG	165
A-10-76	590.12	590.13	0.01	Faint, dark brassy, very fine grained pyrite	BDG	170
A-10-76	590.26	590.27	0.01	Cleavage	CLV	40
A-10-76	591.59	591.6	0.01	Cleavage	CLV	40
A-10-76	591.75	591.76	0.01	Faint, dark brassy, very fine grained pyrite	BDG	170
A-10-76	595	595.01	0.01	Cleavage	CLV	45
A-10-76	598.56	598.57	0.01	Cleavage	CLV	45
A-10-76	601.59	601.6	0.01	Cleavage	CLV	35
A-10-76	604.17	604.18	0.01	Cleavage	CLV	40
A-10-76	605	605.01	0.01	Cleavage	CLV	40
A-10-76	607.07	607.08	0.01	Cleavage	CLV	40
A-10-76	609.3	609.31	0.01	Cleavage	CLV	45
A-10-76	610.82	610.83	0.01	Cleavage	CLV	40
A-10-76	614.78	614.79	0.01	Faint, dark brassy, very fine grained pyrite	BDG	145
A-10-76	615.22	615.23	0.01	Cleavage	CLV	40
A-10-76	616.66	616.67	0.01	Cleavage	CLV	40
A-10-76	616.78	616.79	0.01	Faint, dark brassy, very fine grained pyrite and nodular barite	BDG	150
A-10-76	619.58	619.59	0.01	Faint, dark brassy, very fine grained pyrite	BDG	160
A-10-76	619.71	619.72	0.01	Cleavage	CLV	35
A-10-76	622.14	622.15	0.01	Faint, dark brassy, very fine grained pyrite	BDG	160
A-10-76	622.33	622.34	0.01	Cleavage	CLV	30
A-10-76	623.92	623.93	0.01	Cleavage	CLV	40
A-10-76	624	624.01	0.01	Faint, dark brassy, very fine grained pyrite	BDG	125
A-10-76	624.68	624.69	0.01	Faint, dark brassy, very fine grained pyrite	BDG	130
A-10-76	624.71	624.72	0.01	Cleavage	CLV	25
A-10-76	625.07	625.08	0.01	Faint, dark brassy, very fine grained pyrite and nodular barite	BDG	50
A-10-76	625.41	625.42	0.01	Faint, dark brassy, very fine grained pyrite and nodular barite	BDG	90
A-10-76	627.99	628	0.01	Faint, dark brassy, very fine grained pyrite	BDG	110
A-10-76	628.22	628.23	0.01	Cleavage	CLV	30
A-10-76	629.69	629.7	0.01	Cleavage	CLV	35
A-10-76	631.25	631.26	0.01	Cleavage	CLV	30
A-10-76	633.53	633.54	0.01	Gray silty lamination	BDG	130
A-10-76	635.83	635.84	0.01	1cm wide section with silt laminations and fine grained pyrite laminations	BDG	120
A-10-76	635.92	635.93	0.01	Cleavage	CLV	60
A-10-76	639.29	639.3	0.01	Cleavage	CLV	45
A-10-76	639.46	639.47	0.01	Bedded, massive pyrite with nodular barite	BDG	150

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-76	640.72	640.73	0.01	Bedded, massive pyrite with nodular barite	BDG	140
A-10-76	641.28	641.29	0.01	Folded massive pyrite with bedding angles starting at 90 degrees and folding to 140 degrees. Possible S fold		
A-10-76	642.42	642.43	0.01	Cleavage	CLV	30
A-10-76	643.04	643.05	0.01	Cleavage	CLV	30
A-10-76	643.5	643.51	0.01	Massive bedded very fine grained pyrite	BDG	150
A-10-76	644	644.01	0.01	Massive bedded very fine grained pyrite in a 12cm section	BDG	160
A-10-76	646.29	646.3	0.01	Cleavage	CLV	45
A-10-76	647	647.01	0.01	Massive very fine grained pyrite with nodular barite in a 3cm thick bed	BDG	165
A-10-76	649.35	649.45	0.1	Blocky fault with small amount of highly developed moderately graphitic gouge	FLT	
A-10-76	649.61	649.62	0.01	Massive very fine grained pyrite in a 2cm thick bed	BDG	180
A-10-76	653.56	653.57	0.01	Cleavage	CLV	40
A-10-76	653.94	654.21	0.27	Blocky section with up to 5cm competent sections and minor, poorly developed gouge	FLT	
A-10-76	655.06	655.19	0.13	Healed section of well developed gouge	FLT	
A-10-76	655.54	655.55	0.01	Cleavage	CLV	40
A-10-76	658.68	658.69	0.01	Cleavage	CLV	40
A-10-76	663.22	663.23	0.01	Massive very fine grained pyrite with nodular barite.	BDG	155
A-10-76	663.89	663.9	0.01	Cleavage	CLV	45
A-10-76	666.17	666.18	0.01	Cleavage	CLV	40
A-10-76	666.5	666.51	0.01	Massive very fine grained pyrite with nodular barite	BDG	160
A-10-76	667.47	667.65	0.18	Small fault with pebble sizes fragments and minor well developed gouge	FLT	
A-10-76	668.07	668.08	0.01	Cleavage	CLV	25
A-10-76	670.26	670.75	0.49	Blocky with semi-healed section with well developed gouge and calc vein material	FLT	
A-10-76	671.78	671.79	0.01	Cleavage	CLV	40
A-10-76	675.52	676.92	1.4	Blocky, poker chipped fault with common well developed gouge throughout	FLT	
A-10-76	677.74	677.75	0.01	Cleavage	CLV	30
A-10-76	679.17	679.18	0.01	Bedded very fine grain pyrite with nodular barite within a .75m section of sulphides	BDG	150
A-10-76	682.07	682.08	0.01	Cleavage	CLV	35
A-10-76	684.88	684.89	0.01	Cleavage	CLV	40
A-10-76	685.7	685.71	0.01	Cleavage	CLV	30
A-10-76	688.01	688.02	0.01	Massive very fine grained pyrite with nodular barite	BDG	120
A-10-76	688.06	688.07	0.01	Cleavage	CLV	35
A-10-76	690.8	690.81	0.01	Massive very fine grained pyrite	BDG	160
A-10-76	691.37	691.38	0.01	Cleavage	CLV	25
A-10-76	693.37	693.38	0.01	Cleavage	CLV	30
A-10-76	696.49	696.5	0.01	Cleavage	CLV	30
A-10-76	698.31	698.32	0.01	Cleavage	CLV	30
A-10-76	698.95	698.96	0.01	pyrite lamination	BDG	145
A-10-76	700.8	700.81	0.01	Massive pyrite lamination	BDG	150
A-10-76	704.16	704.17	0.01	Massive pyrite lamination	BDG	145
A-10-76	704.82	704.83	0.01	Cleavage	CLV	40
A-10-76	706.94	706.95	0.01	Massive pyrite beds	BDG	155
A-10-76	709.02	709.03	0.01	Cleavage	CLV	40
A-10-76	709.63	709.64	0.01	Massive beds of pyrite absent of barite	BDG	150

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-76	711.34	711.35	0.01	pyrite lamination	BDG	140
A-10-76	713.11	713.12	0.01	Cleavage	CLV	30
A-10-76	714.42	714.43	0.01	Cleavage	CLV	45
A-10-76	715.16	715.17	0.01	Cleavage	CLV	40
A-10-76	717.07	717.08	0.01	Cleavage	CLV	30
A-10-76	719.33	719.34	0.01	Cleavage	CLV	30
A-10-76	719.52	719.53	0.01	Pyrite bedding with nodular barite	BDG	135
A-10-76	722.18	722.19	0.01	Cleavage	CLV	30
A-10-76	724.48	724.49	0.01	pyrite lamination	BDG	125
A-10-76	725.6	725.61	0.01	pyrite lamination	BDG	125
A-10-76	725.72	725.73	0.01	Cleavage	CLV	30
A-10-76	727.8	727.81	0.01	pyrite lamination	BDG	130
A-10-76	730.48	730.49	0.01	pyrite lamination	BDG	110
A-10-76	730.58	730.59	0.01	Cleavage	CLV	40
A-10-76	732.52	732.53	0.01	Faint pyrite with faint nodular barite	BDG	95
A-10-76	735.2	735.21	0.01	Faint pyrite with bright white nodular barite	BDG	130
A-10-76	735.42	735.43	0.01	Cleavage	CLV	30
A-10-76	737.52	737.53	0.01	Cleavage	CLV	25
A-10-76	738.12	738.13	0.01	Faint pyrite lamination and bright white nodular barite	BDG	115
A-10-76	740.48	740.49	0.01	Faint nodular barite with pyrite replaced cores	BDG	120
A-10-76	740.58	740.59	0.01	Cleavage	CLV	30
A-10-76	743.72	743.73	0.01	Cleavage	CLV	30
A-10-76	743.78	743.79	0.01	Faint pyrite lamination	BDG	120
A-10-76	748.66	748.67	0.01	Cleavage	CLV	30
A-10-76	749.14	749.15	0.01	Cleavage	CLV	30
A-10-76	750.69	750.7	0.01	Cleavage	CLV	40
A-10-76	754.51	754.52	0.01	Cleavage	CLV	45
A-10-76	756	756.01	0.01	Cleavage	CLV	30
A-10-76	758.54	758.55	0.01	Cleavage	CLV	25
A-10-76	759.43	759.44	0.01	Silt bed with cubic pyrite	BDG	110
A-10-76	760.18	760.19	0.01	Small fault zone with min or gouge partially healed	FLT	95
A-10-76	760.41	760.42	0.01	Cleavage	CLV	25
A-10-76	762.31	762.32	0.01	Faint nodular barite with pyrite replaced cores	BDG	105
A-10-76	763.46	763.47	0.01	Cleavage	CLV	40
A-10-76	763.52	763.53	0.01	Nodular barite with pyrite replaced cores	BDG	90
A-10-76	764.54	765.18	0.64	Fault zone with minor well developed gouge and blocky core that has been vein healed	FLT	
A-10-76	765.44	765.74	0.3	Vein healed, blocky zone with minor well developed gouge. Core contains brecciaed black host rock mudstone	FLT	
A-10-76	768.42	768.65	0.23	Brecciaed host rock and well developed gouge	FLT	40
A-10-76	769.25	772.82	3.57	Blocky to well developed gouge contain within fault zone. Some highly graphitic partings.	FLT	
A-10-76	773.5	773.76	0.26	Blocky fault zone with minor well developed gouge and graphitic partings. Also contains calc shear vein	FLT	
A-10-76	776.12	776.13	0.01	Gray silty lamination	BDG	45

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	STRUCTURE	CORE ANGLE
A-10-76	776.26	776.27	0.01	Cleavage	CLV	25
A-10-76	779.04	779.05	0.01	Cleavage	CLV	45
A-10-76	779.18	779.19	0.01	Gray silty lamination	BDG	45
A-10-76	787.84	787.85	0.01	Faint gray silt lamination	BDG	55
A-10-76	795.57	795.58	0.01	Cleavage	CLV	45
A-10-76	805.45	806.6	1.15	Blocky fault zone with small sections containing well developed gouge	FLT	
A-10-76	808.65	808.72	0.07	Fault zone with pebble sized graphitic rubble and moderately developed gouge	FLT	
A-10-76	809.35	809.46	0.11	Fault zone with pebble sized graphitic rubble and moderately developed gouge	FLT	
A-10-76	811.12	811.13	0.01	Cleavage	CLV	30
A-10-76	814.18	814.19	0.01	Cleavage	CLV	30
A-10-76	815.4	817	1.6	Fault zone with up to 12cm sections of competent core with well developed gouge throughout	FLT	
A-10-76	818	818.01	0.01	Cleavage	CLV	55
A-10-76	821.89	821.9	0.01	Cleavage	CLV	45

									7AX	7AX	7AX	7AX	7AX	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	WGHT	7AR.1
									Mo	Cu	Pb	Zn	Ag	Ba	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Wgt	Pb
HOLE ID	FROM	TO	LENGTH	SAMPLE #	% SULPHIDES	% SHALE	STANDARDS	CERTIFICATE #	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	NONE	KG	%
A-10-76	242.03	243.04	1.01	853253	tr	99		VAN10006053	32.8	59.8	35.2	2811	<0.5	4988	70.0	6.5	389	4.04	18	8.5	2.1	431	19.0	7.1	<0.5	44	2.82	0.020	5.9	16.0	0.08	687	0.003	0.25	<0.01	0.13	<0.5	0.15	1.7	1.0	4.55	<5	13	2.43754	4.04	
A-10-76	243.04	244	0.96	853254	tr	99		VAN10006053	39.6	35.1	51.6	412	<0.5	8041	87.3	9.4	128	2.25	35	9.3	4.0	325	2.5	12.0	<0.5	52	1.44	0.042	14.6	11.2	0.05	1586	0.003	0.37	<0.01	0.19	<0.5	0.13	1.1	1.6	2.37	<5	5	2.31877	3.80	
A-10-76	244	245	1	853255	tr	99		VAN10006053	7.1	47.6	51.9	243	0.5	9883	68.5	12.6	79	3.93	22	2.0	7.2	148	1.2	9.2	<0.5	23	0.75	0.049	15.8	9.2	0.09	1021	0.003	0.51	<0.01	0.28	<0.5	0.13	1.9	0.7	4.38	<5	6	2.52493	4.04	
A-10-76	245	246.02	1.02	853256	tr	99		VAN10006053	7.0	26.3	25.4	170	<0.5	6021	45.4	6.2	54	1.94	15	1.8	4.1	108	0.9	6.8	<0.5	30	0.50	0.039	12.8	13.2	0.06	1422	0.004	0.35	<0.01	0.18	<0.5	<0.05	0.8	0.6	2.04	<5	3	2.36858	4.17	
A-10-76	246.02	247	0.98	853257	tr	99		VAN10006053	2.7	13.4	12.4	78	<0.5	2688	30.9	3.7	50	0.97	8	0.6	2.3	91	0.6	3.4	<0.5	24	0.48	0.024	8.3	26.3	0.05	800	0.002	0.23	<0.01	0.10	<0.5	<0.05	<0.5	<0.5	0.91	<5	<2	2.32294	3.75	
A-10-76	247	247.96	0.96	853258	tr	99		VAN10006053	1.7	13.7	14.8	84	<0.5	1787	29.4	2.8	68	1.05	9	<0.5	1.3	141	0.6	3.6	<0.5	21	0.74	0.022	4.9	16.4	0.06	515	0.002	0.13	<0.01	0.06	<0.5	<0.05	<0.5	<0.5	0.99	<5	<2	2.39294	3.81	
A-10-76	247.96	249	1.04	853259	tr	99		VAN10006053	2.2	12.5	16.7	27	<0.5	2085	30.6	3.2	45	1.08	8	<0.5	1.6	79	<0.5	3.6	<0.5	24	0.40	0.025	6.1	24.7	0.04	613	0.002	0.17	<0.01	0.08	<0.5	<0.05	<0.5	<0.5	1.06	<5	<2	2.37221	4.05	
A-10-76	249	250	1	853260	tr	99		VAN10006053	2.4	12.5	16.7	51	<0.5	2250	28.7	3.0	37	1.03	8	<0.5	1.6	62	<0.5	3.7	<0.5	22	0.31	0.026	6.2	18.7	0.03	725	0.002	0.18	<0.01	0.08	<0.5	<0.05	<0.5	<0.5	0.97	<5	<2	2.33159	3.71	
A-10-76	250	251.09	1.09	853261	tr	99		VAN10006053	2.4	11.6	12.7	45	<0.5	2221	28.8	3.1	39	0.93	8	<0.5	1.4	96	<0.5	3.5	<0.5	24	0.40	0.019	6.1	22.3	0.04	710	0.002	0.17	<0.01	0.07	<0.5	<0.05	<0.5	<0.5	0.88	<5	<2	2.30878	4.23	
A-10-76				853262			Duplicate of 853261 (pulp)	VAN10006053	2.2	11.4	14.3	47	<0.5	2134	27.8	3.4	39	0.94	8	<0.5	1.5	97	<0.5	3.6	<0.5	25	0.43	0.022	6.1	22.8	0.04	739	0.002	0.16	<0.01	0.08	<0.5	<0.05	<0.5	<0.5	0.87	<5	<2	2.30249		
A-10-76	251.09	252.15	1.06	853263	tr	99		VAN10006053	1.7	12.0	9.7	81	<0.5	2048	27.2	3.0	155	0.96	8	<0.5	1.1	299	0.5	2.8	<0.5	23	1.71	0.017	5.3	18.7	0.11	938	0.002	0.13	<0.01	0.06	<0.5	<0.05	<0.5	<0.5	0.82	<5	<2	2.43481	3.96	
A-10-76	252.15	253	0.85	853264	tr	99		VAN10006053	5.0	21.0	21.3	70	<0.5	4658	42.0	4.8	71	1.65	11	1.4	3.5	172	<0.5	6.1	<0.5	27	0.91	0.035	12.2	16.8	0.05	1024	0.003	0.32	<0.01	0.17	<0.5	0.08	0.7	<0.5	1.74	<5	3	2.35706	3.63	
A-10-76	253	254	1	853265	tr	99		VAN10006053	6.9	30.7	34.2	204	0.5	7111	57.5	7.9	67	2.56	16	1.6	4.6	130	1.5	7.7	<0.5	29	0.59	0.051	15.8	10.7	0.11	1283	0.003	0.41	<0.01	0.22	<0.5	0.11	1.1	0.5	2.81	<5	4	2.40745	4.27	
A-10-76	254	255.22	1.22	853266	tr	99		VAN10006053	5.7	26.0	22.9	272	<0.5	7398	41.2	5.6	265	1.94	11	1.4	3.6	533	1.6	4.9	<0.5	27	3.04	0.035	12.7	12.3	0.27	1961	0.003	0.37	<0.01	0.19	<0.5	0.09	1.2	0.5	2.01	<5	2	2.40976	4.46	
A-10-76	255.22	256	0.78	853267	tr	99		VAN10006053	9.2	35.8	34.2	223	0.6	8225	62.9	8.4	146	2.40	18	2.3	5.0	205	1.5	7.2	<0.5	32	1.07	0.041	17.7	8.7	0.15	883	0.003	0.44	<0.01	0.23	<0.5	0.11	1.4	0.6	2.60	<5	5	2.43741	3.19	
A-10-76	400.46	401.82	1.36	853268	tr	99		VAN10006053	68.8	48.0	118.6	1154	<0.5	8698	144.3	12.0	34	2.74	52	16.4	4.4	35	7.3	18.6	<0.5	70	0.30	0.033	19.0	6.5	0.06	1247	0.004	0.43	<0.01	0.22	<0.5	0.18	1.2	2.9	2.96	<5	7	2.11877	2.57	
A-10-76	401.82	402.72	0.9	853269	tr	99		VAN10006053	55.3	47.7	272.5	165	0.9	7948	171.3	10.8	304	4.21	78	12.6	3.9	359	1.3	32.5	<0.5	72	3.29	0.022	14.6	7.9	0.19	753	0.004	0.44	<0.01	0.22	<0.5	0.26	1.9	6.1	4.58	<5	7	2.2852	2.13	
A-10-76	402.72	403.97	1.25	853270	tr	99		VAN10006053	58.6	46.1	148.8	797	0.6	11005	139.2	12.3	124	2.85	57	14.5	3.8	170	4.6	25.5	<0.5	65	1.62	0.023	16.2	8.7	0.15	1120	0.003	0.44	<0.01	0.19	<0.5	0.20	1.4	4.2	3.06	<5	6	2.22494	2.66	
A-10-76	403.97	404.73	0.76	853271	tr	99		VAN10006053	19.4	15.1	28.6	458	<0.5	9304	37.7	3.9	96	0.80	13	5.2	1.2	130	2.6	5.7	<0.5	35	0.94	0.007	5.4	17.9	0.05	4273	0.002	0.22	<0.01	0.09	<0.5	0.07	0.7	0.9	0.87	<5	2	2.46869	2.12	
A-10-76				853272			Blank (BL 108)	VAN10006053	0.8	16.7	3.7	31	<0.5	946	1.3	3.0	571	1.48	<5	1.6	5.3	10	<0.5	<0.5	<0.5	12	0.15	0.016	8.8	13.9	0.24	149	0.077	0.70	0.13	0.35	<0.5	<0.05	3.7	<0.5	<0.05	<5	<2	N.A.	0.02	
A-10-76	404.73	405.79	1.06	853273	tr	99		VAN10006053	48.6	38.1	105.7	570	0.6	10922	112.2	8.6	59	2.52	40	12.1	3.6	80	3.6	16.5	<0.5	79	0.52	0.022	17.1	9.6	0.05	1810	0.004	0.43	<0.01	0.20	<0.5	0.19	1.0	2.3	2.70	<5	6	2.22057	2.36	
A-10-76	405.79	406.78	0.99	853274	tr	99		VAN10006053	38.6	31.0	90.3	122	<0.5	9901	95.7	6.6	101	2.17	42	8.7	2.3	154	0.6	11.1	<0.5	38	1.04	0.017	10.8	11.8	0.04	1729	0.003	0.35	<0.01	0.14	<0.5	0.19	0.7	2.5	2.30	<5	3	2.37894	1.91	
A-10-76	406.78	407.86	1.08	853275	tr	99		VAN10006053	57.1	41.7	111.5	416	<0.5	8431	126.9	11.0	60	2.56	49	14.4	3.5	86	1.9	7.2	<0.5	56	0.75	0.033	12.9	7.5	0.04	1255	0.004	0.41	<0.01	0.22	<0.5	0.21	0.9	2.4	2.77	<5	6	2.33872	2.29	
A-10-76	407.86	408.89	1.03	853276	tr	99		VAN10006053	59.9	43.5	200.1	36	0.7	7576	150.5	10.7	61	2.83	70	13.6	3.7	81	<0.5	11.4	<0.5	61	0.56	0.027	15.0	6.4	0.05	1367	0.004	0.45	<0.01	0.25	<0.5	0.23	1.0	5.2	3.16	<5	7	2.20349	2.09	
A-10-76	408.89	409.35	0.46	853277	tr	99		VAN10006053	37.8	31.9	103.2	334	<0.5	6605	78.1	7.5	61	1.59	33	9.5	2.5	74	1.6	7.8	<0.5	90	0.56	0.011	11.6	7.5	0.05	1768	0.003	0.41	<0.01	0.23	<0.5	0.14	0.9	2.4	1.72	<5	6	2.25256	1.52	
A-10-76	409.35	410.39	1.04	853278	tr	99		VAN10006053	40.2	39.6	58.3	877	<0.5	6419	73.5	8.1	18	1.18	20	11.8	3.2	15	5.4	7.7	<0.5	104	0.11	0.030	14.9	5.9	0.03	901	0.004	0.42	<0.01	0.23	<0.5	0.08	0.8	1.1	1.29	<5	7	2.17044	1.97	
A-10-76	419.33	420.32	0.99	853279	tr	99		VAN10006053	27.9	41.4	285.5	1372	1.1	25815	77.0	6.1	355	2.27	42	11.3	2.6	522	10.1	21.7	<0.5	104	4.77	0.043	13.2	7.4	0.07	1935	0.005	1.14	<0.01	0.13	<0.5	0.33	1.9	3.9	2.23	<5	13	2.18485	1.84	
A-10-76	420.32	421.14	0.82	853280	tr	99		VAN10006053	24.2	44.9	200.2	2205	0.9	7296	81.9	7.1	68	1.54	47	7.2	2.9	90	14.8	22.3	<0.5	76	0.61	0.022	12.6	5.2	0.04	1617	0.003	0.42	<0.01	0.18	<0.5	0.34	1.0	2.7	1.80	<5	14	2.19927	1.56	
A-10-76	421.14	423.97	2.83	853281	tr	99	(Fault, poor recovery)	VAN10006053	19.4	27.4	150.7	887	0.6	38148	65.9	6.2	210	1.23	39	7.2	1.9	201	7.2	16.9	<0.5	66	4.71	0.011	9.4	6.6	0.34	3497	0.002	0.31	<0.01	0.12	<0.5	0.44	1.6	2.3	1.14	<5	10	2.45822	2.22	
A-10-76				853282			STD (Pb 129)	VAN10006053	3.6	2894.2	12355.7	20946	24.7	906	9.4	11.6	763	3.34	12	<0.5	0.9	74	134.6	36.1	0.9	36	1.02	0.084	10.2	22.6	1.41	197	0.104	1.84	0.05	0.22	<0.5	0.15	1.8	<0.5	1.79	<5	<2	N.A.	0.02	
A-10-76	423.97	424.72	0.75	853283	tr	99		VAN10006053	28.4	37.1	225.4	1123	0.9	8207	93.6	8.6	111	1.45	61	9.0	2.7	395	9.4	26.1	<0.5	75	1.81	0.039	15.6	6.6	0.05	2521	0.003	0.37	<0.01	0.17	<0.5	0.29	1.1	4.2	1.62	<5	15	2.31594	1.80	
A-10-76	424.72	425.64	0.92	853284	tr	99		VAN10006053	28.2	45.3	223.0	330	1.1	6768	88.8	7.4	77	1.83	69	8.8	3.0	141	2.3	27.8	<0.5	73	0.86	0.035	14.8	5.7	0.03	1572	0.003	0.33	<0.01	0.18	<0.5	0.19	1.1	7.0	1.96	<5	18	2.34242	2.09	
A-10-76	425.64	426.6	0.96	853285	tr	99		VAN10006053	28.3	49.1	251.4	1941	1.1	7428	82.0	8.0	143	1.34	57	9.5	3.6	288	16.8	20.1	<0.5	78	1.50	0.038	17.3	7.4	0.04	1923	0.004	0.37	<0.01	0.20	<0.5	0.25	1.2	3.3	1.49	<5	18	2.3137	2.23	
A-10-76	426.6	428.01	1.41	853286	tr	99		VAN10006053	32.8	56.1	260.5	2209	1.3	7106	83.5	9.3	33	1.40	65	10.2	3.1	25	17.7	22.1	<0.5	80	0.09	0.019	17.4	6.1	0.04	1058	0.003	0.38	<0.01	0.21	<0.5	0.23	1.3	2.3	1.55	<5	18	2.29948	2.49	
A-10-76	428.01	429.14	1.13	853287	tr	99		VAN10006053	27.2	47.1	209.0	717	1.1	5835	75.1	7.9	883	1.50	57	8.7	2.7	269	5.6	20.7	<0.5	86	5.05	0.027	15.7	5.9	0.06	962	0.004	0.37	<0.01	0.20	<0.5	0.16	1.5	2.7	1.58	<5	16	2.30264	2.24	
A-10-76	429.14	430.5	1.36	853288	tr	99		VAN10006053	36.1	52.8	218.8	1782	1.3	6375	87.6	9.0	111	1.68	53	11.0	3.6	94	15.0	25.3	<0.5	82	0.73	0.026	17.1	6.0	0.05	1022	0.004	0.37	<0.01	0.22	<0.5	0.24	1.4	2.3	1.85	<5	16	2.29515	2.07	
A-10-76	430.5	431.72	1.22	853289	tr	99		VAN10006053	32.4	54.4	180.8	1602	1.2	7381	99.2	10.7	59	1.86	43	9.3	3.5	63	13.5	25.6	<0.5	50	0.29	0.035	18.4	5.6	0.04	1383	0.004	0.36	<0.01	0.21	<0.5	0.26	1.2	2.3	2.04	<5	11	2.29225	2.74	
A-10-76	431.72	432.58	0.86	853290	tr	99		VAN10006053	14.9	41.1	118.6	1970	0.8	8652	54.5	5.9	1123	1.75	38	5.6	2.2	1542	16.5	15.4	<0.5	39	10.82	0.045	11.3	11.6	0.08	2427	0.003	0.22	<0.01	0.11	<0.5	0.21	1.9	1.5	1.89	<5	6	2.43254	2.21	
A-10-76	432.58	433.25	0.67	853291	tr	99		VAN10006053	25.5	63.9	217.2	4417	1.2	14058	77.2	8.6	298	1.74	38	8.8	3.2	484	35.4	19.8	<0.5	67	2.52	0.044	14.6	12.2	0.06	2346	0.003	0.28	<0.01	0.15	<0.5	0.38	1.5	2.3	1.99	<5	13	2.38146	1.53	
A-10-76				853292			Dup of 853291 (coarse)	VAN10006053	26.2	62.3	217.4	4544	1.3	13088	76.2	8.6	305	1.74	41	9.2	3.3	522	35.6	21.1	<0.5	63	2.54	0.044	15.0	13.0	0.06	2444	0.003	0.27	<0.01	0.15	<0.5	0.39	1.5	2.1	2.03	<5	15	2.36765		
A-10-76	433.25	433.78	0.53	853293	tr	99		VAN10006053	29.6	83.6	442.2	3304	2.5	15133	85.0	7.4	511	1.76	69	10.8	2.9	327	24.9	39.5	<0.5	106	3.04	0.049	16.2	7.9	0.07	2189	0.004	0.39	<0.01	0.21	<0.5	0.38	1.9	2.8	1.90	<5	27	2.31819	0.87	
A-10-76	433.78	434.1	0.32	853294	tr	99		VAN10006053	18.1	48.1	34.3	1156	0.7	43588	78.6	10.0	139	2.46	19	5.3	4.8	291	14.2	22.6	<0.5	57	1.55	0.022	17.9	8.3	0.35	2398	0.001	0.42	<0.01	0.14	<0.5	0.17	2.4	0.8	1.75	<5	14	2.34878	0.80	
A-10-76	434.1	434.76	0.66	853295	tr	99		VAN10006053	31.3	42.0	53.8	1517	0.9	60024	113.4	8.4	60	1.64	31	9.6	3.6	152	15.3	25.5	<0.5	186	0.41	0.028	14.7	11.2	0.22	11340	0.004	0.73	<0.01	0.12	<0.5	0.34	2.8	1.5	0.75	<5	14	2.37111	1.47	
A-10-76	434.76	435.75	0.99	853296	tr	99		VAN10006053	36.3	29.4	45.1	544	0.5	72901	99.7	8.4	107	2.05	20	9.1	2.8	153	5.5	24.5	<0.5	393	0.77	0.030	12.7	20.8	0.43	7357	0.063	2.61	<0.01	0.06	<0.5	0.18	4.9	1.0	0.77	6	7	2.42764	2.55	
A-10-76	435.75	436.15	0.4	853297	tr	99		VAN10006053	13.0	27.5	20.7	132	0.6	181987	72.6	4.1	104	1.78	12	4.8	1.6	1121	1.7	17.6	<0.5	359	2.71	0.110	8.6	27.1	0.45	2280	0.069	1.34	<0.01	0.02	<0.5	0.13	4.6	<0.5	1.02	<5	5	2.78621	1.09	
A-10-76	436.15	437.45	1.3	853298	tr	99		VAN10006053	16.4	35.7	21.9	751	0.7	80768	77.6	7.0	105	1.76	16	4.0	4.1	179	11.0	20.2	<0.5	161	1.18	0.041	17.6	14.2	0.55	17737	0.020	2.36	<0.01	0.11	<0.5	0.14	4.5	1.0	0.50	<5	12	2.54796	3.12	
A-10-76	612.95	613.62	0.67	853299	tr	99		VAN10006053	25.7	47.2	14.9	1341	<0.5	8306	69.5	9.9	109	1.52	23	7.5	5.7	177	17.3	13.5	<0.5	65	1.57	0.079	20.2	6.7	0.46	1342	0.004	0.45	<0.01	0.25	<0.5	0.07	2.7	0.8	1.22	<5	13	2.44528	1.67	
A-10-76	613.62	614.78	1.16	853300	tr	99		VAN10006053	20.8	39.0	13.2	906	<0.5	7987	49.4	7.7	238	1.42	14	6.1	5.3	270	11.3	11.7	<0.5	73	3.40	0.081	19.1	6.0	0.36	1713	0.004	0.45	<0.01	0.24	<0.5	0.07	2.6	0.8	1.17	<5	13	2.38877	2.47	
A-10-76	614.78	615.66	0.88	853301	10	90		VAN10006053	29.7	54.2	33.9	4558	1.0	8784	75.9	9.6	74	1.66	15	6.9	4.8	132	59.9	21.3	<0.5	71	0.65	0.062	19.6	6.4	0.16	1366	0.004	0.50	<0.01	0.30	<0.5	0.20	2.1	2.0	1.85	<5	22	2.37789	2.17	
A-10-76				853302			Blank (BL 108)	VAN10006053	0.6	15.2	3.5	27	<0.5	962	2.3	2.7	483	1.50	<5	1.6	4.8	11	<0.5	<0.5	<0.5	13	0.12	0.017	8.1	13.1	0.23	154	0.075	0.59	0.08	0.31	<0.5	<0.05	3.4	<0.5	<0.05	<5	<2	N.A.	0.02	
A-10-76	615.66	616.47	0.81	853303	25	75		VAN10006053	15.9	45.1	54.3	1005	1.1	8797	80.5	8.0	70	2.25	30	2.6	5.2	111	15.8	27.3	<0.5	50	0.48	0.054	20.0	5.3	0.13	1474	0.003	0.43	<0.01	0.27	<0.5	0.13	1.8	2.6	2.32	<5	26	2.50908	2.00	
A-10-76	616.47	617.67	1.2	853304	55	45		VAN10006053	23.0	62.0	87.7	18	1.9	10338	90.8	8.4	106	3.59	50	3.8	5.2	225	<0.5	40.2	<0.5	56	0.78	0.053	18.4	5.9	0.14	1113	0.004	0.44	<0.01	0.27	<0.5	0.20	2.0	3.8	3.85	<5	45	2.46543	2.81	
A-10-76	617.67	619.3	1.63	853305	10	90		VAN10006053	24.3	46.8	38.4	277	1.0	9340	63.9	8.6	71	1.64	19	5.4	5.1	201	4.0	22.3	<0.5	53	0.93	0.063	19.7	5.0	0.10	1649	0.003	0.42	<0.01	0.25	<0.5	0.10	1.8	2.2	1.72	<5	26	2.3854	3.58	
A-10-76	619.3	620.37	1.07	853306	25	75		VAN10006053	21.5	60.6	70.6	1719	2.2	9066	102.3	8.9	103	3.23	41	3.6	5.1	186	28.6	38.4	<0.5	47	0.77	0.056	18.2	5.3	0.14	1221	0.003	0.41	<0.01	0.26	<0.5	0.20	1.7	3.2	3.53	<5	45	2.46721	2.39	
A-10-76	620.37	621.57	1.2	853307	tr	99		VAN10006053	8.5	28.3	15.9	19	<0.5	8605	36.6	6.6	260	1.97	13	2.4	6.0	284	<0.5	9.7	<0.5	47	2.62	0.072	24.4	5.5	0.61	1207	0.005	0.43	<0.01	0.25	<0.5	0.06	3.3	0.8	1.12	<5	13	2.50457	2.70	
A-10-76	621.57	622.25	0.68	853308	35	65		VAN10006053	28.0	78.5	66.2	2664	2.3	9680	126.9	11.1	95	3.08	40	4.6	5.5	107	45.8	40.0	<0.5	52	0.62	0.060	18.5	5.5	0.18	1206	0.004	0.44	<0.01	0.28	<0.5	0.19	2.1	4.5	3.27	<5	55	2.40659	1.64	
A-10-76	622.25	623.45	1.2	853309	tr	99		VAN10006053	9.5	35.8	14.5	302	0.5	9197	45.1	7.8	163	2.02	14	2.4	5.8	142	4.8	9.7	<0.5	49	1.20	0.064	22.8	5.7	0.41	1553	0.004	0.48	<0.01	0.29	<0.5	<0.05	3.0	0.8	1.45	<5	14	2.52779	2.89	
A-10-76	623.45	624.54	1.09	853310	5	95		VAN10006053	20.9	51.9	25.9	2219	1.0	9027	64.3	9.3	116	1.82	19	4.8	5.6	145	35.4	16.6	<0.5	62	0.97	0.060	21.5	5.5	0.31	1119	0.004	0.49	<0.01	0.29	<0.5	0.13	2.8	1.5	1.64	<5	26	2.40057	2.14	
A-10-76	624.68	625.53	0.85	853311	55	45		VAN10006053	24.5	57.5	65.2	2278	1.9	9106	91.0	8.9	145	2.88	32	5.1	4.5	323	39.9	29.8	<0.5	61	1.37	0.047	16.5	6.2	0.26	1419	0.003	0.44	<0.01	0.26	<0.5	0.19	2.1	2.9	2.85	<5	41	2.45955	2.29	
A-10-76				853312			STD (Pb 129)	VAN10006053	4.0	2846.7	12131.7	20489	23.6	908	11.2	10.8	721	3.23	12	<0.5	0.9	64	134.4	35.8	0.8	29	0.94	0.084	8.9	22.4	1.39	177	0.090	1.73	0.04	0.21	<0.5	0.14	1.6	<0.5	1.77	<5	<2	N.A.	0.02	
A-10-76	625.53	627.1	1.57	853313	5	95		VAN10006053	28.6	44.6	38.0	2947	1.3	9020	75.5	8.6	80	1.81	22	5.8	4.7	197	42.2	22.7	<0.5	59	0.88	0.062	19.0	5.2	0.15	1686	0.003	0.43	<0.01	0.28	<0.5	0.14	1.9	2.1	1.92	<5	27	2.40657	2.88	
A-10-76	627.1	628.02	0.92	853314	60	40		VAN10006053	30.2	63.8	143.6	264	3.8	8903	99.7	7.7	124	4.76	64	3.5	4.8	213	3.5	49.6	<0.5	45	0.83	0.053	16.1	5.2	0.13	725	0.003	0.39	<0.01	0.26	<0.5	0.28	1.8	5.3	5.15	<5	33	2.5192	1.94	
A-10-76	628.02	629.42	1.4	853315	tr	99		VAN10006053	14.9	40.3	31.4	819	1.5	9837	66.2	9.0	84	1.89	23	2.3	6.2	92	11.8	18.1	<0.5	46	0.67	0.075	23.2	6.4	0.24	1536	0.004	0.48	<0.01	0.31	<0.5	0.09	2.9	1.4	1.75	<5	14	2.46771	3.31	
A-10-76	629.42	630.25	0.83	853316	tr	99		VAN10006053	12.0	50.4	11.8	1414	1.0	9427	56.9	8.9	103	1.62	15	2.2	6.7	92	16.3	12.0	<0.5	57	0.85	0.077	26.0	7.8	0.27	1410	0.005	0.56	<0.01	0.36	<0.5	0.09	2.8	0.6	1.35	<5	13	2.44286	2.51	
A-10-76	630.25	631.68	1.43	853317	tr	99		VAN10006053	8.7	39.2	7.8	1000	0.8	9661	41.1	8.3	98	1.29	13	1.6	6.3	80	11.4	8.4	<0.5	47	0.79	0.072	24.9	6.9	0.25	1420	0.005	0.56	<0.01	0.36	<0.5	0.06	3.0	0.5	0.95	<5	8	2.49595	3.10	
A-10-76	631.68	633.36	1.68	853318	tr	99		VAN10006053	10.8	35.6	8.6	1315	0.8	9419	54.6	8.8	170	1.90	15	1.9	6.0	135	16.5	9.6	<0.5	64	1.33	0.081	25.0	9.2	0.38	1783	0.005	0.66	<0.01	0.40	<0.5	0.08	3.5	0.7	1.30	<5	10	2.47167	3.31	
A-10-76	633.36	634.29	0.93	853319	40	60		VAN10006053	28.6	59.3	98.6	77	3.8	9990	110.1	7.9	165	5.37	57	2.7	4.8	186	1.4	39.7	<0.5	53	1.04	0.061	18.5	7.9	0.23	533	0.004	0.50	<0.01	0.28	<0.5	0.31	2.3	4.5	5.45	<5	24	2.67731	2.21	
A-10-76	634.29	635.48	1.19	853320	35	65		VAN10006053	24.2	44.4	75.4	28	2.3	10140	79.4	7.8	258	5.56	50	2.2	5.4	177	<0.5	27.3	<0.5	58	1.48	0.060	20.0	7.3	0.46	577	0.004	0.54	<0.01	0.33	<0.5	0.27	3.2	3.7	5.18	<5	20	2.71658	2.44	
A-10-76	635.48	636.73	1.25	853321	30	70		VAN10006053	32.0	65.0	93.3	1306	3.9	10331	112.5	8.3	167	5.29	55	3.8	4.5	194	19.3	27.6	<0.5	58	1.06	0.069	16.2	8.0	0.20	514	0.004	0.50	<0.01	0.29	<0.5	0.30	2.2	4.1	5.44	<5	23	2.58531	3.13	
A-10-76				853322			Dup of 853321 (pulp)	VAN10006053	31.8	62.0	89.6	1289	4.0	10372	105.5	8.7	162	5.20	53	3.7	4.4	207	18.7	25.6	<0.5	59	1.05	0.063	16.0	6.5	0.20	515	0.004	0.51	<0.01	0.28	<0.5	0.35	1.9	4.0	5.44	<5	25	2.58035		
A-10-76	636.73	637.76	1.03	853323	tr	99		VAN10006053	14.9	25.9	8.1	1014	0.7	11915	56.9	7.4	66	1.43	13	2.3	5.2	87	11.9	6.0	<0.5	55	0.62	0.067	21.7	6.9	0.20	3847	0.004	0.59	<0.01	0.32	<0.5	0.09	2.6	0.7	1.32	<5	9	2.47684	2.28	
A-10-76	637.76	639.29	1.53	853324	tr	99		VAN10006053	22.4	26.2	11.7	1746	0.8	10506	66.5	8.1	90	1.74	18	3.5	5.1	109	24.4	7.2	<0.5	66	0.86	0.090	22.0	9.3	0.19	2861	0.004	0.57	<0.01	0.30	<0.5	0.08	2.3	0.8	1.71	<5	12	2.40132	3.37	
A-10-76	639.29	639.78	0.49	853325	75	25		VAN10006053	33.6	85.1	154.7	38	7.3	11846	115.7	6.5	196	8.66	88	2.2	3.9	118	0.8	27.4	<0.5	43	0.78	0.048	14.5	7.8	0.14	225	0.003	0.58	<0.01	0.24	<0.5	0.47	2.0	6.6	9.28	<5	23	2.74585	1.89	
A-10-76	639.78	640.55	0.77	853326	tr	99		VAN10006053	10.5	14.2	12.7	10	0.6	14186	48.2	7.1	57	1.55	14	1.4	5.3	52	<0.5	5.5	<0.5	40	0.38	0.066	21.8	6.0	0.13	4698	0.003	0.62	<0.01	0.26	<0.5	0.09	1.8	1.0	1.52	<5	7	2.51681	1.35	
A-10-76	640.55	641.45	0.9	853327	50	50		VAN10006053	45.9	70.5	148.6	397	4.9	9392	128.3	7.8	198	8.86	87	4.6	3.4	169	5.1	24.1	<0.5	61	0.92	0.066	12.9	7.9	0.11	221	0.004	0.50	<0.01	0.24	<0.5	0.59	2.0	6.9	9.58	<5	24	2.62869	2.16	
A-10-76	641.45	642.45	1	853328	tr	99		VAN10006053	10.6	14.5	7.6	215	0.5	11364	50.1	6.9	66	1.50	15	1.6	5.5	108	2.7	4.3	<0.5	47	0.68	0.071	25.4	8.3	0.16	3458	0.004	0.60	<0.01	0.31	<0.5	0.07	2.2	0.7	1.47	<5	5	2.50637	2.76	
A-10-76	642.45	643.83	1.38	853329	75	25		VAN10006053	36.6	74.2	175.4	41	6.2	13422	112.3	6.3	231	9.62	97	2.0	3.0	66	1.2	23.1	<0.5	43	0.71	0.018	10.7	7.0	0.22	171	0.003	0.40	<0.01	0.21	<0.5	0.64	1.8	7.5	10.40	<5	24	2.70205	3.28	
A-10-76	643.83	644.95	1.12	853330	10	90		VAN10006053	43.8	28.7	26.5	3525	1.5	9635	84.0	8.7	74	2.49	23	7.2	4.6	91	38.6	7.3	<0.5	90	0.60	0.146	16.8	9.5	0.17	1981	0.004	0.54	<0.01	0.30	<0.5	0.20	2.3	1.6	2.73	<5	16	2.40563	2.78	
A-10-76	644.95	646.29	1.34	853331	tr	99		VAN10006053	39.9	25.6	15.6	3617	0.8	9733	98.5	9.0	60	1.86	21	6.4	5.1	91	37.8	6.9	<0.5	77	0.67	0.147	19.1	8.0	0.17	2350	0.004	0.52	<0.01	0.28	<0.5	0.15	2.3	1.0	2.02	<5	11	2.36143	3.07	
A-10-76				853332			Blank (BL 108)	VAN10006053	0.8	16.5	3.2	25	<0.5	960	1.3	2.4	511	1.49	<5	1.3	4.6	9	<0.5	<0.5	<0.5	13	0.14	0.018	7.7	14.5	0.21	141	0.082	0.57	0.08	0.32	<0.5	<0.05	3.3	<0.5	<0.05	<5	<2	N.A.	0.02	
A-10-76	646.29	646.92	0.63	853333	40	60		VAN10006053	29.2	80.6	125.5	41	5.1	9901	102.1	6.8	181	7.73	70	2.7	4.0	94	0.7	16.0	<0.5	48	0.77	0.073	15.1	8.8	0.21	311	0.004	0.52	<0.01	0.24	<0.5	0.32	2.0	5.0	8.19	<5	19	2.61529	1.60	

									7AX	7AX	7AX	7AX	7AX	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	WGHT	7AR.1
									Mo	Cu	Pb	Zn	Ag	Ba	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Wgt	Pb
HOLE ID	FROM	TO	LENGTH	SAMPLE #	% SULPHIDES	% SHALE	STANDARDS	CERTIFICATE #	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	NONE	KG	%
A-10-76	646.92	647.67	0.75	853334	20	80		VAN10006053	22.3	58.6	110.2	24	3.8	9538	85.6	6.9	168	6.14	58	2.0	5.6	72	<0.5	13.9	<0.5	41	0.51	0.056	20.6	7.8	0.19	538	0.004	0.57	<0.01	0.30	<0.5	0.33	2.3	4.5	6.51	<5	10	2.66411	1.79	
A-10-76	647.67	648.65	0.98	813335	tr	99		VAN10006053	6.8	11.0	9.3	8	<0.5	9982	35.3	6.6	59	1.38	11	1.2	5.7	65	<0.5	2.9	<0.5	42	0.41	0.059	25.0	7.6	0.16	2001	0.004	0.53	<0.01	0.32	<0.5	0.06	1.8	0.8	1.29	<5	4	2.5153	2.40	
A-10-76	648.65	649.77	1.12	813336	60	40		VAN10006053	39.9	107.7	234.2	42	5.9	11679	117.2	6.8	240	12.31	106	2.3	3.2	133	0.7	23.4	<0.5	44	0.79	0.044	11.9	8.6	0.18	144	0.003	0.42	<0.01	0.24	<0.5	0.65	1.7	8.1	13.51	<5	18	2.79514	2.97	
A-10-76	649.77	651.83	2.06	853337	20	80		VAN10006053	19.5	57.6	111.6	25	3.0	10087	125.1	9.6	201	6.91	62	2.2	5.6	141	<0.5	14.5	<0.5	54	1.26	0.127	21.6	10.0	0.37	410	0.004	0.54	<0.01	0.33	<0.5	0.37	3.2	4.8	6.95	<5	12	2.65892	3.72	
A-10-76	651.83	653	1.17	853338	tr	99		VAN10006053	9.9	16.0	9.2	314	<0.5	15177	41.0	7.7	243	2.14	15	1.3	6.1	222	3.2	3.4	<0.5	53	1.88	0.092	25.6	9.1	0.53	5508	0.005	0.57	<0.01	0.35	<0.5	0.06	3.7	0.6	1.24	<5	5	2.58083	2.50	
A-10-76	653	654.11	1.11	853339	tr	99		VAN10006053	10.2	15.7	6.2	1187	<0.5	14647	43.1	7.1	235	2.08	9	1.5	7.4	238	11.5	3.6	<0.5	53	2.08	0.058	28.4	6.5	0.56	5299	0.004	0.57	<0.01	0.35	<0.5	0.10	3.5	<0.5	1.12	<5	8	2.54307	2.79	
A-10-76	654.11	655.32	1.21	853340	tr	99		VAN10006053	10.3	15.0	6.2	989	<0.5	11201	39.0	7.0	198	1.86	9	1.5	7.0	174	10.1	4.0	<0.5	55	1.64	0.065	29.0	7.4	0.51	2505	0.004	0.61	<0.01	0.35	<0.5	0.09	4.0	<0.5	1.01	<5	5	2.48492	3.08	
A-10-76	655.32	656.74	1.42	853341	tr	99		VAN10006053	10.7	22.2	6.4	1279	<0.5	10841	38.8	7.7	196	1.93	8	1.7	7.7	169	12.3	4.4	<0.5	52	1.70	0.068	28.9	7.7	0.51	2325	0.004	0.59	<0.01	0.36	<0.5	0.09	3.7	0.6	1.07	<5	6	2.51015	3.28	
A-10-76				853342			Duplicate of 853341 (pulp)	VAN10006053	10.4	26.2	5.9	1254	<0.5	11446	38.6	7.3	191	1.90	8	1.7	7.9	170	11.7	4.0	<0.5	52	1.67	0.072	28.4	6.3	0.51	2315	0.005	0.58	<0.01	0.37	<0.5	0.11	3.9	0.6	1.05	<5	5	2.50452		
A-10-76	656.74	658.06	1.32	853343	tr	99		VAN10006053	10.0	20.0	6.0	1202	<0.5	11102	37.4	7.3	200	1.91	8	1.5	7.7	172	12.3	3.7	<0.5	53	1.76	0.063	28.3	6.0	0.53	1881	0.004	0.60	<0.01	0.37	<0.5	0.07	3.8	0.5	0.99	<5	6	2.48912	3.06	
A-10-76	658.06	659.38	1.32	853344	tr	99		VAN10006053	9.1	28.9	5.7	1199	<0.5	10897	32.9	7.2	209	2.04	8	1.5	7.0	197	10.9	3.9	<0.5	49	1.82	0.059	27.8	6.0	0.53	2310	0.005	0.57	<0.01	0.37	<0.5	0.06	3.8	0.6	1.05	<5	5	2.45395	3.38	
A-10-76	659.38	660.82	1.44	853345	tr	99		VAN10006053	9.1	30.5	6.7	1233	<0.5	9707	37.3	7.7	229	2.07	8	1.6	7.4	187	11.9	3.5	<0.5	50	1.87	0.061	26.9	7.8	0.55	1603	0.005	0.58	<0.01	0.35	<0.5	0.06	4.1	0.6	1.02	<5	6	2.53136	3.39	
A-10-76	660.82	661.88	1.06	853346	tr	99		VAN10006053	9.2	22.5	6.7	1029	<0.5	9209	42.3	6.8	310	2.63	9	1.8	7.6	259	10.9	4.1	<0.5	56	2.65	0.066	29.3	7.9	0.70	1596	0.005	0.59	<0.01	0.38	<0.5	0.09	4.5	0.5	1.12	<5	6	2.54197	2.51	
A-10-76	661.88	662.92	1.04	853347	5	95		VAN10006053	9.5	16.3	9.1	340	<0.5	9053	39.2	7.1	305	2.56	10	1.9	6.8	236	3.2	2.7	<0.5	50	2.54	0.070	26.7	6.0	0.70	1600	0.004	0.53	<0.01	0.32	<0.5	0.06	4.0	0.7	1.24	<5	2	2.5816	2.18	
A-10-76	662.92	663.63	0.71	853348	65	35		VAN10006053	29.6	112.6	193.4	57	5.8	10486	128.9	7.3	199	9.31	84	1.5	4.0	54	0.5	20.5	<0.5	36	0.44	0.041	13.8	6.1	0.17	155	0.004	0.43	<0.01	0.27	<0.5	0.44	2.0	6.5	10.27	<5	19	2.75965	1.95	
A-10-76	663.63	664.51	0.88	853349	tr	99		VAN10006053	8.5	11.6	6.2	679	<0.5	10027	37.6	6.6	37	1.12	11	1.4	5.1	44	6.7	3.3	<0.5	38	0.28	0.061	21.4	6.1	0.11	1338	0.004	0.49	<0.01	0.30	<0.5	0.07	2.2	0.6	1.13	<5	5	2.47752	1.77	
A-10-76	664.51	666.17	1.66	853350	tr	99		VAN10006053	11.3	13.0	7.7	823	<0.5	11054	43.9	7.1	28	1.29	11	1.7	5.8	54	8.4	4.0	<0.5	41	0.26	0.065	22.2	7.2	0.10	1828	0.004	0.52	<0.01	0.31	<0.5	0.07	2.3	0.6	1.36	<5	6	2.46008	2.85	
A-10-76	666.17	666.86	0.69	853351	40	60		VAN10006053	37.8	85.6	204.7	40	6.4	9856	121.7	8.1	228	9.52	90	2.8	4.4	150	0.8	21.9	<0.5	45	0.76	0.050	13.6	7.9	0.14	288	0.003	0.42	<0.01	0.27	<0.5	0.56	2.6	8.0	10.16	<5	19	2.72944	1.88	
A-10-76	666.86	667.78	0.92	853352	10	90		VAN10006053	13.9	28.2	39.7	59	1.3	10984	57.9	8.1	199	2.84	22	2.1	5.9	255	0.7	6.2	<0.5	37	1.84	0.064	21.9	7.1	0.36	1961	0.003	0.46	<0.01	0.29	<0.5	0.13	3.1	2.0	2.62	<5	6	2.55443	2.09	
A-10-76	667.78	669.59	1.81	853353	tr	99		VAN10006053	25.7	17.8	12.2	1919	0.8	9297	62.0	9.5	125	1.78	14	4.8	5.6	194	23.0	4.9	<0.5	53	1.44	0.127	23.1	8.4	0.29	1533	0.004	0.50	<0.01	0.30	<0.5	0.12	2.8	1.0	1.63	<5	9	2.42221	3.97	
A-10-76	669.59	670.92	1.33	853354	tr	99		VAN10006053	25.8	16.9	10.1	2562	0.8	10442	58.8	9.0	114	1.64	15	4.5	5.0	218	30.7	4.8	<0.5	46	1.58	0.121	21.0	7.0	0.21	2093	0.003	0.44	<0.01	0.27	<0.5	0.12	2.6	1.0	1.62	<5	9	2.40061	2.56	
A-10-76	670.92	672.21	1.29	853355	tr	99		VAN10006053	5.6	11.0	6.3	182	<0.5	9484	29.1	6.4	101	1.06	9	1.2	6.4	93	1.7	2.0	<0.5	34	0.96	0.070	25.8	6.7	0.35	1473	0.003	0.53	<0.01	0.33	<0.5	<0.05	3.2	0.6	0.77	<5	3	2.51888	3.03	
A-10-76	672.21	673.6	1.39	853356	tr	99		VAN10006053	5.6	11.2	7.1	146	<0.5	9944	31.3	6.9	102	1.08	9	1.3	6.1	72	1.6	2.3	<0.5	32	0.83	0.073	24.7	6.1	0.37	1326	0.003	0.49	<0.01	0.31	<0.5	0.06	3.3	0.6	0.79	<5	3	2.49622	3.02	
A-10-76	673.6	675.24	1.64	853357	tr	99		VAN10006053	7.6	17.8	16.5	631	0.6	9409	49.3	9.4	103	1.63	17	1.3	5.2	72	7.9	4.1	<0.5	32	0.85	0.063	22.6	6.0	0.30	1143	0.003	0.45	<0.01	0.29	<0.5	0.06	2.8	0.9	1.42	<5	5	2.51351	2.50	
A-10-76	675.24	677	1.76	853358	tr	99		VAN10006053	16.9	34.2	64.6	134	1.8	8536	63.4	8.0	216	2.92	27	2.1	4.3	350	1.5	8.2	<0.5	41	3.09	0.055	17.4	7.3	0.33	1513	0.003	0.42	<0.01	0.27	<0.5	0.15	2.6	1.6	2.70	<5	9	2.43316	4.12	
A-10-76	677	677.59	0.59	853359	40	60		VAN10006053	18.0	49.1	76.1	710	3.3	9483	92.3	7.7	99	3.51	40	1.7	2.8	79	8.1	10.8	<0.5	29	0.47	0.016	17.0	5.7	0.12	1228	0.002	0.36	<0.01	0.23	<0.5	0.15	1.4	2.8	3.77	<5	11	2.55714	1.53	
A-10-76	677.59	678.33	0.74	853360	tr	99		VAN10006053	8.5	17.0	13.8	416	0.6	10923	46.7	7.4	45	1.32	11	1.1	3.3	33	4.4	3.8	<0.5	25	0.23	0.015	19.2	4.5	0.15	1418	0.002	0.36	<0.01	0.23	<0.5	0.06	1.8	0.7	1.30	<5	5	2.45703	1.68	
A-10-76	678.33	679	0.67	853361	tr	99		VAN10006053	7.2	15.6	12.5	53	0.5	10056	43.7	7.5	66	1.40	10	1.3	3.3	40	0.5	3.0	<0.5	30	0.30	0.033	18.8	5.3	0.19	1354	0.003	0.45	<0.01	0.25	<0.5	0.05	2.0	0.6	1.30	<5	4	2.40651	2.25	
A-10-76				853362			Duplicate of 853361 (coarse)	VAN10006053	7.2	14.4	12.5	51	0.5	9981	42.7	7.3	63	1.36	12	1.2	3.8	40	<0.5	2.8	<0.5	27	0.31	0.029	18.8	5.2	0.18	1289	0.003	0.39	<0.01	0.24	<0.5	0.05	1.9	0.6	1.27	<5	3	2.42514		
A-10-76	679	680	1	853363	75	25		VAN10006053	47.1	87.8	301.0	42	9.5	7820	126.2	7.1	401	13.27	108	2.7	3.3	216	0.7	27.1	<0.5	36	1.94	0.030	9.7	7.9	0.20	248	0.003	0.33	<0.01	0.20	<0.5	0.83	2.0	11.9	14.41	<5	19	2.68808	2.48	
A-10-76	680	681.07	1.07	853364	tr	99		VAN10006053	6.9	12.0	11.6	294	<0.5	10859	38.9	6.6	83	1.47	10	1.2	5.2	52	3.5	3.0	<0.5	30	0.61	0.047	20.1	6.0	0.26	1378	0.003	0.43	<0.01	0.27	<0.5	0.07	2.4	0.8	1.32	<5	4	2.47334	2.52	
A-10-76	681.07	682.51	1.44	853365	tr	99		VAN10006053	9.3	14.4	10.1	557	<0.5	11103	45.9	8.3	114	1.63	13	1.6	5.9	98	7.0	4.2	<0.5	31	0.95	0.049	23.5	5.7	0.33	2163	0.003	0.39	<0.01	0.26	<0.5	0.06	2.7	0.8	1.34	<5	4	2.45646	3.04	
A-10-76	682.51	683.88	1.37	853366	tr	99		VAN10006053	7.2	21.7	16.8	1565	1.5	2909	26.6	2.7	180	1.56	9	1.2	0.9	312	16.8	3.8	<0.5	24	2.09	0.027	4.2	12.4	0.28	1050	0.001	0.15	<0.01	0.09	<0.5	0.07	0.7	0.7	1.12	<5	5	2.48331	3.03	
A-10-76	683.88	685	1.12	853367	tr	99		VAN10006053	12.7	26.4	11.8	1816	2.0	4342	36.1	3.6	170	1.42	10	2.4	1.6	272	20.5	5.4	<0.5	39	1.81	0.054	7.6	10.9	0.28	1547	0.002	0.21	<0.01	0.13	<0.5	0.07	1.0	<0.5	0.95	<5	8	2.46734	2.83	
A-10-76	685	686.29	1.29	853368	tr	99		VAN10006053	38.6	62.5	31.5	2870	4.7	8360	102.9	10.0	29	2.36	35	8.0	4.7	69	32.1	15.2	<0.5	86	0.39	0.161	19.6	11.2	0.05	1240	0.004	0.45	<0.01	0.26	<0.5	0.18	1.7	1.1	2.56	<5	22	2.26188	2.92	
A-10-76	686.29	687.09	0.8	853369	tr	99		VAN10006053	42.3	57.6	32.5	3379	4.6	9242	107.2	10.5	34	2.48	35	9.1	5.9	87	34.6	15.2	<0.5	87	0.56	0.177	21.3	10.7	0.06	1335	0.004	0.46	<0.01	0.28	<0.5	0.20	1.8	1.1	2.72	<5	24	2.17272	1.78	
A-10-76	687.09	687.95	0.86	853370	5	95		VAN10006053	18.3	37.1	26.4	1406	2.8	9614	69.9	8.8	82	2.00	22	3.7	5.3	105	13.6	9.8	<0.5	49	0.68	0.096	21.6	7.3	0.11	1953	0.003	0.39	<0.01	0.27	<0.5	0.12	2.0	1.0	2.02	<5	11	2.38726	1.99	
A-10-76	687.95	688.55	0.6	853371	60	40		VAN10006053	24.4	87.3	173.7	36	10.6	8848	105.7	7.8	307	7.36	62	2.5	5.0	221	<0.5	29.4	<0.5	38	1.69	0.067	14.8	7.5	0.39	464	0.003	0.40	<0.01	0.25	<0.5	0.34	2.5	5.1	7.58	<5	18	2.5611	1.38	
A-10-76				853372			Blank (BL 108)	VAN10006053	0.7	14.6	3.4	26	<0.5	956	1.5	2.5	491	1.48	<5	1.9	5.0	9	<0.5	<0.5	<0.5	13	0.12	0.020	7.4	12.2	0.23	161	0.073	0.59	0.08	0.30	<0.5	<0.05	3.1	<0.5	<0.05	<5	<2	N.A.	0.02	
A-10-76	688.55	690.3	1.75	853373	tr	99		VAN10006053	11.1	15.3	12.0	325	0.6	10079	46.3	7.1	228	1.99	11	2.0	6.7	142	2.9	5.1	<0.5	44	1.83	0.068	26.1	6.5	0.53	1841	0.004	0.48	<0.01	0.31	<0.5	<0.05	3.6	0.8	1.19	<5	5	2.45334	3.49	
A-10-76	690.3	690.8	0.5	853374	60	40		VAN10006053	31.8	141.3	265.9	57	13.4	7941	147.7	8.3	330	11.02	88	2.2	3.9	317	0.7	39.5	<0.5	36	2.31	0.043	10.8	6.9	0.26	265	0.003	0.34	<0.01	0.23	<0.5	0.48	2.5	9.9	11.76	<5	22	2.68573	1.51	
A-10-76	690.8	691.8	1	853375	tr	99		VAN10006053	8.4	18.4	11.9	362	0.8	10278	40.0	7.9	127	1.56	10	1.6	6.1	83	3.3	4.7	<0.5	34	0.97	0.081	22.6	5.8	0.29	2020	0.003	0.42	<0.01	0.28	<0.5	0.05	2.8	0.8	1.20	<5	4	2.42166	2.14	
A-10-76	691.8	693.22	1.42	853376	tr	99		VAN10006053	12.5	35.0	13.1	1204	1.3	9980	53.1	9.0	120	1.70	15	2.1	6.3	86	11.4	6.2	<0.5	37	0.91	0.093	23.2	6.1	0.26	1689	0.003	0.42	<0.01	0.29	<0.5	0.07	3.0	0.8	1.43	<5	8	2.35585	3.21	
A-10-76	693.65	694.65	1	853377	tr	99		VAN10006053	9.7	41.7	8.7	1022	0.8	11009	45.4	9.0	109	1.46	12	1.7	6.1	91	9.2	5.4	<0.5	30	0.88	0.087	23.0	6.1	0.24	2234	0.003	0.42	<0.01	0.29	<0.5	0.05	3.3	0.7	1.22	<5	5	2.41784	3.25	
A-10-76	694.65	695.86	1.21	853378	tr	99		VAN10006053	9.1	41.9	8.6	1119	0.9	11152	41.7	9.0	74	1.26	12	1.5	6.0	74	9.5	4.6	<0.5	34	0.71	0.079	24.3	6.1	0.19	2473	0.004	0.46	<0.01	0.31	<0.5	<0.05	2.6	0.6	1.13	<5	6	2.41443	3.23	
A-10-76	695.86	696.75	0.89	853379	tr	99		VAN10006053	9.4	36.8	7.9	1096	0.9	11507	42.8	9.0	69	1.25	11	1.6	6.1	74	10.0	4.7	<0.5	29	0.66	0.084	24.7	5.6	0.17	2725	0.003	0.41	<0.01	0.29	<0.5	0.06	2.2	0.7	1.14	<5	5	2.38465	3.10	
A-10-76	696.75	698.05	1.3	853380	tr	99		VAN10006053	10.0	25.8	8.9	1283	0.8	11595	50.1	9.1	69	1.33	12	1.9	5.9	95	12.5	5.2	<0.5	33	0.74	0.092	23.6	6.1	0.16	2999	0.004	0.46	<0.01	0.29	<0.5	0.08	2.3	0.7	1.28	<5	7	2.36561	2.78	
A-10-76	698.05	698.83	0.78	853381	10	90		VAN10006053	13.8	29.8	24.3	1583	1.8	11521	72.1	8.3	91	1.98	21	2.1	5.7	98	14.9	6.1	<0.5	30	0.69	0.088	21.4	6.5	0.12	3438	0.003	0.42	<0.01	0.24	<0.5	0.10	2.0	1.3	2.01	<5	7	2.36009	1.77	
A-10-76				853382			Duplicate of 853381 (pulp)	VAN10006053	12.8	28.4	23.9	1560	1.7	11769	69.6	7.9	91	1.94	19	2.1	5.4	96	14.6	5.8	<0.5	30	0.68	0.090	19.7	6.1	0.12	3307	0.003	0.40	<0.01	0.23	<0.5	0.15	1.9	1.2	1.98	<5	7	2.3589		
A-10-76	698.83	700.39	1.56	853383	70	30		VAN10006053	34.0	62.6	270.6	46	7.9	11402	101.2	5.6	382	12.46	90	2.1	3.4	143	1.0	21.2	<0.5	36	1.22	0.043	10.4	7.5	0.21	183	0.003	0.39	<0.01	0.20	<0.5	0.84	2.1	10.1	13.43	<5	14	2.66297	3.14	
A-10-76	700.39	701.34	0.95	853384	50	50		VAN10006053	32.4	50.5	294.4	2384	5.0	10586	109.6	6.8	349	11.82	85	3.0	3.5	142	26.1	18.2	<0.5	42	1.27	0.060	11.7	7.2	0.20	207	0.003	0.38	<0.01	0.21	<0.5	0.98	2.2	13.0	12.72	<5	14	2.63839	2.45	
A-10-76	701.34	702.21	0.87	853385	15	85		VAN10006053	18.5	48.8	134.0	232	3.1	9852	77.3	5.9	497	5.96	54	1.6	3.9	335	2.9	11.4	<0.5	37	4.49	0.057	13.1	6.0	0.32	500	0.003	0.33	<0.01	0.21	<0.5	0.39	2.4	5.6	6.00	<5	12	2.58433	2.17	
A-10-76	702.21	702.88	0.67	853386	tr	99		VAN10006053	11.7	12.3	7.0	1262	<0.5	8166	39.8	5.6	482	2.53	11	2.9	4.7	594	10.3	2.5	<0.5	50	5.88	0.058	20.6	4.7	1.05	2796	0.003	0.39	<0.01	0.23	<0.5	0.13	2.1	0.7	1.19	<5	6	2.46308	1.42	
A-10-76	702.88	703.79	0.91	853387	tr	99		VAN10006053	28.6	19.3	14.3	3958	0.6	9389	76.7	8.2	408	2.53	20	6.9	4.3	756	32.7	6.1	<0.5	77	5.86	0.100	19.4	9.7	0.68	2633	0.004	0.49	<0.01	0.27	<0.5	0.17	1.9	1.2	1.91	<5	13	2.19563	2.04	
A-10-76	703.79	704.2	0.41	853388	15	85		VAN10006053	35.0	80.7	108.6	2235	3.9	12303	160.5	10.9	182	6.03	66	5.4	5.2	235	19.3	19.3	<0.5	58	1.41	0.085	16.9	7.9	0.14	321	0.004	0.48	<0.01	0.28	<0.5	0.43	2.0	4.6	7.05	<5	19	2.39841	1.33	
A-10-76	704.2	705.28	1.08	853389	5	95		VAN10006053	6.0	16.7	11.0	444	<0.5	12409	44.4	6.7	76	1.35	13	1.3	6.3	95	4.0	3.3	<0.5	37	0.71	0.055	23.5	5.4	0.18	3078	0.004	0.51	<0.01	0.30	<0.5	0.07	1.5	0.8	1.36	<5	5	2.43583	2.37	
A-10-76	705.28	706.18	0.9	853390	10	90		VAN10006053	34.7	55.5	158.4	1075	3.9	11203	118.6	8.6	238	7.41	68	4.7	4.6	171	11.1	15.8	<0.5	65	1.23	0.084	15.2	8.2	0.17	189	0.004	0.48	<0.01	0.26	<0.5	0.57	1.8	6.0	8.57	<5	13	2.46999	2.01	
A-10-76	706.18	706.84	0.66	853391	50	50		VAN10006053	21.6	45.6	286.1	464	4.1	14225	79.6	5.5	357	10.67	74	1.5	3.4	174	5.8	17.3	<0.5	57	1.39	0.034	12.5	7.3	0.25	108	0.004	0.44	<0.01	0.25	<0.5	0.73	1.7	9.2	12.35	<5	17	2.69887	1.94	
A-10-76				853392			Duplicate of 853391 (coarse)	VAN10006053	20.1	44.6	272.7	404	3.8	14845	78.5	5.3	341	10.28	73	1.5	3.4	172	4.4	16.2	<0.5	52	1.41	0.034	12.1	6.8	0.25	108	0.003	0.42	<0.01	0.24	<0.5	0.81	1.7	8.7	11.93	<5	14	2.69368		
A-10-76	706.84	708.06	1.22	853393	80	20		VAN10006053	33.5	52.8	337.6	796	5.0	7343	108.1	5.0	381	15.11	103	2.2	2.6	160	8.7	27.2	<0.5	63	1.17	0.033	9.1	7.5	0.16	98	0.003	0.36	<0.01	0.21	<0.5	1.05	1.4	13.0	18.21	<5	24	2.80521	2.90	
A-10-76	708.06	709.33	1.27	853394	tr	99		VAN10006053	11.4	13.5	10.8	1126	<0.5	11220	49.3	7.4	63	1.33	12	2.5	6.1	60	10.7	4.2	<0.5	44	0.39	0.065	23.5	7.0	0.13	2626	0.004	0.50	<0.01	0.29	<0.5	0.12	1.8	1.1	1.48	<5	6	2.34278	3.00	
A-10-76	709.33	709.72	0.39	853395	75	25		VAN10006053	27.7	80.1	170.8	3344	5.9	7717	125.6	8.6	245	8.59	70	2.5	4.2	157	35.8	24.4	<0.5	58	1.05	0.050	14.1	7.7	0.15	167	0.004	0.45	<0.01	0.27	<0.5	0.64	1.9	6.6	10.17	<5	20	2.62612	1.03	
A-10-76	709.72	710.47	0.75	853396	15	20		VAN10006053	26.4	38.4	60.3	2191	2.1	11749	99.6	9.0	142	3.57	39	4.6	5.3	111	23.0	15.1	<0.5	58	0.78	0.072	18.9	5.9	0.17	533	0.004	0.48	<0.01	0.30	<0.5	0.26	2.1	2.9	4.23	<5	13	2.50197	1.64	
A-10-76	710.47	711.54	1.07	853397	20	90		VAN10006053	29.3	67.8	145.3	992	5.6	9393	93.3	7.1	274	6.29	58	3.2	4.3	172	12.0	24.1	<0.5	63	1.34	0.051	14.3	6.9	0.19	230	0.004	0.46	<0.01	0.29	<0.5	0.37	1.9	5.2	7.18	<5	19	2.47109	2.64	
A-10-76	711.54	712.78	1.24	853398	10	90		VAN10006053	10.4	43.7	67.5	527	2.7	10704	62.7	6.4	187	3.35	30	1.7	5.3	187	5.3	13.4	<0.5	40	1.43	0.049	18.6	5.6	0.16	525	0.004	0.46	<0.01	0.29	<0.5	0.21	1.6	3.4	3.80	<5	11	2.55488	2.51	
A-10-76	712.78	714.04	1.26	853399	tr	99		VAN10006053	7.4	19.8	10.1	1144	<0.5	9765	35.8	7.5	139	1.33	9	1.5	5.9	141	10.1	5.0	<0.5	41	1.26	0.061	22.6	6.8	0.31	1613	0.004	0.52	<0.01	0.33	<0.5	0.09	2.7	0.8	1.02	<5	6	2.42353	3.10	
A-10-76	714.04	715.16	1.12	853400	tr	99		VAN10006053	8.2	35.6	7.0	1347	0.7	10240	35.6	9.0	77	1.13	11	2.0	6.9	92	11.7	6.1	<0.5	42	0.79	0.066	23.7	7.1	0.19	1458	0.004	0.55	<0.01	0.34	<0.5	0.06	2.4	0.7	1.07	<5	11	2.49472	2.40	
A-10-76	715.16	716.06	0.9	853401	tr	99		VAN10006053	8.8	38.7	6.9	1315	0.8	10439	40.8	7.9	76	1.16	10	1.8	6.9	85	11.8	6.4	<0.5	43	0.76	0.066	24.3	6.2	0.20	1619	0.004	0.57	<0.01	0.36	<0.5	0.07	2.4	0.8	1.08	<5	8	2.41247	2.07	
A-10-76				853402			Blank (BL 108)	VAN10006053	<0.5	12.3	3.6	24	<0.5	979	1.2	2.4	515	1.47	<5	1.3	4.9	10	<0.5	<0.5	<0.5	13	0.12	0.016	7.4	12.1	0.21	131	0.081	0.58	0.09	0.29	<0.5	<0.05	3.0	<0.5	<0.05	<5	<2	N.A.	0.02	
A-10-76	716.06	717.07	1.01	853403	tr	99		VAN10006053	7.6	36.2	6.8	1257	0.7	10664	40.4	7.7	64	1.03	11	1.8	6.6	110	12.2	6.4	<0.5	35	0.84	0.060	23.4	5.0	0.14	1364	0.004	0.47	<0.01	0.31	<0.5	0.08	2.1	0.7	1.06	<5	10	2.4565	2.34	
A-10-76	717.07	718	0.93	853404	tr	99		VAN10006053	10.3	36.9	8.2	1579	0.7	10279	49.8	7.7	55	1.18	13	2.1	6.6	82	14.2	6.8	<0.5	45	0.64	0.068	24.6	6.7	0.16	1574	0.004	0.53	<0.01	0.33	<0.5	0.06	1.9	0.8	1.26	<5	12	2.37843	2.11	
A-10-76	718	718.68	0.68	853405	tr	99		VAN10006053	12.3	22.4	10.9	2523	0.8	9823	54.3	7.6	73	1.34	14	2.7	6.7	78	23.6	8.5	<0.5	42	0.68	0.073	23.0	5.8	0.20	1549	0.004	0.47	<0.01	0.29	<0.5	0.13	1.7	0.8	1.47	<5	13	2.42779	1.63	
A-10-76	718.68	719.78	1.1	853406	55	45		VAN10006053	20.4	64.6	198.3	447	5.5	13239	88.2	6.9	349	7.94	60	2.2	4.8	219	4.7	32.8	<0.5	59	2.14	0.049	15.2	5.9	0.51	159	0.004	0.47	<0.01	0.27	<0.5	0.44	2.7	5.8	8.89	<5	26	2.67951	2.16	
A-10-76	719.78	720.27	0.49	853407	75	25		VAN10006053	27.5	49.8	153.1	27	3.3	10402	91.5	6.6	253	6.66	54	3.9	4.9	170	<0.5	33.7	<0.5	54	1.27	0.040	15.3	5.3	0.25	230	0.003	0.42	<0.01	0.25	<0.5	0.46	2.1	5.5	7.77	<5	23	2.52778	1.37	
A-10-76	720.27	720.94	0.67	853408	10	90		VAN10006053	9.8	17.2	24.9	572	0.6	8618	52.2	6.4	408	2.69	13	2.2	5.6	194	5.4	8.3	<0.5	53	2.87	0.055	20.6	6.1	0.91	1934	0.004	0.45	<0.01	0.25	<0.5	0.08	3.1	1.2	1.73	<5	9	2.46965	1.62	
A-10-76	720.94	721.57	0.63	853409	15	85		VAN10006053	15.8	27.4	56.4	1280	1.0	14985	64.0	6.7	132	2.67	21	3.2	5.1	120	13.5	16.0	<0.5	46	0.84	0.051	18.9	4.9	0.19	624	0.003	0.54	<0.01	0.25	<0.5	0.16	1.8	1.9	2.91	<5	15	2.46445	1.51	
A-10-76	721.57	722.08	0.51	853410	75	25		VAN10006053	36.0	102.6	420.1	3291	6.0	9767	122.9	6.7	355	12.01	81	5.1	3.2	270	30.3	63.4	<0.5	66	1.73	0.041	9.3	5.4	0.09	108	0.003	0.43	<0.01	0.23	<0.5	0.67	1.7	17.1	14.56	<5	46	2.6955	1.50	
A-10-76	722.08	723.08	1	853411	tr	99		VAN10006053	7.5	22.5	21.1	1251	<0.5	13435	51.4	7.2	50	1.14	11	1.8	5.5	50	12.3	8.2	<0.5	32	0.35	0.052	20.6	4.8	0.11	3176	0.003	0.54	<0.01	0.26	<0.5	0.08	1.4	1.2	1.27	<5	12	2.47708	2.23	
A-10-76				853412			Duplicate of 853411 (pulp)	VAN10006053	8.5	23.4	21.0	1271	<0.5	13062	52.5	7.4	52	1.17	12	1.8	5.4	52	10.9	7.9	<0.5	33	0.35	0.057	21.4	4.7	0.11	3125	0.003	0.55	<0.01	0.27	<0.5	0.10	1.3	1.1	1.27	<5	10	2.47307		
A-10-76	723.04	724.33	1.29	853413	tr	99		VAN10006053	13.1	22.2	11.7	2376	<0.5	10974	53.8	7.8	50	1.20	13	2.7	6.5	67	22.1	8.7	<0.5	49	0.47	0.061	22.9	7.0	0.13	2452	0.004	0.53	<0.01	0.30	<0.5	0.12	1.7	0.9	1.40	<5	12	2.42427	2.81	
A-10-76	724.33	725.16	0.83	853414	50	50		VAN10006053	30.9	74.2	159.4	1833	3.4	9387	102.3	7.2	217	6.49	48	4.9	4.7	128	21.9	43.2	<0.5	61	0.81	0.055	15.1	5.8	0.13	265	0.003	0.45	<0.01	0.26	<0.5	0.43	1.3	5.2	7.71	<5	30	2.48702	2.19	

									7AX	7AX	7AX	7AX	7AX	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	WGHT	7AR.1
									Mo	Cu	Pb	Zn	Ag	Ba	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Wgt	Pb
HOLE ID	FROM	TO	LENGTH	SAMPLE #	% SULPHIDES	% SHALE	STANDARDS	CERTIFICATE #	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	NONE	KG	%
A-10-76	725.16	726.01	0.85	853415	20	80		VAN10006053	15.1	36.2	53.7	2939	1.1	10160	68.4	7.8	134	2.40	19	2.9	5.9	78	28.2	16.5	<0.5	50	0.65	0.057	19.2	5.8	0.20	1161	0.004	0.49	<0.01	0.29	<0.5	0.19	2.0	2.4	2.73	<5	17	2.42934	1.70	
A-10-76	726.01	726.89	0.88	853416	15	85		VAN10006053	19.2	40.6	49.7	2166	1.2	11287	75.2	8.1	131	2.57	26	3.7	5.7	118	21.1	20.9	<0.5	53	0.78	0.061	19.5	5.8	0.17	928	0.004	0.50	<0.01	0.30	<0.5	0.21	1.4	2.2	2.92	<5	21	2.35315	2.11	
A-10-76	726.89	728.18	1.29	853417	55	45		VAN10006053	21.1	57.8	107.1	2279	2.2	10565	84.2	7.0	251	4.34	30	3.5	4.8	286	22.7	31.9	<0.5	57	1.87	0.052	17.6	5.3	0.21	419	0.004	0.47	<0.01	0.28	<0.5	0.24	1.8	4.1	5.10	<5	40	2.43631	2.14	
A-10-76	728.18	728.67	0.49	853418	tr	99		VAN10006053	9.8	18.5	13.2	2408	<0.5	12273	41.6	6.0	103	1.29	12	2.2	5.6	85	23.1	7.6	<0.5	40	0.72	0.056	21.0	5.5	0.23	3364	0.004	0.45	<0.01	0.28	<0.5	0.11	2.2	0.8	1.35	<5	10	2.35441	0.95	
A-10-76	728.67	729.91	1.24	853419	25	75		VAN10006053	22.2	46.5	80.1	1928	1.5	12454	75.6	8.5	132	3.02	29	3.6	5.8	106	21.4	24.9	<0.5	52	0.70	0.057	18.8	5.5	0.15	564	0.004	0.54	<0.01	0.27	<0.5	0.21	1.4	3.2	3.50	<5	34	2.40988	2.85	
A-10-76	729.91	730.63	0.72	853420	40	60		VAN10006053	29.4	66.8	152.5	682	3.6	12425	99.7	6.9	235	5.68	53	3.5	4.8	144	7.6	43.6	<0.5	53	1.09	0.056	15.5	6.3	0.19	281	0.004	0.56	<0.01	0.25	<0.5	0.35	1.8	5.7	6.57	<5	29	2.4743	2.43	
A-10-76	730.63	731.68	1.05	853421	tr	99		VAN10006053	20.9	26.6	23.9	3018	1.1	10176	74.8	7.7	192	1.97	21	4.0	4.7	132	34.7	13.3	<0.5	76	1.46	0.061	19.1	8.5	0.26	3359	0.004	0.63	<0.01	0.31	<0.5	0.14	3.1	1.5	1.94	<5	17	2.3652	2.65	
A-10-76				853422			Blank (BL 108)	VAN10006053	0.6	13.2	3.4	28	<0.5	915	1.8	2.5	487	1.45	<5	1.5	5.0	9	<0.5	<0.5	<0.5	14	0.15	0.017	8.4	13.4	0.19	140	0.084	0.57	0.09	0.32	<0.5	<0.05	3.8	<0.5	<0.05	<5	<2	N.A.	0.02	
A-10-76	731.68	732.7	1.02	853423	10	90		VAN10006053	28.2	49.7	86.9	279	2.9	9623	85.3	7.2	124	3.60	45	3.8	4.4	56	3.3	30.6	<0.5	65	0.59	0.058	17.3	7.2	0.12	745	0.004	0.53	<0.01	0.25	<0.5	0.25	2.0	3.1	4.13	<5	22	2.4318	2.33	
A-10-76	732.7	733.98	1.28	853424	tr	99		VAN10006053	7.2	19.1	24.5	549	1.2	3773	34.4	3.9	320	1.65	25	1.1	1.5	183	6.3	9.6	<0.5	42	2.47	0.035	6.8	10.7	0.14	1447	0.003	0.24	<0.01	0.15	<0.5	<0.05	1.6	1.0	1.60	<5	6	2.45596	2.72	
A-10-76	733.98	735	1.02	853425	tr	99		VAN10006053	31.1	56.2	62.4	4784	5.0	9021	108.9	7.9	80	3.50	54	5.5	4.6	101	58.8	16.8	<0.5	172	1.10	0.210	20.4	23.3	0.07	951	0.007	0.66	<0.01	0.36	<0.5	0.26	2.3	1.6	4.36	<5	27	2.21785	2.52	
A-10-76	735	736.04	1.04	853426	10	90		VAN10006053	28.4	69.9	251.9	27	6.8	8403	97.3	7.5	161	6.41	64	2.4	5.0	84	<0.5	29.9	<0.5	68	0.69	0.056	18.6	11.9	0.06	404	0.005	0.57	<0.01	0.33	<0.5	0.35	2.1	6.8	7.49	<5	25	2.6329	2.41	
A-10-76	736.04	736.44	0.4	853427	tr	99		VAN10006053	11.2	27.3	51.7	807	1.3	9203	72.3	7.9	65	1.81	21	1.8	5.3	46	11.3	9.1	<0.5	57	0.44	0.061	21.8	8.8	0.10	1583	0.005	0.63	<0.01	0.36	<0.5	0.13	2.4	1.9	2.05	<5	12	2.51269	0.95	
A-10-76	736.44	737.52	1.08	853428	15	85		VAN10006053	21.5	47.3	133.6	396	2.7	8062	85.9	7.1	167	3.93	42	2.6	5.0	100	5.6	19.0	<0.5	67	1.06	0.067	21.1	10.1	0.14	895	0.005	0.55	<0.01	0.35	<0.5	0.23	2.1	3.7	4.62	<5	18	2.45334	2.07	
A-10-76	737.52	738	0.48	853429	tr	99		VAN10006053	10.7	24.4	25.9	503	1.0	7417	58.1	6.9	206	1.57	18	2.2	5.4	63	7.1	6.6	<0.5	68	1.25	0.068	28.8	9.5	0.34	1182	0.006	0.59	<0.01	0.36	<0.5	0.10	3.2	1.3	1.29	<5	11	2.4099	1.15	
A-10-76	738	738.61	0.61	853430	15	85		VAN10006053	46.0	72.0	179.1	2326	4.3	6415	138.3	11.1	511	7.18	62	5.1	14.8	216	33.8	28.1	<0.5	116	3.06	0.147	43.8	16.9	0.58	530	0.008	0.61	<0.01	0.35	<0.5	0.38	4.2	5.5	7.58	<5	28	2.39984	1.50	
A-10-76	738.61	739.14	0.53	853431	tr	99		VAN10006053	14.1	24.0	25.3	1099	0.8	8032	59.9	7.1	77	1.21	16	2.8	5.8	37	17.1	6.5	<0.5	66	0.51	0.068	29.7	9.9	0.15	1107	0.006	0.58	<0.01	0.37	<0.5	0.11	2.4	1.3	1.26	<5	11	2.36899	1.28	
A-10-76				853432			Duplicate of 853431 (coarse)	VAN10006053	25.3	37.9	91.3	1221	2.1	12288	81.5	7.2	362	3.21	33	4.3	4.6	173	19.2	15.9	<0.5	79	2.40	0.087	17.2	9.4	0.26	665	0.005	0.55	<0.01	0.34	<0.5	0.25	2.8	3.3	3.67	<5	14	2.46463		
A-10-76	739.14	739.7	0.56	853433	20	80		VAN10006053	27.8	60.0	193.1	372	3.9	7486	101.5	6.5	205	5.75	53	3.0	4.4	113	4.8	27.3	<0.5	63	1.15	0.055	15.6	9.3	0.09	457	0.004	0.43	<0.01	0.28	<0.5	0.29	1.8	5.6	6.71	<5	24	2.4967	1.26	
A-10-76	739.7	740.37	0.67	853434	10	90		VAN10006053	13.0	22.4	22.6	1062	0.8	8145	57.7	7.0	79	1.21	15	2.8	5.5	37	15.5	6.2	<0.5	63	0.48	0.067	28.9	9.2	0.14	1061	0.005	0.54	<0.01	0.35	<0.5	0.10	2.5	1.2	1.24	<5	11	2.33189	1.82	
A-10-76	740.37	740.98	0.61	853435	25	75		VAN10006053	27.3	58.7	173.3	23	4.4	7138	96.0	6.5	353	5.77	58	2.8	4.5	150	0.5	29.9	<0.5	66	1.94	0.066	15.3	11.0	0.16	587	0.005	0.49	<0.01	0.31	<0.5	0.44	2.2	5.7	6.70	<5	22	2.51433	1.44	
A-10-76	740.98	741.73	0.75	853436	15	85		VAN10006053	25.0	57.3	105.2	58	3.2	7166	90.8	7.0	200	3.91	44	3.0	4.8	77	0.9	23.2	<0.5	77	1.12	0.067	18.2	12.0	0.29	1169	0.006	0.58	<0.01	0.35	<0.5	0.26	3.2	3.4	4.36	<5	22	2.41898	1.65	
A-10-76	741.73	742.45	0.72	853437	tr	99		VAN10006053	28.8	26.9	16.8	4211	1.1	8516	69.7	8.6	37	1.14	15	5.3	5.3	34	57.5	8.6	<0.5	92	0.32	0.092	21.9	10.8	0.08	1115	0.006	0.60	<0.01	0.38	<0.5	0.13	2.1	1.1	1.42	<5	16	2.24303	1.67	
A-10-76	742.45	743.42	0.97	853438	5	95		VAN10006053	19.9	49.0	105.5	17	2.7	7629	81.7	7.6	219	3.33	36	2.8	5.3	255	<0.5	22.2	<0.5	82	2.22	0.070	20.0	12.7	0.19	1268	0.006	0.67	<0.01	0.41	<0.5	0.18	2.8	2.7	3.75	<5	21	2.46168	2.47	
A-10-76	743.42	744	0.58	853439	tr	99		VAN10006053	27.6	66.1	172.6	18	4.5	6304	95.6	7.3	147	5.46	60	3.3	5.0	45	<0.5	39.1	<0.5	77	0.62	0.061	16.2	13.3	0.17	821	0.005	0.57	<0.01	0.36	<0.5	0.32	2.5	5.0	6.23	<5	24	2.49795	1.47	
A-10-76	744	744.96	0.96	853440	5	95		VAN10006053	25.0	45.7	84.8	418	2.8	6188	92.1	7.1	88	2.98	48	3.4	4.3	56	5.3	24.0	<0.5	76	0.60	0.046	16.9	9.6	0.11	1320	0.004	0.51	<0.01	0.34	<0.5	0.18	1.8	3.0	3.39	<5	19	2.38954	2.07	
A-10-76	744.96	745.76	0.8	853441	tr	99		VAN10006053	15.7	30.2	14.2	1559	0.6	5829	47.7	6.3	784	1.78	13	3.4	5.1	244	17.7	8.1	<0.5	87	5.03	0.071	18.9	9.2	0.57	1645	0.006	0.60	<0.01	0.38	<0.5	0.11	3.0	0.9	1.20	<5	12	2.45934	2.00	
A-10-76				853442			Blank (BL 108)	VAN10006053	0.5	15.8	3.8	32	<0.5	948	1.5	2.8	524	1.49	<5	1.4	5.0	10	<0.5	<0.5	<0.5	15	0.15	0.016	8.7	13.9	0.19	139	0.087	0.60	0.09	0.35	<0.5	<0.05	3.8	<0.5	<0.05	<5	<2	N.A.	0.02	
A-10-76	745.76	746.83	1.07	853443	tr	99		VAN10006053	19.1	39.4	19.5	653	0.7	6694	67.0	8.6	113	1.35	20	4.1	6.5	90	6.3	11.0	<0.5	85	1.34	0.081	23.3	10.9	0.29	1330	0.006	0.71	<0.01	0.42	<0.5	0.11	2.9	0.8	1.14	<5	10	2.35441	2.39	
A-10-76	746.83	748.44	1.61	853444	tr	99		VAN10006053	20.0	45.9	15.9	1941	0.8	7072	60.4	7.9	200	1.71	15	4.2	6.4	148	17.4	11.2	<0.5	89	2.13	0.081	21.3	10.4	0.34	1752	0.006	0.71	<0.01	0.45	<0.5	0.10	3.4	1.0	1.60	<5	10	2.39546	3.61	
A-10-76	748.44	749.66	1.22	853445	tr	99		VAN10006053	20.6	46.7	15.3	1008	0.7	7200	65.4	9.3	139	1.44	19	4.3	6.4	132	9.0	10.8	<0.5	80	1.81	0.080	23.2	9.2	0.33	1635	0.006	0.65	<0.01	0.44	<0.5	0.10	3.2	0.7	1.24	<5	11	2.35341	2.66	
A-10-76	749.66	750.69	1.03	853446	tr	99		VAN10006053	20.9	44.1	15.6	1040	0.7	7275	69.3	8.8	129	1.45	17	4.7	6.7	113	9.3	10.7	<0.5	95	1.65	0.082	23.0	10.4	0.35	1793	0.006	0.77	<0.01	0.47	<0.5	0.11	2.9	0.8	1.23	<5	10	2.33797	2.37	
A-10-76	750.69	751.68	0.99	853447	tr	99		VAN10006053	20.9	41.4	16.4	795	0.7	7322	62.1	8.2	135	1.45	18	4.3	6.5	123	8.4	10.3	<0.5	92	1.83	0.079	23.7	10.2	0.35	1749	0.007	0.74	<0.01	0.45	<0.5	0.11	2.9	0.9	1.23	<5	10	2.29545	2.27	
A-10-76	751.68	752.56	0.88	853448	tr	99		VAN10006053	19.8	45.0	16.9	510	0.6	7269	66.3	8.9	148	1.54	18	4.2	6.7	144	4.5	10.4	<0.5	88	2.02	0.087	24.4	9.3	0.36	1738	0.006	0.71	<0.01	0.44	<0.5	0.08	3.1	0.9	1.25	<5	11	2.37201	1.94	
A-10-76	752.56	753.67	1.11	853449	tr	99		VAN10006053	19.4	39.3	16.2	445	0.7	7699	62.3	8.6	143	1.47	19	4.4	6.7	121	4.3	10.3	<0.5	89	1.77	0.081	23.3	9.5	0.37	1718	0.006	0.71	<0.01	0.45	<0.5	0.07	2.9	0.8	1.20	<5	13	2.30204	2.34	
A-10-76	753.67	754.65	0.98	853450	tr	99		VAN10006053	17.7	42.3	18.1	460	0.6	6680	59.1	7.2	606	1.88	18	4.0	5.7	225	4.3	11.4	<0.5	83	4.68	0.082	18.6	8.0	0.37	1538	0.006	0.59	<0.01	0.38	<0.5	0.11	2.9	0.8	1.71	<5	12	2.37245	2.47	
A-10-76	754.65	755.61	0.96	851958	tr	99		VAN10006053	20.2	43.5	18.6	585	0.6	7039	66.2	8.4	177	1.55	21	4.2	6.4	196	6.3	11.8	<0.5	83	2.71	0.084	24.2	9.7	0.39	1721	0.006	0.65	<0.01	0.39	<0.5	0.12	2.5	0.8	1.31	<5	13	2.32136	2.18	
A-10-76				851959			Duplicate of 851958 (pulp)	VAN10006053	19.0	42.1	18.6	570	0.6	6855	57.7	8.1	169	1.51	19	4.4	5.9	188	6.3	10.8	<0.5	85	2.64	0.079	23.3	8.8	0.39	1622	0.006	0.67	<0.01	0.39	<0.5	0.09	3.0	0.7	1.27	<5	12	2.32695		
A-10-76	755.61	756.89	1.28	851960	tr	99		VAN10006053	18.8	38.6	18.2	896	0.6	6702	62.3	8.0	178	1.48	18	4.4	6.6	196	9.8	12.0	<0.5	86	2.70	0.088	23.9	9.5	0.39	1411	0.006	0.68	<0.01	0.41	<0.5	0.12	3.2	0.7	1.29	<5	12	2.26712	2.93	
A-10-76	756.89	758.28	1.39	851961	tr	99		VAN10006053	20.3	66.3	18.5	1447	0.7	7373	69.4	8.1	139	1.45	19	4.0	6.4	129	16.0	11.8	<0.5	81	1.88	0.077	22.7	8.4	0.33	1628	0.006	0.65	<0.01	0.40	<0.5	0.13	2.9	1.0	1.38	<5	12	2.24716	3.15	
A-10-76	758.28	759.3	1.02	851962	tr	99		VAN10006053	19.2	29.9	28.9	3073	0.8	6946	59.6	7.5	122	1.28	17	4.0	6.0	98	35.9	12.2	<0.5	80	1.45	0.089	22.9	9.0	0.33	1211	0.006	0.64	<0.01	0.39	<0.5	0.20	2.1	0.8	1.37	<5	12	2.25335	2.30	
A-10-76	759.34	760.24	0.9	851963	15	85		VAN10006053	15.6	47.4	202.9	573	3.0	8760	74.2	5.9	351	4.23	27	3.0	4.3	134	8.1	40.7	<0.5	53	1.83	0.066	14.3	5.3	0.51	818	0.004	0.44	<0.01	0.24	<0.5	0.38	1.6	2.9	4.57	<5	22	2.33498	2.03	
A-10-76	760.24	761.83	1.59	851964	15	85		VAN10006053	27.8	63.1	191.5	23	3.5	8385	92.9	7.2	171	4.01	35	4.0	4.1	145	<0.5	59.2	<0.5	57	0.78	0.048	16.9	6.0	0.06	985	0.003	0.45	<0.01	0.24	<0.5	0.47	1.0	4.7	4.35	<5	42	2.32213	1.60	
A-10-76	761.83	762	0.17	851965	20	80		VAN10006053	23.0	52.6	127.9	15	2.1	10613	82.2	7.4	148	2.82	28	3.8	4.6	146	<0.5	39.6	<0.5	57	1.09	0.059	17.0	6.3	0.07	1360	0.003	0.41	<0.01	0.23	<0.5	0.30	1.4	2.8	3.17	<5	41	2.34611	2.51	
A-10-76	762	763.06	1.06	851966	10	90		VAN10006053	25.5	63.9	135.2	699	2.3	10040	91.5	7.7	123	2.62	38	4.5	4.7	127	10.1	43.5	<0.5	81	1.00	0.065	17.1	6.8	0.07	1605	0.004	0.50	<0.01	0.27	<0.5	0.41	1.4	2.8	3.10	<5	44	2.29795	2.43	
A-10-76	763.06	764.16	1.1	851967	20	80		VAN10006053	24.2	69.9	167.3	286	2.3	11257	93.0	8.2	102	3.36	39	5.3	4.3	43	3.7	49.3	<0.5	85	0.33	0.053	15.9	5.8	0.05	1028	0.004	0.46	<0.01	0.25	<0.5	0.52	1.3	3.2	3.77	<5	51	2.28452	2.22	
A-10-76	764.16	765.19	1.03	851968	10	90		VAN10006053	25.9	58.6	132.2	20	2.0	11829	107.4	17.7	133	2.53	43	5.1	3.6	91	<0.5	42.7	<0.5	87	0.94	0.046	19.6	8.2	0.06	1318	0.003	0.46	<0.01	0.24	<0.5	0.45	1.3	2.8	2.71	<5	36	2.30178	2.21	
A-10-76				851969			Blank (BL 108)	VAN10006053	0.9	15.7	3.9	33	<0.5	963	1.1	3.2	565	1.49	<5	1.6	5.2	11	<0.5	<0.5	<0.5	12	0.14	0.020	9.2	14.3	0.24	153	0.079	0.74	0.13	0.34	<0.5	<0.05	3.5	<0.5	<0.05	<5	<2	N.A.	0.02	
A-10-76	765.19	765.95	0.76	851970	tr	99		VAN10006053	23.8	50.5	108.5	34	1.7	10566	105.6	24.0	126	2.11	40	5.0	3.4	85	0.6	34.6	<0.5	66	0.92	0.044	21.3	5.5	0.05	1515	0.003	0.38	<0.01	0.21	<0.5	0.41	0.9	2.4	2.32	<5	34	2.30337	1.97	
A-10-76	765.95	766.6	0.65	851971	10	90		VAN10006053	22.1	56.4	98.5	393	2.4	9193	89.4	7.9	91	2.24	39	4.7	2.2	66	4.8	31.0	<0.5	66	1.07	0.032	14.8	6.1	0.05	1620	0.003	0.41	<0.01	0.21	<0.5	0.39	1.0	1.7	2.43	<5	42	2.22891	1.40	
A-10-76	766.6	767.57	0.97	851972	tr	99		VAN10006053	13.4	43.8	54.3	3123	1.5	7051	64.0	5.8	221	1.66	11	2.7	2.9	153	39.6	16.8	<0.5	57	1.85	0.062	17.0	5.9	0.27	1232	0.003	0.39	<0.01	0.21	<0.5	0.50	1.2	1.1	1.85	<5	24	2.24441	1.88	
A-10-76	767.57	768.2	0.63	851973	5	95		VAN10006053	19.2	60.2	76.5	5683	2.1	28170	82.5	6.4	302	1.74	19	3.4	2.7	184	73.7	22.8	<0.5	63	2.42	0.032	14.6	5.0	0.26	1620	0.003	0.44	<0.01	0.23	<0.5	1.06	1.8	1.6	2.12	<5	39	2.34663	1.27	
A-10-76	768.2	769.18	0.98	851974	tr	99		VAN10006053	32.7	45.9	90.5	1554	1.7	18892	81.6	8.2	170	2.05	26	7.1	2.0	76	19.3	24.0	<0.5	66	1.08	0.014	11.2	6.1	0.07	1449	0.002	0.34	<0.01	0.18	<0.5	0.53	1.1	2.6	2.29	<5	26	2.15973	2.15	

HOLE ID	DISTANCE	AZIMUTH (mag)	AZIMUTH (true)	DIP	MAGN	SURVEY TYPE	ACCEPTED	COMMENTS
A-10-76	0		50	-82				Collar
A-10-76	19		48.98	82		Reflex-EZ Shot	Yes	
A-10-76	49		44.88	81		Reflex-EZ Shot	Yes	
A-10-76	79		36.68	78		Reflex-EZ Shot	Yes	
A-10-76	100		38.58	78		Reflex-EZ Shot	Yes	
A-10-76	130		35.88	78		Reflex-EZ Shot	Yes	
A-10-76	160		35.08	75		Reflex-EZ Shot	Yes	
A-10-76	190		33.78	74		Reflex-EZ Shot	Yes	
A-10-76	220		33.18	73		Reflex-EZ Shot	Yes	
A-10-76	250		35.08	73		Reflex-EZ Shot	Yes	
A-10-76	280		35.78	73		Reflex-EZ Shot	Yes	
A-10-76	310		36.58	73		Reflex-EZ Shot	Yes	
A-10-76	340		36.98	72		Reflex-EZ Shot	Yes	
A-10-76	370		38.48	72		Reflex-EZ Shot	Yes	
A-10-76	405.08		37.58	71		Reflex-EZ Shot	Yes	
A-10-76	435.56		39.48	71		Reflex-EZ Shot	Yes	
A-10-76	466.04		41.28	69		Reflex-EZ Shot	Yes	
A-10-76	496.53		41.98	68		Reflex-EZ Shot	Yes	
A-10-76	527.01		44.18	67		Reflex-EZ Shot	Yes	
A-10-76	557.49		45.48	65		Reflex-EZ Shot	Yes	
A-10-76	587.97		45.88	64		Reflex-EZ Shot	Yes	
A-10-76	618.45		47.18	63		Reflex-EZ Shot	Yes	
A-10-76	647.51		47.58	62		Reflex-EZ Shot	Yes	
A-10-76	679.41		47.78	62		Reflex-EZ Shot	Yes	
A-10-76	709.89		47.38	62		Reflex-EZ Shot	Yes	
A-10-76	740.37		49.38	61		Reflex-EZ Shot	Yes	
A-10-76	770.85		50.58	61		Reflex-EZ Shot	Yes	
A-10-76	801.33		51.48	61		Reflex-EZ Shot	Yes	
A-10-76	822.67		51.68	60		Reflex-EZ Shot	Yes	

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-76	5	7	2	2	100.00	0	0.00												
A-10-76	7	10	3	0.64	21.33	0	0.00												
A-10-76	10	13	3	2.87	95.67	0	0.00												
A-10-76	13	16	3	2.84	94.67	0	0.00												
A-10-76	16	19	3	2.57	85.67	0	0.00												
A-10-76	19	22	3	2.88	96.00	0	0.00												
A-10-76	22	25	3	2.95	98.33	0	0.00												
A-10-76	25	28	3	2.63	87.67	0	0.00												
A-10-76	28	31	3	2.61	87.00	0.2	7.66												
A-10-76	31	34	3	2.89	96.33	0.23	7.96												
A-10-76	34	37	3	2.36	78.67	0	0.00												
A-10-76	37	40	3	2.83	94.33	0	0.00												
A-10-76	40	43	3	2.76	92.00	0.14	5.07												
A-10-76	43	46	3	2.81	93.67	0	0.00												
A-10-76	46	49	3	2.45	81.67	0	0.00												
A-10-76	49	52	3	2.66	88.67	0.87	32.71												
A-10-76	52	55	3	2.57	85.67	0	0.00												
A-10-76	55	58	3	2.58	86.00	0.57	22.09												
A-10-76	58	61	3	3.01	100.33	1.26	41.86												
A-10-76	61	64	3	2.55	85.00	0.58	22.75												
A-10-76	64	67	3	2.5	83.33	0.52	20.80												
A-10-76	67	70	3	2.23	74.33	0.43	19.28												
A-10-76	70	73	3	2.87	95.67	0.78	27.18												
A-10-76	73	76	3	2.9	96.67	0.63	21.72												
A-10-76	76	79	3	2.61	87.00	0	0.00												
A-10-76	79	82	3	2.92	97.33	0.52	17.81												
A-10-76	82	85	3	2.51	83.67	0	0.00												
A-10-76	85	88	3	2.97	99.00	0.87	29.29												
A-10-76	88	91	3	2.87	95.67	1.06	36.93												
A-10-76	91	94	3	2.54	84.67	0.58	22.83												
A-10-76	94	97	3	1.81	60.33	0.13	7.18												
A-10-76	97	100	3	0	0.00	0	0												
A-10-76	100	103	3	0	0.00	0	0												
A-10-76	103	106	3	0	0.00	0	0												
A-10-76	106	109	3	0	0.00	0	0												
A-10-76	109	112	3	0	0.00	0	0												
A-10-76	112	115	3	0	0.00	0	0												
A-10-76	115	118	3	0.75	25.00	0	0												
A-10-76	118	121	3	0	0.00	0	0												
A-10-76	121	124	3	1.3	43.33	0.11	8.46												
A-10-76	124	127	3	1.75	58.33	0.67	38.29												
A-10-76	127	130	3	2.78	92.67	1.27	45.68												
A-10-76	130	133	3	2.85	95.00	0.99	34.74	1					1						
A-10-76	133	136	3	2.87	95.67	1.6	55.75												
A-10-76	136	139	3	2.2	73.33	0.69	31.36												
A-10-76	139	142	3	2.6	86.67	0.86	33.08												
A-10-76	142	145	3	2.8	93.33	1.18	42.14												
A-10-76	145	148	3	2.83	94.33	1.08	38.16												
A-10-76	148	151	3	3.06	102.00	2.06	67.32												
A-10-76	151	154	3	2.59	86.33	1.08	41.70												
A-10-76	154	157	3	2.88	96.00	1.78	61.81												
A-10-76	157	160	3	2.92	97.33	2.3	78.77												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-76	160	163	3	2.24	74.67	0.48	21.43												
A-10-76	163	166	3	2.57	85.67	1.45	56.42												
A-10-76	166	169	3	2.98	99.33	2.22	74.50												
A-10-76	169	172	3	2.88	96.00	1.45	50.35												
A-10-76	172	175	3	2.82	94.00	0.97	34.40												
A-10-76	175	178	3	2.74	91.33	0.45	16.42												
A-10-76	178	181	3	2.95	98.33	1	33.90												
A-10-76	181	184	3	2.98	99.33	0.36	12.08												
A-10-76	184	187	3	2.8	93.33	0.69	24.64												
A-10-76	187	190	3	2.84	94.67	0.95	33.45												
A-10-76	190	193	3	2.9	96.67	0.84	28.97												
A-10-76	193	196	3	2.52	84.00	0.37	14.68												
A-10-76	196	199	3	2.02	67.33	0.68	33.66												
A-10-76	199	202	3	2.68	89.33	1.68	62.69												
A-10-76	202	205	3	3.05	101.67	1.21	39.67												
A-10-76	205	208	3	3.02	100.67	0.94	31.13												
A-10-76	208	211	3	3.01	100.33	2	66.45												
A-10-76	211	214	3	3.03	101.00	2.45	80.86												
A-10-76	214	217	3	2.85	95.00	2.34	82.11												
A-10-76	217	220	3	2.8	93.33	2.03	72.50												
A-10-76	220	223	3	3.01	100.33	2.3	76.41												
A-10-76	223	226	3	2.98	99.33	2.48	83.22												
A-10-76	226	229	3	2.87	95.67	2.27	79.09												
A-10-76	229	232	3	3.05	101.67	2	65.57												
A-10-76	232	235	3	2.86	95.33	2.07	72.38												
A-10-76	235	238	3	2.98	99.33	2.76	92.62												
A-10-76	238	241	3	2.98	99.33	2.58	86.58												
A-10-76	241	244	3	2.95	98.33	2.1	71.19												
A-10-76	244	247	3	2.94	98.00	2.54	86.39												
A-10-76	247	250	3	2.93	97.67	2.04	69.62												
A-10-76	250	253	3	3.04	101.33	1.97	64.80												
A-10-76	253	256	3	2.96	98.67	2.12	71.62												
A-10-76	256	259	3	2.92	97.33	2	68.49												
A-10-76	259	262	3	2.95	98.33	2.48	84.07												
A-10-76	262	265	3	2.97	99.00	2.48	83.50												
A-10-76	265	268	3	2.98	99.33	2.37	79.53												
A-10-76	268	271	3	2.78	92.67	1.65	59.35												
A-10-76	271	274	3	2.9	96.67	1.53	52.76												
A-10-76	274	277	3	2.77	92.33	1.36	49.10												
A-10-76	277	280	3	2.77	92.33	0.94	33.94												
A-10-76	280	283	3	2.85	95.00	1.07	37.54												
A-10-76	283	286	3	2.99	99.67	2.21	73.91												
A-10-76	286	289	3	3.06	102.00	1.26	41.18												
A-10-76	289	292	3	2.44	81.33	1.02	41.80												
A-10-76	292	295	3	2.91	97.00	0.78	26.80												
A-10-76	295	298	3	2.85	95.00	1.66	58.25												
A-10-76	298	301	3	1.91	63.67	0.4	20.94												
A-10-76	301	304	3	2.21	73.67	0.3	13.57												
A-10-76	304	307	3	3.01	100.33	1.74	57.81												
A-10-76	307	310	3	2.97	99.00	1.81	60.94												
A-10-76	310	313	3	2.85	95.00	2.26	79.30												
A-10-76	313	316	3	2.95	98.33	2.16	73.22												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-76	316	319	3	3.05	101.67	2.08	68.20												
A-10-76	319	322	3	2.97	99.00	1.38	46.46												
A-10-76	322	325	3	2.58	86.00	0.57	22.09												
A-10-76	325	328	3	2.5	83.33	1.15	46.00												
A-10-76	328	331	3	1.02	34.00	0.14	13.73												
A-10-76	331	334	3	2.42	80.67	0	0.00												
A-10-76	334	337	3	1.95	65.00	0.44	22.56												
A-10-76	337	340	3	2.7	90.00	0.83	30.74												
A-10-76	340	343	3	2.81	93.67	1.16	41.28	5	2	1	2								
A-10-76	343	346	3	2.79	93.00	1.03	36.92	7	4	2		1							
A-10-76	346	349	3	2.87	95.67	1.35	47.04	1					1						
A-10-76	349	352	3	2.86	95.33	1.63	56.99												
A-10-76	352	355	3	2.92	97.33	0.99	33.90												
A-10-76	355	358	3	2.83	94.33	1.58	55.83	5	4		1								
A-10-76	358	361	3	2.68	89.33	1.81	67.54												
A-10-76	361	364	3	2.6	86.67	1.17	45.00	10	7	1	1		1						
A-10-76	364	367	3	3.14	104.67	1.86	59.24	1	1										
A-10-76	367	370	3	2.36	78.67	0.97	41.10												
A-10-76	370	373	3	2.84	94.67	0.99	34.86	1	1										
A-10-76	373	376	3	2.9	96.67	1.43	49.31	5	4	1									
A-10-76	376	379	3	2.6	86.67	0.9	34.62												
A-10-76	379	382	3	2.76	92.00	0.34	12.32												
A-10-76	382	385	3	2.44	81.33	0	0.00												
A-10-76	385	388	3	2.88	96.00	0.34	11.81												
A-10-76	388	391	3	2.24	74.67	0.47	20.98												
A-10-76	391	392.89	1.89	2.32	122.75	1.2	51.72												
A-10-76	392.89	395.94	3.05	2.51	82.30	1.35	53.78												
A-10-76	395.94	398.99	3.05	2.56	83.93	0.14	5.47												
A-10-76	398.99	402.04	3.05	2.78	91.15	1.15	41.37												
A-10-76	402.04	405.08	3.04	3.15	103.62	2.34	74.29												
A-10-76	405.08	408.13	3.05	2.8	91.80	1.69	60.36												
A-10-76	408.13	411.18	3.05	2.97	97.38	0.83	27.95												
A-10-76	411.18	414.23	3.05	2.95	96.72	0.96	32.54												
A-10-76	414.23	417.28	3.05	2.4	78.69	0.45	18.75												
A-10-76	417.28	420.32	3.04	2.81	92.43	0.86	30.60												
A-10-76	420.32	423.37	3.05	1.4	45.90	0.62	44.29												
A-10-76	423.37	426.42	3.05	3	98.36	1.79	59.67												
A-10-76	426.42	429.47	3.05	2.62	85.90	0.79	30.15												
A-10-76	429.47	432.52	3.05	2.46	80.66	1.96	79.67												
A-10-76	432.52	435.56	3.04	2.94	96.71	2.16	73.47												
A-10-76	435.56	438.61	3.05	3.05	100.00	2.08	68.20												
A-10-76	438.61	441.66	3.05	3.07	100.66	1.50	48.86												
A-10-76	441.66	444.71	3.05	2.08	68.20	0.68	32.69												
A-10-76	444.71	447.76	3.05	2.61	85.57	1.18	45.21												
A-10-76	447.76	450.80	3.04	2.96	97.37	2.30	77.70												
A-10-76	450.80	453.85	3.05	2.95	96.72	1.86	63.05												
A-10-76	453.85	456.90	3.05	2.93	96.07	2.52	86.01												
A-10-76	456.90	459.95	3.05	3.07	100.66	2.53	82.41												
A-10-76	459.95	463.00	3.05	3.09	101.31	2.85	92.23												
A-10-76	463.00	466.04	3.04	3	98.68	2.72	90.67												
A-10-76	466.04	469.09	3.05	2.92	95.74	1.24	42.47												
A-10-76	469.09	472.14	3.05	2.98	97.70	2.30	77.18												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-76	472.14	475.19	3.05	2.97	97.38	2.49	83.84												
A-10-76	475.19	478.24	3.05	3.06	100.33	2.75	89.87												
A-10-76	478.24	481.29	3.05	3.06	100.33	2.27	74.18												
A-10-76	481.29	484.33	3.04	2.8	92.11	2.27	81.07												
A-10-76	484.33	487.38	3.05	2.8	91.80	1.43	51.07												
A-10-76	487.38	490.43	3.05	3.2	104.92	1.28	40.00												
A-10-76	490.43	493.48	3.05	2.86	93.77	1.71	59.79												
A-10-76	493.48	496.53	3.05	3.08	100.98	1.92	62.34												
A-10-76	496.53	499.57	3.04	2.9	95.39	2.17	74.83												
A-10-76	499.57	502.62	3.05	2.65	86.89	1.46	55.09												
A-10-76	502.62	505.67	3.05	3.19	104.59	1.83	57.37	1			1								
A-10-76	505.67	508.72	3.05	2.91	95.41	1.89	64.95	2			1	1							
A-10-76	508.72	511.77	3.05	3	98.36	2.04	68.00												
A-10-76	511.77	514.81	3.04	3.12	102.63	1.16	37.18	1				1							
A-10-76	514.81	517.86	3.05	2.84	93.11	1.91	67.25	1	1										
A-10-76	517.86	520.91	3.05	3	98.36	1.08	36.00												
A-10-76	520.91	523.96	3.05	2.5	81.97	1.21	48.40												
A-10-76	523.96	527.01	3.05	3.1	101.64	0.91	29.35												
A-10-76	527.01	530.05	3.04	2.99	98.36	2.21	73.91												
A-10-76	530.05	533.10	3.05	3.01	98.69	2.06	68.44												
A-10-76	533.10	536.15	3.05	2.7	88.52	2.61	96.67												
A-10-76	536.15	539.20	3.05	2.75	90.16	1.87	68.00	1	1										
A-10-76	539.20	542.25	3.05	3.04	99.67	2.44	80.26	1				1							
A-10-76	542.25	545.29	3.04	3.05	100.33	2.28	74.75												
A-10-76	545.29	548.34	3.05	2.98	97.70	2.01	67.45												
A-10-76	548.34	551.39	3.05	2.98	97.70	2.02	67.79												
A-10-76	551.39	554.44	3.05	2.97	97.38	2.68	90.24												
A-10-76	554.44	557.49	3.05	2.73	89.51	2.30	84.25	2				1	1						
A-10-76	557.49	560.53	3.04	2.83	93.09	1.25	44.17												
A-10-76	560.53	563.58	3.05	3.02	99.02	2.89	95.70												
A-10-76	563.58	566.63	3.05	2.92	95.74	2.18	74.66	11	8	2		1							
A-10-76	566.63	569.68	3.05	3.15	103.28	2.04	64.76	8	8										
A-10-76	569.68	572.73	3.05	3.28	107.54	2.87	87.50												
A-10-76	572.73	575.77	3.04	2.64	86.84	0.56	21.21												
A-10-76	575.77	578.82	3.05	3.03	99.34	0.61	20.13	2			2								
A-10-76	578.82	581.87	3.05	2.96	97.05	1.75	59.12	2			2								
A-10-76	581.87	584.92	3.05	3.02	99.02	2.28	75.50												
A-10-76	584.92	587.97	3.05	2.99	98.03	2.41	80.60												
A-10-76	587.97	591.01	3.04	3.05	100.33	1.69	55.41	2			2								
A-10-76	591.01	594.06	3.05	2.78	91.15	2.33	83.81												
A-10-76	594.06	597.11	3.05	3.03	99.34	1.61	53.14												
A-10-76	597.11	600.16	3.05	3.05	100.00	0.62	20.33												
A-10-76	600.16	603.21	3.05	3.08	100.98	1.72	55.84												
A-10-76	603.21	606.25	3.04	2.94	96.71	1.23	41.84												
A-10-76	606.25	609.30	3.05	2.91	95.41	2.87	98.63	1			1								
A-10-76	609.30	612.35	3.05	2.97	97.38	2.57	86.53												
A-10-76	612.35	615.40	3.05	3.02	99.02	1.87	61.92	11		7	3		1						
A-10-76	615.40	618.45	3.05	3.02	99.02	1.88	62.25												
A-10-76	618.45	621.49	3.04	2.91	95.72	1.23	42.27												
A-10-76	621.49	624.54	3.05	2.96	97.05	1.07	36.15												
A-10-76	624.54	627.59	3.05	2.64	86.56	0.74	28.03												
A-10-76	627.59	630.64	3.05	3.19	104.59	1.31	41.07												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-76	630.64	633.69	3.05	2.78	91.15	1.72	61.87												
A-10-76	633.69	636.73	3.04	2.84	93.42	1.61	56.69												
A-10-76	636.73	639.78	3.05	2.95	96.72	2.48	84.07	1			1								
A-10-76	639.78	642.83	3.05	3.04	99.67	1.12	36.84												
A-10-76	642.83	645.88	3.05	3.05	100.00	1.75	57.38												
A-10-76	645.88	648.93	3.05	3.12	102.30	2.27	72.76												
A-10-76	648.93	651.98	3.05	2.66	87.21	1.09	40.98												
A-10-76	651.98	655.02	3.04	3.04	100.00	0.56	18.42	3				1	2						
A-10-76	655.02	658.07	3.05	3.04	99.67	1.38	45.39												
A-10-76	658.07	661.12	3.05	2.96	97.05	2.04	68.92												
A-10-76	661.12	664.17	3.05	2.85	93.44	2.04	71.58												
A-10-76	664.17	667.22	3.05	2.61	85.57	0.97	37.16	1			1								
A-10-76	667.22	670.26	3.04	2.81	92.43	0.50	17.79	1					1						
A-10-76	670.26	673.31	3.05	2.84	93.11	0.47	16.55	1			1								
A-10-76	673.31	676.36	3.05	2.6	85.25	0.12	4.62												
A-10-76	676.36	679.41	3.05	2.99	98.03	0.35	11.71	1			1								
A-10-76	679.41	682.46	3.05	2.61	85.57	1.20	45.98	1				1							
A-10-76	682.46	685.50	3.04	3.21	105.59	0.52	16.20	1				1							
A-10-76	685.50	688.55	3.05	3.05	100.00	1.84	60.33	3		1	2								
A-10-76	688.55	691.60	3.05	2.81	92.13	1.93	68.68												
A-10-76	691.60	694.65	3.05	2.89	94.75	1.90	65.74												
A-10-76	694.65	697.70	3.05	3.18	104.26	1.38	43.40	1	1	2									
A-10-76	697.70	700.74	3.04	2.62	86.18	1.07	40.84	7	6	1									
A-10-76	700.74	703.79	3.05	2.88	94.43	0.66	22.92	1					1						
A-10-76	703.79	706.84	3.05	3.08	100.98	0.71	23.05	4		2	2								
A-10-76	706.84	709.89	3.05	2.98	97.70	1.37	45.97							2	2				
A-10-76	709.89	712.94	3.05	2.82	92.46	0.75	26.60	4			4								
A-10-76	712.94	715.98	3.04	2.98	98.03	1.08	36.24	2		1	1								
A-10-76	715.98	719.03	3.05	2.82	92.46	1.70	60.28	2	2										
A-10-76	719.03	722.08	3.05	3.05	100.00	1.49	48.85	25	25					4	3	1			
A-10-76	722.08	725.13	3.05	2.96	97.05	1.57	53.04	5	5										
A-10-76	725.13	728.18	3.05	2.58	84.59	1.48	57.36												
A-10-76	728.18	731.22	3.04	3.22	105.92	2.26	70.19	3	2	1									
A-10-76	731.22	734.27	3.05	2.91	95.41	0.83	28.52	3	2	1									
A-10-76	734.27	737.32	3.05	2.81	92.13	1.41	50.18	5	3		2								
A-10-76	737.32	740.37	3.05	3.07	100.66	1.73	56.35	1				1							
A-10-76	740.37	743.42	3.05	2.93	96.07	1.08	36.86	1					1						
A-10-76	743.42	746.46	3.04	3.01	99.01	1.44	47.84	1					1						
A-10-76	746.46	749.51	3.05	3	98.36	2.26	75.33	1											
A-10-76	749.51	752.56	3.05	2.97	97.38	2.29	77.10												
A-10-76	752.56	755.61	3.05	3	98.36	2.79	93.00	2	1				1						
A-10-76	755.61	758.66	3.05	2.92	95.74	2.16	73.97												
A-10-76	758.66	761.70	3.04	2.9	95.39	1.64	56.55	3	3										
A-10-76	761.70	764.75	3.05	2.78	91.15	2.23	80.22	3		1	2								
A-10-76	764.75	767.80	3.05	3.04	99.67	0.76	25.00	2	1		1								
A-10-76	767.80	770.85	3.05	2.65	86.89	0.25	9.43												
A-10-76	770.85	773.90	3.05	2.28	74.75	0.23	10.09												
A-10-76	773.90	776.94	3.04	3.92	128.95	1.33	33.93	1					1						
A-10-76	776.94	779.99	3.05	2.32	76.07	1.35	58.19												
A-10-76	779.99	783.04	3.05	2.97	97.38	2.26	76.09												
A-10-76	783.04	786.09	3.05	2.92	95.74	1.53	52.40												
A-10-76	786.09	789.14	3.05	3.05	100.00	2.38	78.03												

HOLE ID	FROM	TO	LENGTH	RECOVERY (m)	RECOVERY %	RQD (m)	RQD	CONCRETIONS	0-1	1-2	2-5	5-10	10+	CLASTS	0-1	1-2	2-5	5-10	10+
A-10-76	789.14	792.18	3.04	3.02	99.34	1.71	56.62												
A-10-76	792.18	795.23	3.05	3.01	98.69	2.11	70.10												
A-10-76	795.23	798.28	3.05	3.01	98.69	2.44	81.06												
A-10-76	798.28	801.33	3.05	2.89	94.75	2.44	84.43												
A-10-76	801.33	804.38	3.05	2.78	91.15	1.74	62.59												
A-10-76	804.38	807.43	3.05	2.77	90.82	1.29	46.57												
A-10-76	807.43	810.47	3.04	2.96	97.37	0.89	30.07												
A-10-76	810.47	813.52	3.05	2.82	92.46	0.87	30.85												
A-10-76	813.52	816.57	3.05	2.74	89.84	0.64	23.36												
A-10-76	816.57	819.62	3.05	2.67	87.54	0.52	19.48												
A-10-76	819.62	822.67	3.05	2.73	89.51	0.62	22.71												

APPENDIX 6 Analytical Certificates

AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

www.acmelab.com

Client:	**Canada Zinc Metals Corp.** 620-650 West Georgia Street Vancouver BC V6B 4N9 Canada
Submitted By:	Nick Johnson
Receiving Lab:	Canada-Vancouver
Received:	July 30, 2010
Report Date:	August 23, 2010
Page:	1 of 14

CERTIFICATE OF ANALYSIS VAN10003593.1

CLIENT JOB INFORMATION

Project:	AKIE
Shipment ID:	
P.O. Number	
Number of Samples:	364

SAMPLE DISPOSAL

RTRN-PLP	Return
RTRN-RJT	Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	323	Crush split and pulverize 250g drill core to 200 mesh			VAN
4A	358	LiBO2/LiB4O7 fusion ICP-ES analysis	0.2	Completed	VAN
7AX1	358	1:1:1 Aqua Regia digestion ICP-ES/ICP-MS analysis	1	Completed	VAN
G812	339	Specific Gravity on Pulp		Completed	VAN
7AR.1	1	1:1:1 Aqua Regia Digestion ICP-ES Finish	0.1	Completed	VAN

ADDITIONAL COMMENTS

Potential cross contamination of samples 639938 and 639941 due to preparation error, additional material requested for reanalysis. Qualitative data for 4A01 Ba only.

Invoice To:
Canada Zinc Metals Corp.
620-650 West Georgia Street
Vancouver BC V6B 4N9
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
RAYMOND CHAN
CHIEF ASSAYER

AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Canada Zinc Metals Corp.**
620-650 West Georgia Street
Vancouver BC V6B 4N9 Canada

Project: AKIE
Report Date: August 23, 2010

Page: 2 of 14 Part 1

CERTIFICATE OF ANALYSIS VAN10003593.1

	Method	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	5	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
639801	Drill Core	4.24	12956	27.5	88.4	296.0	4254	4.6	92.4	6.6	46	1.71	83	10.2	4.4	83	44.8	63.7	<0.5	83	0.45
639802	Drill Core	3.85	11529	30.9	81.6	243.7	4764	4.0	78.6	6.3	136	1.47	68	10.2	4.0	324	54.4	56.0	<0.5	97	1.94
639803 DUP 639802 RJT	Drill Core		11580	30.1	80.0	237.1	4792	3.6	79.4	6.6	127	1.42	64	9.6	4.1	288	51.4	52.9	<0.5	77	1.80
639804	Drill Core	3.82	13175	29.7	76.1	261.5	3829	3.3	87.2	7.1	95	1.58	69	9.0	4.4	263	41.7	60.6	<0.5	92	1.33
639805	Drill Core	4.08	13751	32.0	72.4	226.3	3238	2.7	90.9	7.4	53	1.55	67	10.3	4.2	99	28.9	56.0	<0.5	86	0.57
639806	Drill Core	4.10	11365	24.2	55.9	173.3	3366	1.8	66.6	6.1	371	1.40	52	8.0	3.9	625	26.8	37.9	<0.5	95	7.12
639807	Drill Core	3.79	12471	28.4	63.0	222.4	2832	2.2	78.8	7.0	155	1.42	68	9.2	4.2	458	21.5	47.2	<0.5	81	6.22
639808	Drill Core	4.01	9258	26.4	62.0	238.0	3264	2.0	73.3	7.3	59	1.52	57	8.4	4.7	109	22.9	45.3	<0.5	85	0.65
639809	Drill Core	4.25	8735	30.5	61.9	213.2	933	1.7	94.0	7.2	70	1.88	71	9.4	4.3	100	7.1	55.4	<0.5	74	0.70
639810	Rock Pulp	0.02	992	1.0	16.2	4.2	30	<0.5	1.8	2.4	557	1.50	<5	1.5	5.9	13	<0.5	<0.5	<0.5	15	0.16
639811	Drill Core	4.16	9414	34.3	52.0	162.6	1936	1.0	83.6	7.1	93	1.51	53	10.1	4.7	183	14.3	45.4	<0.5	78	1.34
639812	Drill Core	4.16	8884	30.7	49.1	164.4	970	0.8	81.0	7.9	62	1.49	49	9.0	4.8	97	5.5	40.7	<0.5	63	0.65
639813	Drill Core	4.24	8157	29.3	48.5	149.0	1240	0.9	84.4	8.8	73	1.93	49	8.1	4.1	137	6.7	35.4	<0.5	52	0.69
639814	Drill Core	3.77	7167	41.0	42.1	54.9	1139	<0.5	69.2	7.0	72	1.28	25	10.9	3.5	131	10.6	16.4	<0.5	70	0.60
639815	Drill Core	3.98	7275	43.7	45.8	56.8	1125	0.6	78.3	7.7	57	1.31	26	12.2	3.6	89	12.3	18.2	<0.5	79	0.42
639816	Drill Core	4.28	6819	44.1	42.0	54.1	649	0.5	75.7	8.1	60	1.42	24	11.8	3.7	92	6.9	16.6	<0.5	64	0.38
639817	Drill Core	3.75	7225	41.5	39.8	63.6	519	0.5	75.5	7.7	144	1.57	24	11.3	3.3	260	5.8	14.0	<0.5	60	1.23
639818	Drill Core	4.00	8450	25.2	32.1	24.2	504	1.1	52.1	5.2	283	2.04	19	8.3	2.3	349	4.7	9.7	<0.5	59	2.62
639819	Drill Core	3.52	11998	28.5	70.7	259.0	2212	5.8	96.2	7.7	224	6.70	60	5.4	4.7	250	19.2	36.6	<0.5	66	1.73
639820	Rock Pulp	0.02	1033	1.1	4967	14500	42357	29.4	12.0	12.0	5605	4.75	<5	<0.5	0.6	96	299.8	1.3	2.4	53	4.30
639821	Drill Core	4.24	9339	11.0	29.7	21.8	1758	0.6	47.7	8.3	85	1.42	13	3.5	6.8	144	13.7	6.5	<0.5	48	0.91
639822	Drill Core	3.99	8938	12.8	35.1	14.8	2104	0.7	50.5	7.9	95	1.46	16	3.9	6.6	122	15.2	7.3	<0.5	50	0.88
639823	Drill Core	3.77	10690	25.9	45.6	276.1	2885	3.0	87.2	6.3	342	8.92	65	3.7	4.2	175	27.6	34.5	<0.5	58	1.61
639824	Drill Core	2.75	8258	34.4	69.7	264.3	4043	3.6	98.4	6.2	232	10.05	68	5.0	3.8	98	33.6	46.9	<0.5	69	0.70
639825	Drill Core	3.80	9173	11.2	19.8	8.7	1837	<0.5	47.6	7.3	56	1.25	11	3.4	5.0	78	12.8	6.7	<0.5	46	0.36
639826	Drill Core	3.86	10321	29.7	62.4	259.0	4261	3.8	80.2	7.2	185	7.77	56	5.2	3.9	86	37.1	38.4	<0.5	65	0.56
639827	Drill Core	3.80	25996	15.9	34.5	133.3	1860	2.0	58.8	5.5	340	3.30	29	7.1	4.2	247	20.3	17.2	<0.5	51	3.94
639828	Drill Core	2.77	7973	22.8	43.6	146.6	1666	2.2	70.2	7.3	164	3.49	35	4.6	5.8	106	17.8	19.4	<0.5	59	1.07
639829	Drill Core	3.97	7409	32.3	54.9	206.4	2489	3.2	94.0	7.3	333	4.60	47	6.5	4.8	182	27.5	27.9	<0.5	64	1.99
639830 DUP 639829 RJT	Drill Core		7419	33.2	59.1	224.2	2544	3.5	92.3	7.2	356	4.81	51	6.9	5.3	180	30.9	31.2	<0.5	63	1.99

Client: **Canada Zinc Metals Corp.**
620-650 West Georgia Street
Vancouver BC V6B 4N9 Canada

Project: AKIE
Report Date: August 23, 2010

CERTIFICATE OF ANALYSIS VAN10003593.1

	Method	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**G8SG**	**7AR.1**
	Analyte	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**SG**	**Pb**
	Unit	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**		**%**
	MDL	**0.001**	**0.5**	**0.5**	**0.01**	**5**	**0.001**	**0.01**	**0.01**	**0.01**	**0.5**	**0.05**	**0.5**	**0.5**	**0.05**	**5**	**2**	**0**	**0.01**
639801	Drill Core	0.060	15.8	6.5	0.03	3795	0.004	0.55	<0.01	0.20	<0.5	0.38	1.4	5.0	2.01	<5	60	2.60	
639802	Drill Core	0.048	15.4	6.8	0.05	4466	0.005	0.52	<0.01	0.21	<0.5	0.42	1.7	4.0	1.79	<5	50	2.59	
639803 DUP 639802 RJT	Drill Core	0.046	13.9	7.0	0.04	4236	0.003	0.42	<0.01	0.17	<0.5	0.30	1.6	3.8	1.77	<5	47	2.58	
639804	Drill Core	0.053	15.3	8.9	0.04	4563	0.008	0.51	<0.01	0.21	<0.5	0.32	1.2	3.8	1.83	<5	49	2.58	
639805	Drill Core	0.059	16.9	8.0	0.04	5531	0.004	0.53	<0.01	0.21	<0.5	0.26	1.9	4.5	1.78	<5	35	2.59	
639806	Drill Core	0.075	12.8	7.0	0.08	4778	0.004	0.46	<0.01	0.19	<0.5	0.27	2.0	2.1	1.68	<5	26	2.58	
639807	Drill Core	0.045	14.4	5.5	0.05	4898	0.003	0.49	<0.01	0.21	<0.5	0.21	1.3	3.4	1.60	<5	30	2.58	
639808	Drill Core	0.064	16.0	7.3	0.05	3133	0.005	0.50	<0.01	0.24	<0.5	0.24	2.0	3.5	1.80	<5	28	2.58	
639809	Drill Core	0.043	13.9	6.4	0.03	2523	0.004	0.40	<0.01	0.20	<0.5	0.19	1.5	5.6	2.17	<5	16	2.52	
639810	Rock Pulp	0.019	8.3	13.7	0.22	154	0.084	0.75	0.16	0.34	<0.5	<0.05	4.5	<0.5	<0.05	<5	<2	I.S.	
639811	Drill Core	0.051	16.0	6.2	0.04	2497	0.004	0.45	<0.01	0.22	<0.5	0.20	1.7	3.7	1.78	<5	10	2.61	
639812	Drill Core	0.040	16.0	5.8	0.03	2655	0.004	0.40	<0.01	0.21	<0.5	0.13	1.4	4.2	1.69	<5	8	2.53	
639813	Drill Core	0.049	15.0	7.1	0.04	1818	0.004	0.42	<0.01	0.22	<0.5	0.13	1.5	3.6	2.21	<5	6	2.60	
639814	Drill Core	0.039	13.3	7.6	0.03	2076	0.004	0.38	<0.01	0.19	<0.5	0.08	1.7	0.8	1.41	<5	10	2.57	
639815	Drill Core	0.042	15.5	6.2	0.04	1912	0.004	0.42	<0.01	0.20	<0.5	0.15	1.6	0.9	1.46	<5	11	2.43	
639816	Drill Core	0.041	14.5	7.9	0.03	1508	0.003	0.33	<0.01	0.16	<0.5	0.09	1.4	1.0	1.55	<5	9	2.60	
639817	Drill Core	0.033	13.0	9.1	0.03	2145	0.003	0.34	<0.01	0.15	<0.5	0.08	1.3	1.0	1.64	<5	7	2.58	
639818	Drill Core	0.051	10.0	13.1	0.42	2704	0.002	0.28	<0.01	0.14	<0.5	0.08	1.5	0.6	1.88	<5	8	2.61	
639819	Drill Core	0.087	13.8	10.4	0.09	582	0.004	0.45	<0.01	0.23	<0.5	0.41	1.8	8.1	7.68	<5	18	2.76	
639820	Rock Pulp	0.054	3.6	28.9	1.32	166	0.121	1.54	<0.01	1.29	<0.5	0.09	4.3	<0.5	5.04	<5	<2	I.S.	
639821	Drill Core	0.075	24.1	7.9	0.11	1690	0.005	0.53	<0.01	0.34	<0.5	0.09	2.4	1.0	1.55	<5	8	2.64	
639822	Drill Core	0.082	23.1	7.2	0.12	1619	0.005	0.52	<0.01	0.33	<0.5	0.13	2.5	1.1	1.60	<5	10	2.64	
639823	Drill Core	0.039	11.8	6.7	0.34	417	0.004	0.46	<0.01	0.24	<0.5	0.80	2.1	12.1	10.25	<5	20	2.87	
639824	Drill Core	0.023	12.1	5.0	0.06	414	0.003	0.45	<0.01	0.24	<0.5	0.82	1.8	17.4	11.98	<5	30	2.86	
639825	Drill Core	0.035	20.5	6.8	0.05	1622	0.003	0.50	<0.01	0.29	<0.5	0.11	2.2	1.1	1.46	<5	12	2.65	
639826	Drill Core	0.030	12.9	5.8	0.07	488	0.004	0.45	<0.01	0.26	<0.5	0.62	1.9	10.9	9.07	<5	28	2.83	
639827	Drill Core	0.035	14.7	6.7	0.18	1104	0.004	0.45	<0.01	0.30	<0.5	0.32	2.6	4.3	3.75	<5	12	2.75	
639828	Drill Core	0.061	21.0	7.8	0.18	1317	0.004	0.49	<0.01	0.33	<0.5	0.30	2.5	4.3	3.89	<5	15	2.74	
639829	Drill Core	0.062	14.4	7.8	0.37	1164	0.004	0.43	<0.01	0.29	<0.5	0.44	2.4	5.6	5.07	<5	23	2.64	
639830 DUP 639829 RJT	Drill Core	0.059	13.4	8.2	0.37	925	0.004	0.43	<0.01	0.28	<0.5	0.49	2.5	6.6	5.34	<5	22	2.73	

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Project: AKIE
Report Date: August 23, 2010

CERTIFICATE OF ANALYSIS VAN10003593.1

	Method	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	5	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
639831	Drill Core	3.60	7195	24.7	54.5	229.6	799	3.9	85.3	6.9	245	5.28	54	4.3	5.2	111	9.0	38.6	<0.5	58	1.78
639832	Drill Core	3.98	6161	26.7	42.7	110.1	2157	2.6	68.2	7.3	202	3.19	34	5.2	5.3	157	25.5	25.2	<0.5	72	1.71
639833	Drill Core	4.74	6123	28.5	49.3	142.4	1617	2.9	77.1	7.1	148	3.49	41	5.5	5.8	128	18.4	33.0	<0.5	64	1.05
639834	Drill Core	3.48	6384	23.7	38.4	97.3	1315	2.3	72.8	7.0	140	2.64	34	5.1	5.1	91	14.8	26.4	<0.5	62	1.01
639835	Drill Core	4.65	7975	18.5	36.4	22.0	1078	0.7	58.1	8.0	283	1.96	18	4.8	5.0	215	11.5	11.6	<0.5	74	2.36
639836	Drill Core	3.98	6344	20.0	40.8	16.5	1226	0.7	52.2	7.8	153	1.60	18	5.5	6.1	200	12.6	10.1	<0.5	80	2.13
639837	Drill Core	3.87	6988	16.1	35.4	50.5	1882	1.0	62.6	6.7	263	2.00	16	4.8	5.0	190	26.8	17.0	<0.5	70	2.13
639838	Drill Core	4.34	9731	28.5	59.2	200.2	512	2.9	92.7	7.3	242	3.97	41	6.4	4.3	153	8.4	50.5	<0.5	83	0.96
639839	Drill Core	4.00	9475	27.6	56.5	130.9	154	2.0	87.9	7.5	161	2.85	37	5.8	4.5	125	2.3	42.0	<0.5	82	0.79
639840	Rock Pulp	0.02	1017	0.8	15.3	3.7	29	<0.5	2.0	2.6	546	1.52	<5	1.7	4.2	11	<0.5	<0.5	<0.5	14	0.14
639841	Drill Core	4.40	7695	12.2	42.6	40.8	1504	1.0	51.4	7.3	143	1.66	18	3.1	5.0	106	22.7	19.3	<0.5	62	0.99
639842	Drill Core	4.73	8811	20.5	55.1	91.1	651	1.6	75.4	7.0	191	2.41	35	4.6	5.1	154	10.1	33.7	<0.5	76	1.34
639843	Drill Core	3.67	7748	20.9	43.3	43.1	2999	1.1	68.3	7.1	219	1.50	19	5.6	4.7	187	42.5	20.8	<0.5	70	1.82
639844	Drill Core	3.68	8815	24.7	49.0	74.6	2570	1.7	79.6	7.6	107	1.82	28	7.1	4.8	113	35.0	28.0	<0.5	73	0.78
639845	Drill Core	4.43	10261	21.8	51.6	113.9	424	1.5	78.6	6.7	216	2.82	34	4.7	4.8	133	6.7	37.1	<0.5	79	1.00
639846	Drill Core	4.52	7116	27.5	51.5	111.2	937	1.9	87.9	7.6	113	2.27	49	5.9	4.6	119	15.1	37.2	<0.5	88	0.65
639847	Drill Core	4.18	6726	33.3	67.2	84.3	1618	3.8	90.4	7.3	92	3.09	46	8.9	4.2	97	22.5	39.3	<0.5	115	0.71
639848	Drill Core	3.97	4812	9.5	22.1	21.8	1269	1.0	37.8	3.5	334	1.68	12	3.0	2.6	466	17.0	12.3	<0.5	53	4.26
639849	Drill Core	4.32	8543	20.2	53.7	24.7	1203	1.4	83.7	7.7	111	1.61	29	5.2	5.8	130	14.7	19.7	<0.5	99	1.13
639850	Rock Pulp	0.02	44	4.4	6921	21231	4483	188.5	14.7	12.9	230	3.88	223	<0.5	<0.5	12	77.4	457.7	24.2	<10	0.19
639851	Drill Core	4.10	8676	20.0	50.1	21.8	1902	1.3	72.9	7.9	125	1.38	15	4.9	5.5	144	22.4	15.6	<0.5	92	1.28
639852	Drill Core	4.04	7062	17.0	42.5	38.9	1970	1.5	63.4	6.5	382	2.32	24	5.0	4.8	250	26.3	19.8	<0.5	79	2.47
639853	Drill Core	3.65	9688	21.6	56.3	58.3	1955	1.8	81.9	7.3	145	1.98	42	7.4	3.8	123	28.8	30.5	<0.5	75	1.13
639854	Drill Core	4.15	7832	24.6	51.8	72.1	3294	2.2	86.8	7.7	326	2.32	38	5.9	4.3	180	50.7	33.6	<0.5	86	1.50
639855	Drill Core	4.05	7469	20.5	50.7	88.3	647	2.8	87.4	6.4	646	3.49	46	3.8	4.6	372	10.5	39.8	<0.5	70	3.35
639856	Drill Core	4.07	7180	22.6	41.4	58.6	1707	2.2	84.3	7.3	530	3.13	46	3.7	4.8	256	27.1	32.8	<0.5	76	2.51
639857	Drill Core	2.42	7365	22.7	45.8	86.3	977	2.8	96.9	7.2	361	3.31	55	3.4	4.8	173	15.8	37.5	<0.5	81	1.68
639858	Drill Core	2.37	7987	21.8	41.4	75.5	3073	2.6	95.6	7.8	261	3.24	51	3.5	4.4	132	48.5	33.5	<0.5	75	1.15
639859	Drill Core	3.56	28568	22.1	54.8	257.4	1305	7.2	106.2	5.6	669	6.68	121	3.1	3.1	204	20.7	49.1	<0.5	94	2.90
639860 DUP 639859 PULP	Drill Core		28426	21.5	55.7	249.7	1303	7.1	111.2	6.3	666	6.69	120	3.0	3.1	210	21.7	50.1	<0.5	93	2.94

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Project: AKIE
Report Date: August 23, 2010

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CERTIFICATE OF ANALYSIS VAN10003593.1

	Method	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	7AR.1
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Pb
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		%
	MDL	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0	0.01
639831	Drill Core	0.060	13.6	9.4	0.20	883	0.005	0.48	<0.01	0.31	<0.5	0.42	2.2	7.1	6.00	<5	19	2.73	
639832	Drill Core	0.069	15.2	8.6	0.25	1133	0.005	0.53	<0.01	0.34	<0.5	0.22	2.8	3.6	3.46	<5	15	2.70	
639833	Drill Core	0.072	16.0	8.5	0.20	848	0.004	0.48	<0.01	0.31	<0.5	0.36	2.0	4.4	3.90	<5	23	2.69	
639834	Drill Core	0.042	16.3	7.7	0.25	1199	0.004	0.51	<0.01	0.32	<0.5	0.36	2.2	3.2	2.82	<5	18	2.66	
639835	Drill Core	0.053	22.5	7.5	0.53	2108	0.005	0.54	<0.01	0.37	<0.5	0.16	2.7	1.2	1.27	<5	9	2.63	
639836	Drill Core	0.088	22.9	9.9	0.42	1128	0.006	0.66	<0.01	0.40	<0.5	0.16	2.8	1.0	1.21	<5	10	2.59	
639837	Drill Core	0.077	21.8	8.0	0.55	1216	0.005	0.52	<0.01	0.33	<0.5	0.26	2.9	1.6	1.65	<5	11	2.59	
639838	Drill Core	0.067	17.6	7.8	0.08	850	0.005	0.50	<0.01	0.30	<0.5	0.67	1.7	5.2	4.39	<5	35	2.67	
639839	Drill Core	0.059	20.0	7.3	0.16	1342	0.004	0.52	<0.01	0.33	<0.5	0.52	2.1	4.2	2.99	<5	38	2.64	
639840	Rock Pulp	0.017	8.6	13.5	0.22	151	0.077	0.59	0.09	0.30	<0.5	<0.05	2.9	<0.5	<0.05	<5	<2	I.S.	
639841	Drill Core	0.070	22.5	7.8	0.27	1015	0.005	0.55	<0.01	0.34	<0.5	0.23	2.5	1.4	1.60	<5	17	2.55	
639842	Drill Core	0.063	20.7	7.3	0.27	1739	0.005	0.51	<0.01	0.31	<0.5	0.36	2.4	3.2	2.39	<5	31	2.64	
639843	Drill Core	0.072	20.6	7.2	0.18	1264	0.005	0.49	<0.01	0.32	<0.5	0.27	2.0	1.4	1.62	<5	22	2.53	
639844	Drill Core	0.071	20.7	6.8	0.10	1569	0.004	0.48	<0.01	0.30	<0.5	0.25	1.6	2.5	2.08	<5	27	2.60	
639845	Drill Core	0.058	20.0	7.4	0.21	1276	0.004	0.51	<0.01	0.30	<0.5	0.26	2.3	3.3	2.92	<5	34	2.64	
639846	Drill Core	0.052	19.7	8.3	0.08	1133	0.005	0.51	<0.01	0.31	<0.5	0.28	1.9	3.3	2.44	<5	31	2.64	
639847	Drill Core	0.098	15.5	10.9	0.05	1124	0.005	0.49	<0.01	0.28	<0.5	0.30	1.4	2.1	3.42	<5	32	2.63	
639848	Drill Core	0.063	14.5	5.3	0.62	1208	0.004	0.35	<0.01	0.20	<0.5	0.09	1.5	0.9	1.26	<5	15	2.63	
639849	Drill Core	0.190	22.4	10.7	0.24	1381	0.006	0.68	<0.01	0.37	<0.5	0.12	2.6	1.0	1.69	<5	17	2.59	
639850	Rock Pulp	0.016	0.5	29.2	0.04	11	<0.001	0.05	<0.01	0.02	18.4	1.22	0.7	<0.5	3.57	<5	72	I.S.	
639851	Drill Core	0.180	23.5	10.9	0.28	1356	0.006	0.64	<0.01	0.36	<0.5	0.14	2.2	0.9	1.49	<5	18	2.62	
639852	Drill Core	0.105	18.8	7.4	0.63	1144	0.005	0.54	<0.01	0.30	<0.5	0.14	2.7	1.5	2.21	<5	26	2.66	
639853	Drill Core	0.051	18.7	7.1	0.10	1850	0.004	0.50	<0.01	0.29	<0.5	0.23	1.8	2.4	2.25	<5	45	2.65	
639854	Drill Core	0.063	18.6	7.6	0.17	1531	0.005	0.51	<0.01	0.31	<0.5	0.30	2.0	2.5	2.67	<5	35	2.65	
639855	Drill Core	0.057	17.2	8.0	0.51	1238	0.005	0.46	<0.01	0.27	<0.5	0.24	2.9	3.9	3.68	<5	38	2.66	
639856	Drill Core	0.067	18.6	7.6	0.27	1274	0.005	0.52	<0.01	0.30	<0.5	0.26	2.4	3.1	3.44	<5	24	2.68	
639857	Drill Core	0.059	17.5	8.4	0.27	1214	0.005	0.50	<0.01	0.28	<0.5	0.30	2.8	4.1	3.64	<5	28	2.66	
639858	Drill Core	0.077	19.0	9.8	0.15	1322	0.005	0.52	<0.01	0.29	<0.5	0.38	2.5	3.8	3.67	<5	24	2.66	
639859	Drill Core	0.055	12.6	11.3	0.13	340	0.004	1.09	<0.01	0.20	<0.5	0.75	3.3	8.9	7.07	<5	32	2.78	
639860 DUP 639859 PULP	Drill Core	0.058	12.5	11.2	0.13	402	0.003	1.07	<0.01	0.19	<0.5	0.74	2.5	8.9	7.13	<5	31	2.82	

CERTIFICATE OF ANALYSIS VAN10003593.1

	Method	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	5	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
639861	Drill Core	4.78	83789	15.4	36.3	152.1	992	7.6	76.6	5.1	1540	7.24	96	2.7	2.4	370	16.4	16.1	<0.5	119	5.42
639862	Drill Core	3.50	152978	12.6	31.7	115.7	20	4.3	63.1	4.1	831	4.38	73	2.5	3.1	1051	<0.5	10.3	<0.5	160	5.72
639863	Drill Core	4.42	150958	12.0	31.9	130.8	156	2.7	57.6	4.5	576	3.43	42	2.9	3.0	893	1.5	12.8	<0.5	206	5.77
639864	Drill Core	3.02	73015	40.6	36.2	115.5	6101	0.9	81.7	8.9	121	2.04	25	11.1	3.0	86	55.4	19.6	<0.5	133	0.76
639865	Drill Core	1.67	720	12.4	17.0	8.9	7	<0.5	29.1	4.7	222	0.70	7	5.1	0.9	287	<0.5	2.8	<0.5	41	22.63
639866	Drill Core	1.80	89662	15.0	33.9	110.2	27	0.8	45.3	7.5	283	2.55	20	5.1	4.2	244	<0.5	18.8	<0.5	36	3.26
639867	Drill Core	2.39	1249	17.0	24.6	12.6	15	<0.5	40.4	6.4	297	1.06	11	8.1	1.7	329	<0.5	4.1	<0.5	51	16.65
639868	Drill Core	2.14	721	25.3	40.9	20.2	5	0.6	66.2	11.6	240	1.48	15	9.0	2.7	251	<0.5	7.0	<0.5	75	12.77
639869	Drill Core	2.19	353	11.8	18.7	9.8	12	<0.5	33.8	5.2	325	0.88	7	6.3	1.2	421	<0.5	3.1	<0.5	37	24.50
639870	Rock Pulp	0.02	973	0.6	15.2	4.4	31	<0.5	1.9	2.9	551	1.45	<5	1.8	4.6	15	<0.5	<0.5	<0.5	13	0.38
639871	Drill Core	2.43	794	32.3	39.4	20.9	7	0.6	73.0	11.7	178	1.35	17	7.1	2.9	145	<0.5	6.7	<0.5	79	9.15
639872	Drill Core	1.36	580	21.7	31.2	14.4	11	0.6	57.6	7.1	370	1.19	13	6.2	2.6	222	<0.5	4.6	<0.5	68	19.74
639873	Drill Core	2.06	841	14.6	23.4	11.3	18	0.5	44.2	6.3	882	1.03	12	5.0	2.0	266	<0.5	4.1	<0.5	56	20.26
639874	Drill Core	1.97	1164	11.4	23.3	13.2	<5	<0.5	40.5	6.3	1421	1.15	10	3.4	1.4	335	<0.5	4.1	<0.5	50	22.46
639875	Drill Core	2.07	618	19.5	28.8	15.9	17	0.6	47.4	8.3	219	1.13	13	5.5	2.0	247	<0.5	5.1	<0.5	58	16.78
639876	Drill Core	2.83	566	14.2	21.1	12.0	17	<0.5	38.4	5.9	266	1.00	11	5.4	1.5	315	<0.5	3.8	<0.5	47	18.19
639877	Drill Core	2.02	562	22.3	32.2	17.4	69	<0.5	60.4	9.9	201	1.27	15	7.5	2.5	188	1.0	6.2	<0.5	63	11.45
639878	Drill Core	1.81	1039	27.1	35.9	38.2	6	0.5	72.3	14.3	184	1.75	23	8.8	2.6	97	<0.5	7.5	<0.5	123	4.54
639879	Drill Core	1.61	810	17.3	41.1	252.0	30	5.2	225.7	57.6	873	7.50	105	2.5	2.6	119	<0.5	21.3	<0.5	80	5.01
639880	Rock Pulp	0.02	911	3.9	2893	12637	21725	25.0	10.1	10.4	845	3.21	13	<0.5	1.0	75	133.0	38.4	1.0	34	1.11
639881	Drill Core	2.12	905	17.5	40.6	289.3	26	6.2	228.7	42.6	909	7.99	111	1.6	2.2	137	<0.5	19.3	<0.5	72	6.33
639882	Drill Core	1.93	1195	17.5	44.2	239.4	32	7.3	156.3	40.4	451	4.95	77	1.6	2.9	99	0.9	13.2	<0.5	65	3.89
639883	Drill Core	2.93	1610	12.5	32.6	166.5	69	3.4	143.0	38.4	946	5.32	72	1.5	1.5	177	0.6	15.5	<0.5	78	8.63
639884	Drill Core	2.15	1354	19.3	36.2	146.1	930	0.8	66.0	10.3	496	1.63	18	3.8	2.7	122	7.4	10.3	<0.5	43	5.79
639885	Drill Core	3.08	1451	10.4	24.8	114.8	604	0.9	47.5	5.7	822	1.47	18	1.7	2.0	290	4.5	7.1	<0.5	39	11.73
639886	Drill Core	2.39	1831	6.0	11.5	203.0	16	1.5	29.8	1.8	2059	3.14	32	0.7	0.9	544	<0.5	7.8	<0.5	48	26.80
639887	Drill Core	1.98	1384	6.1	20.2	110.8	602	1.0	39.6	2.5	1859	1.48	20	1.0	1.2	448	6.1	9.4	<0.5	51	24.76
639888	Drill Core	2.21	1754	7.1	32.4	74.3	3903	0.6	32.0	3.4	1607	0.74	8	1.3	1.6	365	35.3	8.1	<0.5	52	21.07
639889	Drill Core	2.31	1646	7.0	26.5	59.4	3231	0.5	29.2	2.8	1771	0.69	8	1.2	1.8	413	25.5	6.5	<0.5	55	23.33
639890 DUP 639889 RJT	Drill Core		1663	6.6	27.2	61.1	3186	0.5	28.1	2.9	1734	0.67	6	1.1	1.6	398	25.3	6.3	<0.5	57	22.34

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Project: AKIE
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CERTIFICATE OF ANALYSIS VAN10003593.1

	Method	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	7AR.1
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Pb
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		%
	MDL	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0	0.01
639861	Drill Core	0.080	11.6	19.9	0.47	417	0.003	2.63	<0.01	0.10	<0.5	0.94	6.6	7.4	6.61	<5	16	2.92	
639862	Drill Core	0.115	15.2	27.1	0.29	1245	0.009	2.55	<0.01	0.08	<0.5	0.45	6.6	3.8	2.37	6	11	2.96	
639863	Drill Core	0.141	17.1	40.1	0.35	2654	0.041	2.90	<0.01	0.07	<0.5	0.28	7.0	4.7	1.29	7	10	2.95	
639864	Drill Core	0.045	15.2	11.2	0.27	5734	0.003	2.82	<0.01	0.11	<0.5	0.67	5.9	2.2	0.95	5	13	2.70	
639865	Drill Core	0.039	8.7	4.8	0.24	456	0.002	0.19	<0.01	0.12	<0.5	<0.05	1.4	<0.5	0.63	<5	4	2.63	
639866	Drill Core	0.044	18.1	9.8	0.77	3907	0.002	2.87	<0.01	0.13	<0.5	0.20	5.8	3.4	1.08	<5	6	2.79	
639867	Drill Core	0.166	13.1	7.1	0.35	874	0.003	0.27	<0.01	0.17	<0.5	<0.05	1.8	0.6	0.94	<5	5	2.63	
639868	Drill Core	0.176	16.7	9.9	0.18	268	0.004	0.37	<0.01	0.26	<0.5	0.08	2.3	0.7	1.41	<5	9	2.66	
639869	Drill Core	0.099	13.5	4.6	0.19	137	0.002	0.19	<0.01	0.13	<0.5	<0.05	2.0	<0.5	0.80	<5	5	2.63	
639870	Rock Pulp	0.018	8.8	14.5	0.22	157	0.081	0.69	0.12	0.35	<0.5	<0.05	3.9	<0.5	<0.05	<5	<2	I.S.	
639871	Drill Core	0.064	12.2	9.1	0.23	213	0.003	0.40	<0.01	0.27	<0.5	0.07	1.5	0.7	1.32	<5	9	2.60	
639872	Drill Core	0.111	19.4	10.3	0.63	190	0.003	0.32	<0.01	0.22	<0.5	0.05	1.9	0.7	0.95	<5	9	2.61	
639873	Drill Core	0.090	15.4	12.5	0.48	502	0.003	0.30	<0.01	0.21	<0.5	<0.05	1.8	<0.5	0.89	<5	8	2.64	
639874	Drill Core	0.047	9.4	9.0	0.21	896	0.002	0.22	<0.01	0.18	<0.5	<0.05	1.6	<0.5	1.17	<5	7	2.64	
639875	Drill Core	0.059	11.1	6.2	0.26	239	0.002	0.29	<0.01	0.22	<0.5	0.06	1.5	0.5	1.15	<5	8	2.62	
639876	Drill Core	0.054	11.9	5.9	0.37	305	0.002	0.24	<0.01	0.17	<0.5	<0.05	1.7	<0.5	0.83	<5	7	2.62	
639877	Drill Core	0.115	13.3	11.6	0.65	196	0.003	0.36	<0.01	0.25	<0.5	0.06	2.3	0.7	1.10	<5	7	2.60	
639878	Drill Core	0.045	17.7	9.6	0.33	339	0.002	0.38	<0.01	0.29	<0.5	0.13	2.7	0.8	1.70	<5	12	2.64	
639879	Drill Core	0.080	12.6	12.4	0.10	232	0.003	0.44	<0.01	0.34	<0.5	0.44	2.0	12.2	9.11	<5	15	2.77	
639880	Rock Pulp	0.081	9.9	23.0	1.42	210	0.117	1.96	0.06	0.24	<0.5	0.15	1.9	<0.5	1.94	6	<2	I.S.	
639881	Drill Core	0.075	10.3	13.4	0.10	297	0.002	0.39	<0.01	0.32	<0.5	0.48	2.1	14.8	9.75	<5	14	2.83	
639882	Drill Core	0.068	15.8	12.3	0.11	286	0.002	0.42	<0.01	0.35	<0.5	0.39	2.0	8.8	6.07	<5	14	2.69	
639883	Drill Core	0.029	9.3	13.5	0.18	445	0.002	0.31	<0.01	0.26	<0.5	0.27	2.5	5.6	6.05	<5	12	2.72	
639884	Drill Core	0.036	12.0	7.2	0.13	478	0.003	0.41	<0.01	0.31	<0.5	0.13	2.5	6.0	1.86	<5	6	2.60	
639885	Drill Core	0.029	10.5	7.3	0.19	536	0.002	0.34	<0.01	0.25	<0.5	0.09	2.4	3.7	1.53	<5	3	2.63	
639886	Drill Core	0.042	4.4	9.4	0.68	1402	0.002	0.21	0.01	0.16	<0.5	0.12	1.8	3.4	3.41	<5	4	2.69	
639887	Drill Core	0.031	5.2	7.2	0.47	931	0.002	0.25	0.01	0.18	<0.5	0.09	2.0	4.6	1.52	<5	7	2.63	
639888	Drill Core	0.033	6.4	5.2	0.26	1062	0.002	0.28	0.01	0.23	<0.5	0.22	2.6	4.0	0.89	<5	7	2.60	
639889	Drill Core	0.030	6.8	5.2	0.29	1040	0.002	0.27	0.01	0.21	<0.5	0.18	2.1	6.9	0.74	<5	6	2.62	
639890 DUP 639889 RJT	Drill Core	0.030	7.1	5.1	0.29	1020	0.002	0.29	0.01	0.21	<0.5	0.20	2.1	6.9	0.78	<5	4	2.62	

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620-650 West Georgia Street
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Project: AKIE
Report Date: August 23, 2010

CERTIFICATE OF ANALYSIS VAN10003593.1

Method		**WGHT**	**4A**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**
Analyte		**Wgt**	**Ba**	**Mo**	**Cu**	**Pb**	**Zn**	**Ag**	**Ni**	**Co**	**Mn**	**Fe**	**As**	**U**	**Th**	**Sr**	**Cd**	**Sb**	**Bi**	**V**	**Ca**
Unit		**kg**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**
MDL		**0.01**	**5**	**0.5**	**0.5**	**0.5**	**5**	**0.5**	**0.5**	**0.5**	**5**	**0.01**	**5**	**0.5**	**0.5**	**5**	**0.5**	**0.5**	**0.5**	**10**	**0.01**
639891	Drill Core	2.20	1659	4.5	12.5	41.2	1584	<0.5	17.4	2.0	2350	0.65	<5	0.8	1.1	535	13.5	3.2	<0.5	36	27.88
639892	Drill Core	2.32	2041	25.9	35.9	182.1	6251	0.5	59.3	7.8	569	2.01	23	6.2	2.4	255	49.8	8.5	<0.5	26	8.74
639893	Drill Core	2.08	2055	33.6	44.4	251.3	2258	1.1	99.5	17.5	316	2.97	33	8.5	3.7	124	18.5	15.2	<0.5	27	4.69
639894	Drill Core	2.43	2003	9.9	22.5	124.1	15	<0.5	37.5	4.9	1099	2.60	11	3.3	2.4	297	<0.5	4.9	<0.5	22	15.95
639895	Drill Core	1.98	2755	13.9	28.2	141.1	222	0.6	37.1	5.9	632	2.17	15	5.0	3.2	207	1.4	5.0	<0.5	25	10.45
639896	Drill Core	1.99	2325	27.8	39.7	172.8	266	0.7	44.1	7.4	247	2.64	20	7.5	3.4	132	2.0	7.1	<0.5	32	5.22
639897	Drill Core	2.06	2738	38.0	37.3	128.0	949	0.7	49.1	7.3	250	1.93	18	8.1	2.9	116	10.0	7.4	<0.5	37	7.18
639898	Drill Core	2.32	671	16.8	18.9	46.8	153	<0.5	34.8	4.1	144	0.96	10	6.3	1.6	190	1.8	4.8	<0.5	33	23.25
639899	Drill Core	2.47	1295	48.2	31.5	157.6	6	0.9	98.9	18.2	166	2.05	28	11.1	3.5	126	<0.5	20.9	<0.5	29	7.39
639900	Rock Pulp	0.02	981	0.7	13.1	2.7	28	<0.5	1.7	2.9	533	1.46	<5	1.6	4.9	9	<0.5	<0.5	<0.5	14	0.15
639901	Drill Core	2.17	1496	28.8	36.2	75.9	6	0.6	75.8	11.3	76	1.24	20	8.4	4.3	30	<0.5	12.3	<0.5	129	1.06
639902	Drill Core	2.36	1130	23.8	39.4	62.4	<5	0.8	71.0	10.7	132	1.74	22	7.3	4.1	52	<0.5	12.2	<0.5	79	3.03
639903	Drill Core	2.43	2384	18.7	23.4	42.2	14	0.6	47.5	8.4	185	1.32	14	6.1	3.6	75	<0.5	9.0	<0.5	75	3.61
639904	Drill Core	1.96	1093	25.8	43.5	73.6	753	1.0	49.5	8.6	106	1.03	14	8.2	3.8	44	6.0	11.1	<0.5	110	2.16
639905	Drill Core	2.45	1084	22.2	39.2	48.2	7	0.7	67.6	6.4	136	1.54	19	7.3	3.1	41	<0.5	11.6	<0.5	75	2.96
639906	Drill Core	2.22	1015	24.0	34.1	52.7	2034	0.6	58.8	6.0	137	1.85	14	7.4	3.7	68	10.8	11.9	<0.5	64	3.53
639907	Drill Core	2.34	1264	14.2	29.8	26.6	1211	<0.5	43.2	4.1	223	1.29	15	5.5	3.5	95	5.5	6.4	<0.5	49	7.68
639908	Drill Core	1.85	1241	24.7	36.4	31.2	1235	<0.5	50.1	5.5	186	1.51	14	7.3	4.2	73	8.4	6.9	<0.5	59	4.22
639909	Drill Core	2.25	1017	22.7	26.1	25.7	711	<0.5	46.2	5.2	317	1.50	7	7.4	5.0	80	5.5	5.3	<0.5	44	6.47
639910	Rock Pulp	0.02	936	3.6	2783	12243	20922	23.0	9.2	10.1	801	3.30	12	<0.5	1.0	66	113.0	35.0	0.8	39	1.00
639911	Drill Core	2.27	1006	22.9	32.9	31.9	771	<0.5	51.6	5.3	254	1.81	9	5.8	4.8	73	5.8	6.2	<0.5	50	5.54
639912	Drill Core	2.33	1076	16.1	26.4	35.8	130	<0.5	50.0	7.0	229	1.64	9	4.5	6.0	69	1.2	5.3	<0.5	39	4.93
639913	Drill Core	2.51	704	17.7	23.5	20.9	<5	<0.5	46.2	7.7	222	1.13	8	5.8	3.0	155	<0.5	5.4	<0.5	49	11.74
639914	Drill Core	2.00	872	23.8	32.9	29.2	<5	0.6	49.7	10.1	190	1.57	11	4.8	3.9	69	<0.5	5.9	<0.5	55	6.28
639915	Drill Core	2.24	466	14.1	14.5	13.1	99	<0.5	22.0	2.4	199	0.67	6	4.8	1.6	273	0.7	2.9	<0.5	30	27.34
639916	Drill Core	2.41	713	30.4	28.2	27.6	16	<0.5	61.5	7.9	270	1.60	13	10.4	3.5	112	<0.5	5.4	<0.5	38	8.86
639917	Drill Core	2.22	398	12.6	14.7	13.0	723	<0.5	29.0	2.7	168	0.78	7	5.0	1.8	190	4.0	2.4	<0.5	28	22.03
639918	Drill Core	2.82	737	12.5	13.6	19.6	253	<0.5	37.5	3.1	146	0.82	6	3.6	3.0	145	1.3	2.7	<0.5	13	14.08
639919	Drill Core	2.38	357	20.8	10.7	10.0	1089	<0.5	19.7	1.4	228	0.40	<5	3.8	1.7	301	10.2	1.4	<0.5	20	26.79
639920 DUP 639919 PULP	Drill Core		353	18.7	11.9	8.5	1075	<0.5	21.3	1.4	225	0.43	<5	4.3	1.6	276	9.2	1.7	<0.5	18	26.66

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CERTIFICATE OF ANALYSIS VAN10003593.1

	Method	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**G8SG**	**7AR.1**
	Analyte	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**SG**	**Pb**
	Unit	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**		**%**
	MDL	**0.001**	**0.5**	**0.5**	**0.01**	**5**	**0.001**	**0.01**	**0.01**	**0.01**	**0.5**	**0.05**	**0.5**	**0.5**	**0.05**	**5**	**2**	**0**	**0.01**
639891	Drill Core	0.022	6.6	3.8	0.50	1353	0.001	0.20	0.02	0.14	<0.5	0.13	1.7	8.6	0.50	<5	<2	2.63	
639892	Drill Core	0.025	8.7	5.1	0.14	618	0.002	0.35	<0.01	0.27	<0.5	0.44	1.7	7.5	2.58	<5	4	2.65	
639893	Drill Core	0.062	10.1	6.4	0.17	538	0.004	0.42	<0.01	0.30	<0.5	0.34	2.1	7.7	3.65	<5	6	2.61	
639894	Drill Core	0.047	7.5	5.5	0.54	1300	0.003	0.34	<0.01	0.23	<0.5	0.15	2.4	4.2	2.99	<5	3	2.67	
639895	Drill Core	0.061	8.7	6.0	0.52	1695	0.003	0.41	<0.01	0.28	<0.5	0.14	2.5	3.2	2.41	<5	3	2.63	
639896	Drill Core	0.059	10.1	6.0	0.30	1296	0.004	0.46	<0.01	0.33	<0.5	0.19	2.0	3.0	3.12	<5	4	2.59	
639897	Drill Core	0.056	10.6	7.0	0.19	1692	0.004	0.42	<0.01	0.30	<0.5	0.19	2.1	2.2	2.25	<5	6	2.64	
639898	Drill Core	0.041	7.4	4.4	0.26	255	0.002	0.26	<0.01	0.19	<0.5	0.07	1.3	0.9	0.99	<5	3	2.61	
639899	Drill Core	0.046	11.5	5.3	0.18	280	0.003	0.43	<0.01	0.31	<0.5	0.18	2.2	2.8	2.40	<5	6	2.64	
639900	Rock Pulp	0.019	8.5	13.5	0.22	155	0.080	0.71	0.12	0.35	<0.5	<0.05	4.2	<0.5	<0.05	<5	<2	I.S.	
639901	Drill Core	0.048	18.3	8.1	0.30	435	0.004	0.58	<0.01	0.42	<0.5	0.08	2.4	1.6	1.30	<5	12	2.58	
639902	Drill Core	0.070	13.1	8.7	0.63	262	0.005	0.49	<0.01	0.36	<0.5	0.11	2.1	1.3	1.72	<5	11	2.62	
639903	Drill Core	0.042	13.6	5.8	1.52	1497	0.004	0.46	<0.01	0.32	<0.5	0.07	2.1	0.9	1.02	<5	7	2.64	
639904	Drill Core	0.052	13.3	9.2	0.69	192	0.005	0.48	<0.01	0.33	<0.5	0.15	1.8	1.4	0.92	<5	22	2.58	
639905	Drill Core	0.059	9.9	6.4	0.51	202	0.005	0.43	<0.01	0.28	<0.5	0.10	1.6	1.1	1.54	<5	14	2.60	
639906	Drill Core	0.046	9.1	6.9	0.71	194	0.004	0.41	<0.01	0.25	<0.5	0.25	1.7	1.4	1.98	<5	8	2.66	
639907	Drill Core	0.088	11.7	7.0	1.12	580	0.005	0.41	<0.01	0.24	<0.5	0.10	1.4	0.8	1.21	<5	4	2.62	
639908	Drill Core	0.079	11.5	7.7	1.01	439	0.005	0.44	<0.01	0.24	<0.5	0.16	1.9	0.6	1.50	<5	5	2.64	
639909	Drill Core	0.077	17.0	7.6	2.31	247	0.006	0.47	<0.01	0.28	<0.5	0.14	2.3	0.8	1.29	<5	4	2.64	
639910	Rock Pulp	0.075	8.2	21.4	1.39	164	0.104	1.83	0.05	0.20	<0.5	0.19	1.3	<0.5	1.86	<5	<2	I.S.	
639911	Drill Core	0.077	14.4	8.6	1.43	202	0.006	0.46	<0.01	0.27	<0.5	0.09	1.9	0.7	1.78	<5	3	2.66	
639912	Drill Core	0.075	13.6	8.0	1.34	176	0.006	0.50	<0.01	0.30	<0.5	0.07	1.9	0.5	1.55	<5	4	2.70	
639913	Drill Core	0.064	10.8	7.2	0.60	240	0.004	0.32	<0.01	0.19	<0.5	0.07	1.3	<0.5	1.03	<5	3	2.60	
639914	Drill Core	0.053	10.0	7.1	0.86	208	0.004	0.40	<0.01	0.24	<0.5	0.13	1.4	0.6	1.47	<5	6	2.62	
639915	Drill Core	0.086	10.3	5.5	0.75	274	0.002	0.23	<0.01	0.13	<0.5	<0.05	1.1	<0.5	0.61	<5	3	2.63	
639916	Drill Core	0.111	10.9	8.2	2.26	140	0.005	0.41	<0.01	0.25	<0.5	0.08	1.9	0.7	1.39	<5	4	2.63	
639917	Drill Core	0.136	11.1	10.0	0.76	120	0.003	0.23	<0.01	0.14	<0.5	0.09	1.3	<0.5	0.75	<5	4	2.62	
639918	Drill Core	0.017	12.8	4.3	0.51	135	0.003	0.33	<0.01	0.20	<0.5	0.07	1.6	<0.5	0.83	<5	<2	2.61	
639919	Drill Core	0.017	14.1	5.0	0.34	147	0.002	0.17	<0.01	0.11	<0.5	0.08	0.9	<0.5	0.39	<5	<2	2.65	
639920 DUP 639919 PULP	Drill Core	0.019	13.6	4.6	0.33	150	0.002	0.18	<0.01	0.12	<0.5	<0.05	0.7	0.6	0.38	<5	<2	2.65	

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620-650 West Georgia Street
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Project: AKIE
Report Date: August 23, 2010

CERTIFICATE OF ANALYSIS VAN10003593.1

Method		WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
Analyte		Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	5	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
639921	Drill Core	2.07	259	16.8	17.6	9.5	804	<0.5	24.9	1.6	190	0.35	<5	5.4	1.1	314	7.3	1.5	<0.5	11	35.18
639922	Drill Core	1.76	730	12.8	19.8	29.4	42	<0.5	40.0	6.1	177	1.18	9	3.2	3.1	185	0.6	2.9	<0.5	14	19.00
639923	Drill Core	2.32	817	19.8	22.9	26.3	389	<0.5	42.0	4.6	168	1.14	9	3.6	3.2	150	3.5	3.6	<0.5	24	13.04
639924	Drill Core	2.32	469	6.4	5.2	7.4	431	<0.5	17.1	1.4	170	0.33	<5	4.2	1.0	279	4.6	1.4	<0.5	14	30.52
639925	Drill Core	2.69	1495	8.7	8.0	11.7	78	<0.5	17.5	2.3	157	0.57	<5	3.9	1.0	237	0.7	1.7	<0.5	<10	30.55
639926	Drill Core	2.26	1009	35.4	46.4	35.4	2303	0.6	73.3	8.6	111	1.44	16	6.8	4.0	61	21.9	6.4	<0.5	77	4.13
639927	Drill Core	2.26	897	20.1	20.1	24.0	450	<0.5	45.8	5.0	168	1.23	9	4.4	4.0	111	4.3	3.7	<0.5	27	8.25
639928	Drill Core	2.24	1413	29.5	57.8	51.2	664	0.7	94.1	11.8	115	2.02	19	6.2	4.9	57	4.9	7.7	<0.5	51	2.90
639929	Drill Core	2.08	1212	28.3	40.5	40.0	1766	0.5	84.7	9.4	109	1.74	25	9.4	3.7	67	15.9	6.3	<0.5	39	5.31
639930	Rock Pulp	0.02	984	0.7	12.5	3.3	21	<0.5	1.2	2.6	562	1.50	<5	1.7	5.1	9	<0.5	<0.5	<0.5	15	0.13
639931	Drill Core	2.30	1188	33.8	29.7	38.0	340	<0.5	57.6	6.1	195	1.46	13	9.3	3.3	75	2.9	4.7	<0.5	53	6.36
639932	Drill Core	2.74	7628	29.0	42.9	151.4	241	1.0	118.1	9.5	96	2.37	41	7.5	3.5	131	2.4	17.1	<0.5	50	0.75
639933	Drill Core	4.24	9442	25.4	33.0	53.7	952	0.8	79.3	7.7	223	1.86	24	5.8	4.5	509	8.4	10.4	<0.5	52	2.45
639934	Drill Core	4.04	8614	20.3	41.4	166.8	1180	2.3	75.4	7.5	281	4.07	32	3.4	7.0	236	11.8	20.1	<0.5	69	1.34
639935	Drill Core	4.05	6783	19.0	38.1	248.5	2861	3.4	70.7	4.7	177	4.54	37	3.1	3.2	373	24.2	21.2	<0.5	77	2.30
639936	Drill Core	4.06	15051	22.8	37.5	673.5	6530	2.8	78.5	6.6	296	8.17	45	3.2	3.5	374	39.0	28.4	<0.5	62	2.18
639937	Drill Core	4.31	25359	25.3	53.6	736.8	10140	2.6	85.6	5.6	266	9.31	40	3.5	3.5	117	59.6	37.7	<0.5	62	0.77
639938	Drill Core	4.24	18241	25.3	45.8	542.3	6314	2.5	77.6	5.6	275	7.92	37	3.9	4.0	174	36.2	32.8	<0.5	60	1.13
639939	Drill Core	2.52	14968	15.0	21.3	96.4	3521	0.6	63.7	7.4	88	2.29	16	2.7	5.4	159	18.1	9.0	<0.5	49	0.75
639940	Rock Pulp	0.02	935	4.2	2849	12033	20101	28.1	12.6	10.0	831	3.35	12	<0.5	1.0	80	119.9	36.6	1.1	38	1.04
639941	Drill Core	3.93	14366	27.0	60.3	966.1	11720	4.7	91.6	5.2	318	10.91	54	3.1	3.1	192	70.4	40.6	<0.5	64	1.22
639942	Drill Core	4.04	22435	29.7	41.3	1577	14092	4.7	96.9	5.3	374	14.50	71	2.7	2.2	224	80.2	33.9	<0.5	61	1.05
639943	Drill Core	2.05	47192	13.2	18.6	381.4	5426	0.8	44.9	5.8	256	2.87	14	4.0	5.6	563	28.5	5.6	<0.5	59	1.84
639944	Drill Core	4.68	23412	41.5	48.5	1742	7301	5.6	115.3	5.2	378	17.30	93	3.7	2.0	118	42.4	43.3	<0.5	70	0.65
639945	Drill Core	3.28	24517	10.5	18.8	167.4	1800	0.5	50.0	5.5	244	2.75	14	2.2	5.5	288	8.4	5.8	<0.5	53	1.90
639946	Drill Core	2.85	15817	22.1	44.0	670.7	4612	2.4	76.0	5.8	239	7.79	41	2.9	4.1	179	27.2	24.9	<0.5	60	0.97
639947	Drill Core	3.78	15935	36.2	77.7	1199	18986	6.2	118.2	6.7	378	13.25	71	4.9	3.0	162	109.6	51.5	<0.5	81	0.91
639948	Drill Core	5.96	18517	10.6	19.0	55.3	2179	<0.5	61.9	6.8	70	1.56	12	2.1	6.3	130	11.7	5.3	<0.5	49	0.64
639949	Drill Core	3.98	18334	26.8	55.7	685.1	6277	3.3	88.2	5.3	360	10.08	45	4.0	3.1	303	39.7	39.7	<0.5	69	2.04
639950 DUP 639949 PULP	Drill Core		17908	25.5	52.8	686.8	6298	3.3	85.6	5.3	363	10.09	43	4.0	3.0	307	41.4	37.1	<0.5	71	2.04

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	Method	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	7AR.1
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Pb
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		%
	MDL	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0	0.01
639921	Drill Core	0.024	11.8	4.1	0.27	127	0.001	0.14	<0.01	0.10	<0.5	0.08	0.8	<0.5	0.34	<5	3	2.63	
639922	Drill Core	0.032	10.5	4.6	0.33	239	0.003	0.41	<0.01	0.27	<0.5	0.05	1.8	0.6	1.28	<5	2	2.64	
639923	Drill Core	0.033	10.0	5.1	0.44	191	0.003	0.39	<0.01	0.25	<0.5	0.08	2.0	0.6	1.19	<5	3	2.61	
639924	Drill Core	0.028	7.6	3.9	0.38	307	0.002	0.17	<0.01	0.11	<0.5	<0.05	0.9	<0.5	0.33	<5	<2	2.65	
639925	Drill Core	0.019	6.8	3.9	0.33	1218	0.002	0.16	<0.01	0.12	<0.5	<0.05	0.8	<0.5	0.61	<5	<2	2.63	
639926	Drill Core	0.061	12.3	6.9	0.21	230	0.004	0.50	<0.01	0.32	<0.5	0.19	1.7	0.7	1.67	<5	10	2.62	
639927	Drill Core	0.033	11.9	5.8	0.47	205	0.004	0.40	<0.01	0.25	<0.5	0.10	1.5	0.6	1.23	<5	3	2.63	
639928	Drill Core	0.076	16.5	7.0	0.10	197	0.004	0.49	<0.01	0.38	<0.5	0.19	2.1	0.8	2.33	<5	6	2.65	
639929	Drill Core	0.051	14.2	5.9	0.16	349	0.004	0.44	<0.01	0.28	<0.5	0.23	1.3	1.2	1.97	<5	8	2.64	
639930	Rock Pulp	0.018	7.9	12.4	0.24	139	0.080	0.61	0.10	0.30	<0.5	<0.05	3.2	<0.5	<0.05	<5	<2	I.S.	
639931	Drill Core	0.037	12.7	5.4	2.05	291	0.003	0.37	<0.01	0.24	<0.5	0.10	1.6	1.3	1.33	<5	4	2.64	
639932	Drill Core	0.023	18.4	6.3	0.04	811	0.004	0.41	<0.01	0.18	<0.5	0.27	0.9	3.9	2.61	<5	9	2.66	
639933	Drill Core	0.038	18.9	8.1	0.14	963	0.004	0.46	<0.01	0.22	<0.5	0.17	1.2	1.6	1.96	<5	11	2.64	
639934	Drill Core	0.079	26.4	8.9	0.24	1137	0.006	0.53	<0.01	0.28	<0.5	0.21	1.9	4.3	4.38	<5	15	2.73	
639935	Drill Core	0.079	13.4	13.8	0.08	922	0.004	0.44	<0.01	0.21	<0.5	0.34	1.1	5.6	5.20	<5	15	2.69	
639936	Drill Core	0.042	13.7	7.1	0.14	287	0.004	0.53	<0.01	0.20	<0.5	0.56	1.7	13.0	9.65	<5	19	2.82	
639937	Drill Core	0.038	13.4	6.0	0.17	324	0.003	0.82	<0.01	0.16	<0.5	0.78	1.9	17.6	10.78	<5	34	2.86	
639938	Drill Core	0.045	13.9	5.4	0.21	376	0.004	0.53	<0.01	0.17	<0.5	0.48	1.9	12.3	9.27	<5	22	2.86	
639939	Drill Core	0.042	21.9	6.0	0.11	1817	0.004	0.53	<0.01	0.21	<0.5	0.23	1.7	2.7	2.71	<5	11	2.66	
639940	Rock Pulp	0.079	9.8	20.3	1.40	182	0.110	1.87	0.05	0.22	<0.5	0.14	1.4	<0.5	1.90	6	<2	I.S.	
639941	Drill Core	0.024	11.8	4.5	0.16	181	0.004	0.49	<0.01	0.19	<0.5	0.70	1.7	23.3	13.28	<5	28	2.90	
639942	Drill Core	0.028	9.8	5.4	0.24	129	0.003	0.60	<0.01	0.14	<0.5	0.83	1.8	28.8	17.53	<5	24	3.02	
639943	Drill Core	0.050	20.8	8.0	0.34	1258	0.003	1.44	<0.01	0.18	<0.5	0.23	3.3	5.9	2.78	<5	8	2.71	
639944	Drill Core	0.024	7.6	5.2	0.11	147	0.003	0.55	<0.01	0.13	<0.5	0.70	1.3	25.4	20.64	<5	28	3.12	
639945	Drill Core	0.040	23.3	4.5	0.54	1436	0.004	0.49	<0.01	0.21	<0.5	0.09	2.6	2.8	2.96	<5	8	2.68	
639946	Drill Core	0.032	14.6	4.9	0.19	359	0.004	0.48	<0.01	0.19	<0.5	0.31	1.9	11.1	9.18	<5	21	2.82	
639947	Drill Core	0.024	10.6	6.4	0.13	143	0.004	0.50	<0.01	0.21	<0.5	0.72	1.9	37.7	16.37	<5	39	3.00	
639948	Drill Core	0.031	20.1	4.7	0.13	3609	0.004	0.52	<0.01	0.27	<0.5	0.12	2.2	1.4	1.81	<5	10	2.65	
639949	Drill Core	0.022	8.5	3.8	0.31	169	0.003	0.48	<0.01	0.20	<0.5	0.41	1.8	14.8	12.02	<5	30	2.87	
639950 DUP 639949 PULP	Drill Core	0.023	8.2	4.7	0.30	172	0.004	0.49	<0.01	0.21	<0.5	0.37	2.4	14.3	11.98	<5	29	2.86	

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CERTIFICATE OF ANALYSIS VAN10003593.1

	Method	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	5	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
851500	Drill Core		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
851501	Drill Core	4.58	7390	79.3	34.5	132.9	492	<0.5	75.4	9.5	42	2.60	47	18.8	4.1	34	2.1	6.8	<0.5	25	0.28
851502	Drill Core	4.78	7053	50.1	38.3	66.2	704	<0.5	78.5	8.9	53	2.04	34	12.5	4.2	50	2.7	5.5	<0.5	34	0.40
851503	Drill Core	2.57	7238	71.2	56.2	198.5	35	0.9	93.7	8.7	216	4.55	79	16.0	3.4	391	<0.5	8.9	<0.5	32	3.22
851504	Drill Core	5.77	8007	60.2	41.4	71.7	1126	<0.5	106.1	10.4	32	2.17	43	13.9	4.3	42	5.1	6.1	<0.5	62	0.27
851505	Drill Core	3.70	8574	54.4	42.2	73.5	1323	<0.5	102.9	9.9	76	2.15	41	13.0	4.6	139	6.5	6.0	<0.5	65	0.75
851506	Drill Core	4.15	11556	52.0	44.5	103.7	34	<0.5	110.5	9.5	51	2.43	47	14.4	4.3	82	<0.5	6.1	<0.5	62	0.37
851507	Drill Core	2.05	10252	42.0	28.6	91.7	2140	<0.5	96.7	6.7	89	2.03	37	11.9	3.2	120	12.4	4.7	<0.5	60	0.78
851508	Drill Core	5.36	7538	72.7	51.8	249.9	19	0.9	205.2	9.7	123	5.34	129	14.5	3.5	151	<0.5	10.4	<0.5	40	1.41
851509	Drill Core	4.47	8118	46.8	34.3	106.9	9	<0.5	134.1	11.8	30	2.92	58	10.8	5.0	31	<0.5	4.5	<0.5	45	0.19
851510	Drill Core	4.03	3938	27.6	38.6	201.6	21	0.6	97.1	5.3	307	3.15	62	6.6	1.6	721	<0.5	4.2	<0.5	34	4.88
851511	Drill Core	4.23	6789	60.1	40.1	60.1	1913	<0.5	102.7	11.3	33	1.64	40	14.5	3.9	38	9.5	4.6	<0.5	61	0.27
851512	Drill Core	4.13	8368	71.6	49.0	83.8	2589	<0.5	136.1	13.2	20	2.41	51	17.7	4.6	20	13.6	6.4	<0.5	67	0.13
851513	Rock Pulp	0.02	1023	0.7	4812	14032	41329	30.2	8.4	12.0	5495	4.70	<5	<0.5	0.5	94	284.8	1.3	2.4	54	4.15
851514	Drill Core	3.82	7939	75.3	47.4	103.1	586	<0.5	154.8	12.2	23	2.70	52	19.1	5.0	19	3.5	5.0	<0.5	72	0.13
851515	Drill Core	3.16	7776	72.7	52.6	161.5	20	<0.5	148.1	13.1	21	2.92	59	19.8	5.2	19	<0.5	7.9	<0.5	69	0.14
851516	Drill Core	2.80	7228	57.2	33.1	121.2	301	<0.5	142.3	11.6	35	2.45	58	15.8	4.4	32	1.9	6.1	<0.5	58	0.26
851517	Drill Core	4.23	7072	62.6	55.7	312.8	15	1.1	227.0	12.6	36	4.75	114	13.4	4.3	29	<0.5	14.0	<0.5	56	0.23
851518	Drill Core	4.61	6885	56.9	36.9	186.5	8	0.7	133.3	9.4	40	2.47	66	13.1	4.4	46	<0.5	11.1	<0.5	67	0.34
851519	Drill Core	2.76	5619	32.9	38.6	138.2	9	0.6	90.7	7.5	184	2.06	35	7.9	3.4	329	<0.5	8.5	<0.5	63	2.54
851520	Drill Core	4.56	4692	28.5	19.7	30.6	2764	<0.5	40.1	5.8	184	0.88	13	9.0	2.6	376	18.3	3.1	<0.5	67	2.46
851521	Drill Core	3.00	5282	38.5	31.3	26.4	1033	<0.5	71.0	7.1	51	1.53	17	11.1	3.4	73	7.1	6.0	<0.5	61	0.66
851522	Drill Core	4.18	32236	37.3	31.3	32.5	512	<0.5	65.5	7.6	191	1.98	21	11.5	3.8	568	4.3	8.9	<0.5	57	4.79
851523	Drill Core	2.76	58803	44.0	31.8	30.0	19	0.6	75.6	8.1	80	2.42	25	13.5	4.1	226	<0.5	12.4	<0.5	62	1.51
851524	Drill Core	3.06	59279	48.3	33.8	30.4	37	0.7	46.1	8.1	83	2.51	26	10.2	3.7	162	<0.5	16.6	<0.5	23	1.16
851525	Drill Core	3.69	15479	37.0	37.5	22.5	744	0.6	85.3	6.6	55	1.72	22	11.6	3.6	101	6.0	15.0	<0.5	92	0.91
851526	Drill Core	4.54	2969	46.4	76.9	28.0	241	0.9	108.4	9.5	92	2.28	27	18.1	2.8	98	2.5	18.2	<0.5	39	0.95
851527	Rock Pulp	0.02	988	0.5	15.2	<0.5	30	<0.5	2.1	2.4	525	1.51	<5	1.4	5.6	10	<0.5	<0.5	<0.5	14	0.13
851528	Drill Core	3.28	15233	33.9	42.8	40.3	868	0.6	76.8	6.1	102	1.36	21	11.8	3.7	264	8.1	17.8	<0.5	62	0.89
851529	Drill Core	3.60	75668	35.0	42.5	39.0	928	0.7	85.6	6.4	155	1.74	24	12.1	3.3	236	8.8	18.8	<0.5	374	1.27

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Project: AKIE
Report Date: August 23, 2010

CERTIFICATE OF ANALYSIS VAN10003593.1

Method		7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	7AR.1
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Pb
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		%
MDL		0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0	0.01
851500	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
851501	Drill Core	0.038	15.5	3.8	0.04	881	0.005	0.46	<0.01	0.20	<0.5	0.21	1.1	2.9	3.03	<5	4	2.62	
851502	Drill Core	0.040	15.6	2.8	0.04	763	0.007	0.48	<0.01	0.20	<0.5	0.12	1.2	1.8	2.34	<5	4	2.56	
851503	Drill Core	0.039	14.9	3.1	0.05	974	0.004	0.44	<0.01	0.19	<0.5	0.30	1.2	5.3	5.35	<5	6	2.67	
851504	Drill Core	0.045	18.4	3.5	0.04	1534	0.005	0.51	<0.01	0.22	<0.5	0.14	1.2	1.7	2.54	<5	7	2.61	
851505	Drill Core	0.046	18.9	4.1	0.05	1897	0.005	0.50	<0.01	0.22	<0.5	0.18	1.1	1.8	2.47	<5	6	2.58	
851506	Drill Core	0.047	18.8	3.6	0.04	1795	0.005	0.53	<0.01	0.23	<0.5	0.16	1.1	2.1	2.78	<5	7	2.48	
851507	Drill Core	0.043	14.2	4.2	0.04	2253	0.005	0.43	<0.01	0.19	<0.5	0.20	1.1	2.5	2.43	<5	4	2.53	
851508	Drill Core	0.034	13.8	2.9	0.05	922	0.005	0.48	<0.01	0.20	<0.5	0.53	1.2	9.0	6.20	<5	7	2.58	
851509	Drill Core	0.042	20.1	4.3	0.04	1035	0.005	0.48	<0.01	0.24	<0.5	0.22	1.0	3.4	3.28	<5	5	2.50	
851510	Drill Core	0.015	7.6	5.1	0.05	827	0.003	0.32	<0.01	0.13	<0.5	0.14	0.8	4.8	3.47	<5	3	2.53	
851511	Drill Core	0.043	15.9	4.3	0.03	873	0.004	0.46	<0.01	0.22	<0.5	0.12	1.2	1.8	1.90	<5	6	2.52	
851512	Drill Core	0.064	17.6	4.8	0.04	854	0.005	0.46	<0.01	0.24	<0.5	0.23	1.2	2.0	2.84	<5	9	2.56	
851513	Rock Pulp	0.051	3.0	27.4	1.30	157	0.120	1.50	<0.01	1.22	<0.5	0.09	3.2	0.7	4.87	<5	<2	1.25	
851514	Drill Core	0.059	20.1	4.4	0.04	911	0.005	0.49	<0.01	0.25	<0.5	0.19	1.4	2.3	3.10	<5	7	2.41	
851515	Drill Core	0.062	18.5	4.5	0.04	938	0.007	0.48	<0.01	0.25	<0.5	0.23	1.4	2.6	3.36	<5	7	2.62	
851516	Drill Core	0.052	17.5	3.4	0.03	1098	0.005	0.47	<0.01	0.22	<0.5	0.17	1.4	3.4	2.80	<5	6	2.61	
851517	Drill Core	0.042	14.8	3.4	0.04	775	0.006	0.48	<0.01	0.26	<0.5	0.41	1.3	8.7	5.45	<5	9	2.60	
851518	Drill Core	0.042	17.7	5.0	0.04	809	0.005	0.45	<0.01	0.24	<0.5	0.20	0.9	5.2	2.76	<5	7	2.48	
851519	Drill Core	0.042	13.8	4.9	0.06	855	0.005	0.42	<0.01	0.21	<0.5	0.15	1.1	2.8	2.28	<5	6	2.54	
851520	Drill Core	0.027	10.6	5.8	0.04	797	0.005	0.36	<0.01	0.17	<0.5	0.16	0.7	1.0	1.01	<5	3	2.56	
851521	Drill Core	0.041	15.0	3.7	0.04	760	0.005	0.35	<0.01	0.17	<0.5	0.21	1.0	0.8	1.76	<5	5	2.57	
851522	Drill Core	0.049	18.0	4.2	0.08	3174	0.004	1.16	<0.01	0.16	<0.5	0.24	1.9	1.0	1.76	<5	8	2.54	
851523	Drill Core	0.049	19.5	6.4	0.05	2857	0.004	1.91	<0.01	0.16	<0.5	0.20	2.4	1.5	1.65	<5	5	2.68	
851524	Drill Core	0.050	15.9	7.3	0.07	2401	0.003	2.14	<0.01	0.15	<0.5	0.43	3.6	2.5	1.64	<5	3	2.70	
851525	Drill Core	0.042	15.7	5.5	0.05	2569	0.003	0.61	<0.01	0.17	<0.5	0.17	1.5	0.9	1.80	<5	14	2.55	
851526	Drill Core	0.045	11.5	8.9	0.05	480	0.004	0.30	<0.01	0.15	<0.5	0.25	1.1	1.2	2.46	<5	7	2.62	
851527	Rock Pulp	0.017	8.0	12.5	0.21	134	0.078	0.60	0.09	0.30	<0.5	<0.05	3.2	<0.5	<0.05	<5	<2	I.S.	
851528	Drill Core	0.048	15.3	3.2	0.14	4024	0.003	0.56	<0.01	0.13	<0.5	0.25	1.5	0.8	1.51	<5	10	2.61	
851529	Drill Core	0.058	14.2	19.0	0.43	11334	0.048	2.67	<0.01	0.07	0.5	0.26	6.0	1.1	0.70	6	10	2.71	

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CERTIFICATE OF ANALYSIS VAN10003593.1

	Method	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	5	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
851530	Drill Core	3.51	53846	23.5	34.3	46.5	429	<0.5	63.7	4.2	1319	2.12	31	7.4	2.3	1471	3.5	15.8	<0.5	221	13.90
851531	Drill Core	4.03	83928	40.3	37.9	31.9	900	0.6	105.3	7.1	114	1.77	24	12.5	3.1	104	8.0	14.4	<0.5	486	0.80
851532	Drill Core	3.58	59820	38.4	39.6	44.8	1155	0.7	89.5	6.2	99	1.54	25	12.0	3.4	141	10.0	18.3	<0.5	143	0.68
851533	Drill Core	3.78	18565	24.2	23.4	29.7	494	0.5	63.8	4.4	1139	1.20	18	7.5	2.0	2060	4.6	12.7	<0.5	105	15.67
851534	Drill Core	3.93	9104	38.2	45.1	46.0	1339	0.8	76.8	7.1	67	1.63	27	11.9	3.8	150	12.8	20.8	<0.5	94	0.50
851535	Drill Core	3.71	6682	49.5	37.3	162.1	1275	<0.5	82.1	8.8	55	2.42	50	12.0	3.7	70	5.6	5.9	<0.5	39	0.50
851536	Drill Core	3.06	6752	85.6	45.1	254.1	620	0.7	71.0	9.6	117	4.26	74	19.5	4.1	81	2.5	5.6	<0.5	28	1.02
851537	Drill Core	3.58	6837	59.3	34.1	99.1	287	<0.5	84.4	10.3	241	2.36	36	13.0	4.0	316	1.3	4.0	<0.5	34	2.70
851538	Drill Core	4.05	7750	38.8	26.9	57.3	1105	<0.5	67.8	6.1	30	1.46	28	8.7	2.7	42	5.9	3.8	<0.5	42	0.29
851539	Drill Core	2.89	7179	68.4	47.8	197.6	552	0.6	190.4	9.7	41	4.15	91	15.1	4.2	46	3.0	9.2	<0.5	51	0.30
851540 DUP 851539 RJT	Drill Core		7195	69.2	47.6	192.8	538	0.6	177.5	9.8	41	4.13	89	14.9	4.1	46	3.0	9.5	<0.5	50	0.34
851541	Drill Core	1.91	8221	44.2	43.2	171.6	11	<0.5	145.1	11.4	132	3.32	70	9.6	4.1	178	<0.5	7.2	<0.5	44	1.61
851542	Drill Core	3.04	6189	44.1	23.4	44.3	1346	<0.5	82.4	8.3	118	1.50	31	10.6	2.8	250	8.1	4.3	<0.5	43	1.35
851543	Drill Core	4.25	7072	61.6	44.1	145.6	624	<0.5	136.5	11.0	273	2.66	58	14.5	3.9	747	3.6	10.7	<0.5	53	3.72
851544	Drill Core	2.51	7119	47.7	34.7	132.2	900	0.6	113.2	9.8	84	2.11	47	11.3	3.4	160	6.0	13.8	<0.5	62	1.13
851545	Drill Core	3.62	12065	35.9	38.5	57.3	555	<0.5	72.1	6.7	230	1.44	18	11.1	2.9	374	3.6	7.3	<0.5	81	2.21
851546	Drill Core	2.33	8266	17.6	37.3	12.1	215	0.6	55.7	8.7	197	1.77	18	4.0	6.0	255	2.5	9.8	<0.5	83	2.75
851547	Drill Core	1.83	11346	16.5	35.5	11.9	559	0.6	48.3	6.8	149	1.70	15	4.0	4.9	254	6.9	11.2	<0.5	77	2.61
851548	Drill Core	2.46	8295	12.8	39.3	15.7	381	0.7	53.7	8.2	65	1.42	16	2.8	6.0	104	3.6	11.0	<0.5	57	0.88
851549	Drill Core	1.95	8029	16.5	41.9	10.9	408	0.7	56.7	7.9	62	1.27	17	3.7	5.5	131	4.2	9.7	<0.5	64	0.87
851550	Drill Core	1.21	7202	21.7	40.9	12.0	1861	0.8	57.3	7.4	30	1.29	17	4.3	4.2	33	20.6	12.8	<0.5	69	0.20
851551	Rock Pulp	0.02	1015	0.6	14.7	<0.5	26	<0.5	1.6	3.0	546	1.53	<5	1.5	5.2	9	<0.5	<0.5	<0.5	15	0.13
851552	Drill Core	2.35	8011	21.0	42.8	13.7	790	1.0	64.2	8.1	90	1.80	18	4.8	5.1	66	10.0	12.0	<0.5	80	0.59
851553	Drill Core	2.43	7912	19.2	40.7	21.1	140	0.9	65.2	6.7	138	1.72	19	4.6	5.0	204	1.6	11.4	<0.5	65	1.63
851554	Drill Core	2.53	8186	11.9	29.8	14.4	601	<0.5	47.4	6.7	219	1.83	14	2.6	5.5	418	6.0	8.5	<0.5	59	3.00
851555	Drill Core	2.23	8807	14.7	44.2	42.2	1015	0.9	67.8	7.9	137	2.69	21	3.0	5.9	168	8.3	16.6	<0.5	59	1.27
851556	Drill Core	2.08	8608	7.9	36.0	7.6	24	<0.5	39.9	8.1	157	1.63	14	2.0	6.3	91	<0.5	5.6	<0.5	61	1.03
851557	Drill Core	2.24	9010	14.0	35.2	26.9	741	0.5	60.7	6.8	98	1.95	20	3.0	6.0	92	6.6	13.3	<0.5	63	0.70
851558	Drill Core	2.05	8230	13.3	39.6	41.7	578	0.7	70.6	7.5	201	2.95	21	2.7	5.7	182	5.4	17.1	<0.5	68	1.48
851559	Drill Core	2.17	7822	12.9	36.4	29.9	950	<0.5	57.2	8.5	258	2.82	19	3.1	6.2	131	8.6	12.4	<0.5	70	1.63

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Client: **Canada Zinc Metals Corp.**
620-650 West Georgia Street
Vancouver BC V6B 4N9 Canada

Project: AKIE
Report Date: August 23, 2010

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CERTIFICATE OF ANALYSIS VAN10003593.1

	Method	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**G8SG**	**7AR.1**
	Analyte	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**SG**	**Pb**
	Unit	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**		**%**
	MDL	**0.001**	**0.5**	**0.5**	**0.01**	**5**	**0.001**	**0.01**	**0.01**	**0.01**	**0.5**	**0.05**	**0.5**	**0.5**	**0.05**	**5**	**2**	**0**	**0.01**
851530	Drill Core	0.072	8.1	12.6	0.51	2151	0.035	1.67	<0.01	0.04	<0.5	0.36	4.7	1.6	1.59	<5	8	2.76	
851531	Drill Core	0.065	15.1	26.8	0.40	16244	0.071	2.97	<0.01	0.06	<0.5	0.40	7.2	1.7	0.56	6	10	2.69	
851532	Drill Core	0.050	15.5	11.0	0.28	9469	0.008	2.07	<0.01	0.08	0.6	0.30	4.0	1.4	0.86	<5	12	2.68	
851533	Drill Core	0.059	9.9	6.2	0.94	4947	0.003	0.63	<0.01	0.09	<0.5	0.24	2.2	1.2	1.22	<5	7	2.64	
851534	Drill Core	0.043	16.6	6.8	0.05	2569	0.004	0.46	<0.01	0.17	0.7	0.36	1.4	1.2	1.88	<5	11	2.61	
851535	Drill Core	0.043	14.2	6.1	0.04	952	0.004	0.44	<0.01	0.23	<0.5	0.23	1.4	3.7	2.72	<5	4	2.64	
851536	Drill Core	0.051	12.5	4.5	0.03	734	0.005	0.43	<0.01	0.22	<0.5	0.29	1.7	7.1	4.87	<5	4	2.64	
851537	Drill Core	0.050	14.7	6.5	0.04	1036	0.004	0.43	<0.01	0.23	<0.5	0.16	1.7	2.0	2.64	<5	4	2.59	
851538	Drill Core	0.032	13.1	3.8	0.02	1255	0.003	0.33	<0.01	0.16	<0.5	0.15	1.3	1.8	1.71	<5	4	2.62	
851539	Drill Core	0.049	13.8	5.5	0.04	912	0.005	0.45	<0.01	0.23	<0.5	0.49	1.6	6.9	4.70	<5	8	2.68	
851540 DUP 851539 RJT	Drill Core	0.048	13.8	5.6	0.04	902	0.005	0.46	<0.01	0.23	<0.5	0.32	1.7	6.6	4.66	<5	7	2.66	
851541	Drill Core	0.049	15.9	5.6	0.04	1398	0.004	0.50	<0.01	0.23	<0.5	0.23	1.7	5.2	3.75	<5	7	2.66	
851542	Drill Core	0.037	11.7	6.3	0.04	958	0.004	0.32	<0.01	0.16	<0.5	0.20	1.3	1.7	1.63	<5	4	2.62	
851543	Drill Core	0.048	14.3	5.2	0.04	1006	0.004	0.41	<0.01	0.22	<0.5	0.37	1.7	3.4	2.95	<5	8	2.67	
851544	Drill Core	0.035	14.2	5.4	0.04	1376	0.005	0.40	<0.01	0.21	<0.5	0.29	1.4	4.1	2.38	<5	8	2.64	
851545	Drill Core	0.029	13.8	5.6	0.05	3218	0.004	0.41	<0.01	0.21	<0.5	0.10	1.5	1.1	1.54	<5	8	2.57	
851546	Drill Core	0.069	22.7	6.9	0.55	1553	0.004	0.52	<0.01	0.31	<0.5	0.13	3.6	0.9	1.30	<5	10	2.61	
851547	Drill Core	0.056	18.9	7.8	0.50	3218	0.003	0.51	<0.01	0.28	<0.5	0.40	3.6	0.8	1.43	<5	10	2.59	
851548	Drill Core	0.063	21.8	6.3	0.21	841	0.004	0.51	<0.01	0.33	<0.5	0.17	2.5	1.0	1.40	<5	9	2.65	
851549	Drill Core	0.059	22.0	7.0	0.16	901	0.004	0.53	<0.01	0.33	<0.5	0.16	2.6	0.9	1.24	<5	10	2.61	
851550	Drill Core	0.044	18.4	6.9	0.09	879	0.003	0.48	<0.01	0.29	<0.5	0.24	1.7	1.0	1.43	<5	12	2.58	
851551	Rock Pulp	0.017	8.2	14.2	0.21	139	0.079	0.60	0.09	0.31	<0.5	<0.05	3.7	<0.5	<0.05	<5	<2	I.S.	
851552	Drill Core	0.057	21.9	7.9	0.21	950	0.004	0.51	<0.01	0.33	<0.5	0.22	2.4	0.9	1.71	<5	11	2.52	
851553	Drill Core	0.070	20.8	7.3	0.20	1272	0.004	0.54	<0.01	0.32	<0.5	0.19	3.0	1.0	1.71	<5	15	2.54	
851554	Drill Core	0.053	21.2	7.6	0.39	1281	0.005	0.54	<0.01	0.35	<0.5	0.14	3.0	0.9	1.40	<5	7	2.62	
851555	Drill Core	0.062	21.2	7.1	0.20	1258	0.004	0.56	<0.01	0.37	<0.5	0.38	2.9	2.4	2.81	<5	8	2.67	
851556	Drill Core	0.063	24.3	8.9	0.39	1202	0.005	0.67	<0.01	0.43	<0.5	0.07	4.1	0.6	1.12	<5	4	2.60	
851557	Drill Core	0.061	21.9	8.6	0.20	1586	0.005	0.57	<0.01	0.37	<0.5	0.26	2.9	1.9	1.97	<5	9	2.65	
851558	Drill Core	0.061	21.1	8.4	0.42	1301	0.005	0.60	<0.01	0.37	<0.5	0.30	2.9	2.2	2.59	<5	8	2.71	
851559	Drill Core	0.068	22.7	7.9	0.49	1193	0.005	0.63	<0.01	0.42	<0.5	0.25	3.2	1.6	2.21	<5	8	2.70	

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	Method	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	5	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
851560	Drill Core	2.33	10057	18.0	43.3	58.7	329	0.7	74.9	7.5	110	3.00	28	3.9	5.5	109	3.2	20.4	<0.5	69	0.59
851561	Drill Core	2.49	8334	13.7	37.0	32.9	793	<0.5	57.2	8.3	115	2.17	17	3.0	5.5	97	7.8	13.8	<0.5	61	0.80
851562 DUP 851561 PULP	Drill Core		8389	14.1	34.2	32.7	786	<0.5	57.8	8.1	117	2.18	18	3.0	5.7	96	8.1	12.7	<0.5	60	0.81
851563	Drill Core	2.33	9841	12.9	38.2	45.3	67	0.6	62.5	8.0	146	3.02	26	2.6	6.1	114	0.6	17.8	<0.5	68	0.94
851564	Drill Core	2.32	8646	16.3	37.4	39.8	295	0.7	62.3	7.5	85	2.34	26	3.5	5.7	63	3.1	19.4	<0.5	71	0.51
851565	Drill Core	2.48	5803	15.8	23.7	7.9	1057	<0.5	31.7	6.2	181	1.66	10	3.7	3.9	200	9.2	7.2	<0.5	55	2.46
851566	Drill Core	2.48	7822	29.7	40.6	12.3	1335	<0.5	63.3	9.6	76	1.29	21	8.4	5.9	112	13.2	12.8	<0.5	78	1.04
851567	Drill Core	2.47	7545	30.5	43.0	18.0	852	<0.5	75.0	8.8	101	1.66	24	8.2	6.0	148	12.5	14.7	<0.5	81	1.51
851568	Drill Core	2.27	6996	26.0	35.6	12.0	274	<0.5	57.2	7.8	166	1.55	25	7.5	5.0	435	3.3	12.2	<0.5	74	3.75
851569	Drill Core	1.34	7674	27.5	38.8	17.8	1772	0.7	55.3	8.3	125	1.36	17	6.8	5.5	152	24.4	14.4	<0.5	75	1.77
851570	Drill Core	2.35	8673	20.4	45.9	64.8	167	1.5	76.4	7.2	81	2.78	37	3.5	5.2	116	2.7	31.0	<0.5	65	0.58
851571	Drill Core	2.24	9243	22.5	46.7	55.7	1419	1.6	79.3	8.2	125	2.62	31	4.5	5.4	203	24.5	29.0	<0.5	70	1.26
851572	Rock Pulp	0.02	1081	8.1	7130	>40000	72730	74.0	10.0	12.1	1052	5.08	104	1.1	3.1	13	233.0	472.9	3.9	23	0.22
851573	Drill Core	2.12	8528	18.1	45.4	26.6	2154	0.9	55.6	8.2	78	1.55	17	3.8	5.4	125	34.1	16.0	<0.5	61	0.88
851574	Drill Core	2.30	8338	24.1	46.5	43.5	1780	1.7	77.5	8.4	111	2.30	33	5.9	5.2	136	29.9	24.8	<0.5	84	0.96
851575	Drill Core	2.35	8763	22.1	43.5	12.4	2613	0.8	42.8	8.4	61	1.04	13	5.7	5.1	142	38.0	13.7	<0.5	71	0.87
851576	Drill Core	2.07	8667	20.1	50.4	75.9	209	2.0	79.3	6.8	131	2.93	45	3.4	5.1	199	3.1	35.3	<0.5	63	1.44
851577	Drill Core	2.48	9375	11.0	34.6	12.8	662	0.6	41.9	8.8	214	1.91	15	2.8	7.6	149	10.1	10.4	<0.5	60	1.79
851578	Drill Core	2.07	9657	13.2	36.7	11.3	434	<0.5	46.0	8.9	209	1.86	19	3.0	7.3	169	5.4	10.7	<0.5	64	2.03
851579	Drill Core	2.57	8997	13.7	36.2	10.6	583	<0.5	46.4	8.5	210	1.72	19	3.5	6.9	297	7.2	9.9	<0.5	67	2.82
851580	Drill Core	1.57	8569	34.7	33.2	47.4	3953	1.6	77.0	8.0	110	2.04	20	6.5	4.5	192	55.3	25.2	<0.5	84	1.25
851581	Drill Core	1.75	9297	32.0	66.0	168.5	30	4.5	100.4	6.8	136	5.61	82	3.1	4.9	180	0.6	57.1	<0.5	65	1.21
851582	Rock Pulp	0.02	987	0.7	15.4	2.8	25	<0.5	1.0	2.7	538	1.51	<5	1.7	5.2	10	<0.5	<0.5	<0.5	14	0.16
851583	Drill Core	2.42	9255	8.5	28.2	10.5	379	0.6	46.4	7.8	147	1.66	16	2.0	6.5	87	5.5	9.2	<0.5	50	1.04
851584	Drill Core	2.53	9997	11.9	45.1	10.8	1427	0.9	54.3	9.0	143	1.75	16	2.8	7.1	92	18.2	11.7	<0.5	57	0.95
851585	Drill Core	2.27	10970	9.7	39.0	7.6	1076	1.0	40.2	8.3	68	1.14	15	2.5	7.1	70	14.5	10.0	<0.5	48	0.64
851586	Drill Core	2.28	10576	14.6	38.1	9.3	1946	1.1	51.1	8.8	75	1.38	15	3.4	6.6	110	24.2	11.3	<0.5	57	0.90
851587	Drill Core	1.55	9808	17.6	24.1	11.9	1546	1.1	59.9	7.4	75	1.56	18	3.8	6.0	79	22.7	13.3	<0.5	68	0.71
851588	Drill Core	2.72	10716	28.5	56.5	122.8	31	4.7	96.5	7.2	207	6.56	68	2.9	5.0	183	<0.5	41.5	<0.5	62	1.27
851589	Drill Core	1.30	10185	10.6	15.1	11.7	18	<0.5	45.5	6.8	327	2.93	15	2.5	7.6	158	<0.5	7.4	<0.5	66	1.97

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	Method	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	7AR.1
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Pb
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		%
	MDL	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0	0.01
851560	Drill Core	0.059	20.2	7.5	0.15	1764	0.004	0.56	<0.01	0.37	<0.5	0.37	2.2	2.7	3.24	<5	11	2.65	
851561	Drill Core	0.063	21.9	7.5	0.21	1173	0.004	0.55	<0.01	0.37	<0.5	0.25	2.7	1.9	2.15	<5	8	2.67	
851562 DUP 851561 PULP	Drill Core	0.063	20.8	6.7	0.21	1123	0.004	0.54	<0.01	0.36	<0.5	0.26	2.3	1.5	2.14	<5	9	2.67	
851563	Drill Core	0.067	22.2	7.6	0.31	1833	0.005	0.59	<0.01	0.41	<0.5	0.29	2.8	2.2	2.97	<5	11	2.68	
851564	Drill Core	0.064	20.9	7.3	0.18	1433	0.004	0.60	<0.01	0.40	<0.5	0.31	2.2	2.1	2.45	<5	11	2.61	
851565	Drill Core	0.047	16.4	5.3	0.62	941	0.004	0.40	<0.01	0.27	<0.5	0.15	2.0	0.7	0.77	<5	6	2.61	
851566	Drill Core	0.079	22.5	6.5	0.29	1023	0.004	0.54	<0.01	0.36	<0.5	0.23	2.6	1.0	1.17	<5	10	2.56	
851567	Drill Core	0.082	22.3	7.4	0.38	1102	0.005	0.56	<0.01	0.35	<0.5	0.24	3.0	1.1	1.44	<5	12	2.60	
851568	Drill Core	0.073	20.6	6.4	0.45	1064	0.004	0.50	<0.01	0.30	<0.5	0.16	3.1	0.8	1.17	<5	10	2.59	
851569	Drill Core	0.073	20.1	6.0	0.28	1055	0.004	0.49	<0.01	0.31	<0.5	0.25	2.2	1.3	1.32	<5	16	2.59	
851570	Drill Core	0.056	19.1	6.4	0.11	1538	0.004	0.50	<0.01	0.34	<0.5	0.46	1.8	3.3	3.15	<5	32	2.66	
851571	Drill Core	0.066	19.3	6.4	0.22	1767	0.004	0.55	<0.01	0.35	<0.5	0.52	2.1	3.1	2.87	<5	41	2.65	
851572	Rock Pulp	0.022	5.1	11.7	0.25	518	0.091	0.52	0.07	0.37	3.2	10.91	2.4	46.8	6.14	<5	6	I.S.	5.77
851573	Drill Core	0.066	21.4	7.4	0.19	1305	0.004	0.52	<0.01	0.35	<0.5	0.39	2.0	1.3	1.60	<5	21	2.62	
851574	Drill Core	0.070	19.5	6.8	0.23	1774	0.004	0.55	<0.01	0.35	<0.5	0.50	2.1	2.2	2.40	<5	34	2.63	
851575	Drill Core	0.072	21.5	5.5	0.14	1749	0.004	0.51	<0.01	0.33	<0.5	0.28	1.6	1.0	1.10	<5	25	2.63	
851576	Drill Core	0.060	18.4	6.9	0.15	1926	0.004	0.51	<0.01	0.34	<0.5	0.45	1.8	3.4	3.12	<5	39	2.63	
851577	Drill Core	0.074	26.4	6.9	0.53	1603	0.005	0.61	<0.01	0.41	<0.5	0.14	3.4	0.9	1.10	<5	11	2.67	
851578	Drill Core	0.077	28.6	7.3	0.55	1627	0.005	0.63	<0.01	0.42	<0.5	0.14	3.9	0.9	1.04	<5	11	2.65	
851579	Drill Core	0.076	26.5	7.8	0.58	1646	0.005	0.62	<0.01	0.41	<0.5	0.11	3.9	0.8	1.02	<5	15	2.65	
851580	Drill Core	0.072	18.4	7.4	0.12	2057	0.004	0.55	<0.01	0.35	<0.5	0.36	2.0	2.6	2.32	<5	29	2.62	
851581	Drill Core	0.053	16.9	7.5	0.11	878	0.004	0.52	<0.01	0.34	<0.5	0.96	1.7	6.6	6.15	<5	35	2.75	
851582	Rock Pulp	0.019	8.4	13.2	0.21	151	0.089	0.62	0.10	0.34	<0.5	<0.05	3.3	<0.5	<0.05	<5	<2	I.S.	
851583	Drill Core	0.080	24.3	8.8	0.30	1519	0.005	0.59	<0.01	0.42	<0.5	0.09	3.3	0.7	1.25	<5	11	2.65	
851584	Drill Core	0.085	26.4	9.2	0.30	1795	0.005	0.61	<0.01	0.44	<0.5	0.10	3.6	0.7	1.41	<5	12	2.68	
851585	Drill Core	0.080	26.0	7.4	0.19	2291	0.005	0.61	<0.01	0.41	<0.5	0.07	2.9	0.8	0.99	<5	10	2.73	
851586	Drill Core	0.090	24.4	7.3	0.18	2110	0.005	0.59	<0.01	0.39	<0.5	0.08	2.8	0.8	1.34	<5	13	2.66	
851587	Drill Core	0.099	24.3	9.8	0.18	2173	0.005	0.62	<0.01	0.39	<0.5	0.13	2.4	1.2	1.53	<5	16	2.64	
851588	Drill Core	0.066	17.6	7.6	0.22	635	0.004	0.59	<0.01	0.33	<0.5	0.60	2.1	5.7	7.00	<5	25	2.79	
851589	Drill Core	0.073	26.1	7.3	0.62	1645	0.004	0.54	<0.01	0.36	<0.5	0.08	4.4	1.0	2.06	<5	9	2.69	

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Vancouver BC V6B 4N9 Canada

Project: AKIE
Report Date: August 23, 2010

CERTIFICATE OF ANALYSIS VAN10003593.1

	Method	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	5	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
851590	Drill Core	1.60	8721	28.8	47.0	80.9	1625	3.4	79.9	6.5	212	5.43	47	4.3	4.6	135	24.3	25.7	<0.5	73	1.18
851591	Drill Core	2.31	9142	30.3	54.1	93.5	727	4.1	79.8	7.1	225	5.24	55	4.2	4.4	237	11.6	23.9	<0.5	69	1.75
851592 DUP 851591 RJT	Drill Core		9077	30.6	53.5	93.3	759	4.4	86.9	7.0	221	5.31	54	4.5	4.5	212	11.6	23.7	<0.5	74	1.60
851593	Drill Core	2.28	9748	18.8	20.8	7.5	1767	0.7	61.2	7.6	204	1.95	15	3.8	5.7	177	23.5	6.1	<0.5	64	1.48
851594	Drill Core	0.90	12430	22.4	19.6	12.2	868	0.7	62.9	8.4	51	1.56	18	4.3	6.3	64	10.8	8.0	<0.5	64	0.42
851595	Drill Core	2.82	8326	37.6	87.5	179.5	171	7.1	118.5	6.5	279	9.30	90	3.3	4.1	178	2.1	30.1	<0.5	70	1.72
851596	Drill Core	2.39	12461	32.5	50.1	125.8	305	3.8	94.3	7.3	168	6.84	61	4.4	4.1	127	4.6	17.1	<0.5	67	0.81
851597	Drill Core	1.92	15329	10.4	14.0	8.3	248	<0.5	51.3	7.2	70	1.51	15	2.2	6.4	93	3.2	3.9	<0.5	48	0.66
851598	Drill Core	1.74	10452	34.0	81.8	188.9	318	6.6	115.6	5.5	268	9.78	93	2.8	3.4	144	4.2	23.6	<0.5	65	1.45
851599	Drill Core	2.12	9836	38.3	18.7	11.7	3324	0.8	76.0	8.4	79	1.68	17	7.8	5.2	160	34.3	5.7	<0.5	98	1.00
851600	Drill Core	2.83	10206	23.3	62.3	162.3	30	4.1	93.7	6.9	188	7.75	66	2.6	4.6	107	0.7	16.0	<0.5	57	0.77
851601	Rock Pulp	0.02	944	3.7	2812	12198	20226	25.7	10.2	10.9	781	3.36	12	<0.5	1.0	70	124.9	36.0	0.9	37	1.01
851602	Drill Core	2.15	10529	10.2	20.5	8.7	970	<0.5	42.1	7.1	239	2.09	9	2.1	7.4	147	10.1	4.4	<0.5	68	1.65
851603	Drill Core	2.72	9769	10.2	22.1	7.8	933	<0.5	39.2	7.0	343	2.63	12	2.2	7.2	212	9.1	3.6	<0.5	63	2.47
851604	Drill Core	1.59	10462	24.4	67.5	169.3	67	4.0	93.2	7.1	196	7.12	59	2.4	4.8	100	0.9	15.3	<0.5	58	0.88
851605	Drill Core	2.14	13531	11.1	11.3	9.6	891	<0.5	44.8	7.2	27	1.20	13	2.4	6.2	42	10.5	3.7	<0.5	45	0.27
851606	Drill Core	2.13	12568	26.8	67.7	160.7	44	5.0	92.0	6.8	218	7.65	62	2.5	4.5	171	0.8	15.4	<0.5	57	1.10
851607	Drill Core	2.19	13672	8.4	23.8	21.0	791	0.9	57.4	7.7	89	1.86	20	2.0	6.6	83	8.8	4.6	<0.5	42	0.71
851608	Drill Core	1.76	16291	8.4	18.0	13.5	437	0.7	49.8	7.3	39	1.47	14	1.7	6.3	44	4.7	3.6	<0.5	39	0.29
851609	Drill Core	1.39	13866	28.4	87.3	162.7	64	7.9	103.4	6.6	258	8.59	73	2.2	4.0	188	0.8	17.8	<0.5	52	1.11
851610	Drill Core	2.38	13986	23.3	16.5	7.6	2077	0.9	61.0	8.6	67	1.53	12	5.0	5.8	101	23.5	4.4	<0.5	60	0.64
851611	Rock Pulp	0.02	972	0.9	13.9	2.6	27	<0.5	1.4	2.6	530	1.48	<5	1.6	5.4	10	<0.5	<0.5	<0.5	15	0.15
851612	Drill Core	2.70	18028	11.8	35.2	31.8	478	2.3	61.9	7.3	60	2.60	28	1.8	5.3	100	5.0	6.5	<0.5	46	0.45
851613	Drill Core	1.80	17169	34.8	66.7	219.3	73	6.7	97.5	5.9	343	10.71	83	2.4	3.0	322	1.4	19.8	<0.5	50	3.30
851614	Drill Core	2.43	11122	11.2	14.9	11.9	199	0.6	50.7	7.1	179	2.10	14	2.3	6.3	126	2.1	3.7	<0.5	55	1.28
851615	Drill Core	2.61	4048	8.1	25.1	38.7	576	2.1	33.5	2.7	153	2.44	21	1.3	1.0	235	6.1	5.4	<0.5	38	1.37
851616	Drill Core	2.20	10049	36.3	55.1	29.2	1667	5.1	101.5	9.2	21	2.44	37	8.7	5.2	66	17.1	14.4	<0.5	117	0.32
851617	Drill Core	2.22	10283	35.9	55.3	31.4	3071	4.5	99.6	9.0	40	2.60	38	8.0	5.5	102	28.7	14.8	<0.5	120	0.84
851618	Drill Core	1.82	10722	20.4	37.5	28.5	2429	3.5	73.5	7.6	66	2.25	25	4.9	5.9	129	23.3	10.3	<0.5	83	0.67
851619	Drill Core	1.59	8939	21.8	68.6	162.1	26	8.9	85.5	6.8	260	7.20	56	2.6	4.4	172	<0.5	24.0	<0.5	59	1.19

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CERTIFICATE OF ANALYSIS VAN10003593.1

Method		7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	7AR.1
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Pb
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		%
MDL		0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0	0.01
851590	Drill Core	0.081	16.2	8.2	0.25	897	0.004	0.55	<0.01	0.31	<0.5	0.44	2.3	3.5	5.71	<5	20	2.73	
851591	Drill Core	0.083	15.7	8.0	0.27	977	0.004	0.51	<0.01	0.29	<0.5	0.29	2.4	3.9	5.54	<5	19	2.73	
851592 DUP 851591 RJT	Drill Core	0.078	16.0	8.1	0.25	907	0.004	0.54	<0.01	0.30	<0.5	0.40	2.2	3.7	5.59	<5	23	2.72	
851593	Drill Core	0.091	24.6	9.1	0.34	2668	0.005	0.58	<0.01	0.36	<0.5	0.12	3.0	0.9	1.64	<5	13	2.63	
851594	Drill Core	0.083	22.5	8.5	0.13	2594	0.004	0.62	<0.01	0.33	<0.5	0.13	2.2	1.2	1.62	<5	12	2.60	
851595	Drill Core	0.057	13.2	8.0	0.13	222	0.004	0.52	<0.01	0.30	<0.5	0.54	1.7	6.8	10.25	<5	26	2.87	
851596	Drill Core	0.067	13.4	7.1	0.09	349	0.004	0.64	<0.01	0.28	<0.5	0.40	1.7	5.5	7.52	<5	18	2.80	
851597	Drill Core	0.084	25.6	8.8	0.12	2789	0.004	0.75	<0.01	0.34	<0.5	0.06	1.9	0.9	1.43	<5	5	2.65	
851598	Drill Core	0.051	10.9	8.6	0.17	268	0.003	0.54	<0.01	0.23	<0.5	0.51	2.0	7.6	10.81	<5	20	2.90	
851599	Drill Core	0.166	20.9	10.4	0.15	2354	0.005	0.67	<0.01	0.34	<0.5	0.14	2.4	1.2	1.83	<5	12	2.60	
851600	Drill Core	0.063	15.2	8.8	0.19	301	0.004	0.56	<0.01	0.30	<0.5	0.38	2.4	5.1	8.45	<5	11	2.81	
851601	Rock Pulp	0.082	9.3	23.0	1.38	190	0.107	1.88	0.07	0.22	<0.5	0.15	1.6	<0.5	1.89	5	<2	I.S.	
851602	Drill Core	0.067	28.9	8.6	0.51	2040	0.005	0.71	<0.01	0.41	<0.5	0.09	3.8	0.8	1.22	<5	5	2.66	
851603	Drill Core	0.070	26.7	8.5	0.73	1677	0.005	0.60	<0.01	0.37	<0.5	0.06	3.5	0.7	1.25	<5	7	2.72	
851604	Drill Core	0.059	16.0	7.4	0.24	349	0.004	0.59	<0.01	0.32	<0.5	0.28	2.2	5.2	7.75	<5	10	2.81	
851605	Drill Core	0.076	23.2	6.7	0.08	3269	0.004	0.63	<0.01	0.31	<0.5	0.10	1.9	0.9	1.27	<5	5	2.62	
851606	Drill Core	0.067	15.0	8.4	0.13	310	0.005	0.67	<0.01	0.33	<0.5	0.36	2.3	5.8	8.55	<5	14	2.89	
851607	Drill Core	0.082	24.5	8.0	0.23	2098	0.004	0.67	<0.01	0.33	<0.5	0.12	2.7	1.4	1.79	<5	3	2.67	
851608	Drill Core	0.071	23.3	7.6	0.09	2632	0.004	0.72	<0.01	0.30	<0.5	0.06	1.8	1.1	1.44	<5	4	2.69	
851609	Drill Core	0.053	12.9	8.1	0.12	258	0.004	0.66	<0.01	0.26	<0.5	0.40	2.0	7.7	9.62	<5	13	2.83	
851610	Drill Core	0.143	21.6	9.8	0.14	2263	0.004	0.65	<0.01	0.30	<0.5	0.08	2.2	0.8	1.59	<5	9	2.59	
851611	Rock Pulp	0.020	8.3	11.9	0.22	152	0.074	0.67	0.13	0.32	<0.5	<0.05	3.4	<0.5	<0.05	<5	<2	I.S.	
851612	Drill Core	0.068	21.8	8.1	0.08	1006	0.004	0.83	<0.01	0.31	<0.5	0.09	1.8	2.1	2.66	<5	7	2.71	
851613	Drill Core	0.069	11.0	7.1	0.11	212	0.003	0.52	<0.01	0.22	<0.5	0.54	1.3	9.3	12.15	<5	14	2.92	
851614	Drill Core	0.082	24.6	8.8	0.43	2876	0.004	0.61	<0.01	0.34	<0.5	0.06	3.0	0.9	1.63	<5	5	2.68	
851615	Drill Core	0.029	3.8	11.7	0.19	1762	0.002	0.20	<0.01	0.11	<0.5	0.06	<0.5	1.6	2.24	<5	6	2.64	
851616	Drill Core	0.152	20.6	11.7	0.04	1137	0.005	0.59	<0.01	0.33	<0.5	0.13	1.6	1.3	2.77	<5	18	2.65	
851617	Drill Core	0.155	20.9	15.6	0.06	1074	0.005	0.62	<0.01	0.35	<0.5	0.17	2.0	1.3	3.01	<5	23	2.63	
851618	Drill Core	0.115	22.2	11.5	0.08	1305	0.005	0.62	<0.01	0.36	<0.5	0.09	2.1	1.4	2.52	<5	12	2.65	
851619	Drill Core	0.066	15.7	8.4	0.27	303	0.005	0.49	<0.01	0.30	<0.5	0.30	2.6	5.3	7.97	<5	14	2.83	

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Method		WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
Analyte		**Wgt**	**Ba**	**Mo**	**Cu**	**Pb**	**Zn**	**Ag**	**Ni**	**Co**	**Mn**	**Fe**	**As**	**U**	**Th**	**Sr**	**Cd**	**Sb**	**Bi**	**V**	**Ca**
Unit		**kg**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**
MDL		**0.01**	**5**	**0.5**	**0.5**	**0.5**	**5**	**0.5**	**0.5**	**0.5**	**5**	**0.01**	**5**	**0.5**	**0.5**	**5**	**0.5**	**0.5**	**0.5**	**10**	**0.01**
851620	Drill Core	2.34	10926	11.1	17.0	14.5	163	0.6	49.8	7.4	216	1.90	12	2.3	7.3	141	1.6	5.2	<0.5	61	1.46
851621	Drill Core	2.48	9573	19.7	57.4	155.8	175	5.6	75.4	7.2	197	6.56	48	2.5	5.2	162	1.9	18.5	<0.5	52	1.13
851622	Drill Core	2.46	10281	9.4	26.8	11.2	790	0.9	48.4	7.7	116	1.67	13	2.4	6.9	83	7.1	5.1	<0.5	52	0.78
851623 DUP 851622 PULP	Drill Core		10334	9.9	26.4	10.8	789	0.8	46.6	8.4	116	1.66	14	2.3	6.5	83	6.8	4.4	<0.5	55	0.77
851624	Drill Core	2.25	10513	11.3	40.1	11.6	1194	1.2	52.2	8.3	126	1.81	16	2.5	6.6	93	9.6	5.4	<0.5	53	0.86
851625	Drill Core	2.32	10437	10.5	39.0	10.3	916	1.2	46.3	7.4	190	1.79	14	2.1	6.2	247	6.0	4.7	<0.5	52	1.89
851626	Drill Core	2.46	10929	9.8	42.2	9.4	986	1.1	45.7	7.5	183	1.74	15	2.2	5.7	250	6.8	4.5	<0.5	49	1.79
851627	Drill Core	2.28	13420	11.7	29.0	10.9	1760	1.3	54.4	8.0	64	1.47	16	2.6	6.1	103	12.9	5.1	<0.5	50	0.63
851628	Drill Core	1.72	17941	13.4	27.9	23.8	1746	2.1	63.0	6.8	95	2.11	23	2.3	5.5	100	14.1	6.2	<0.5	47	0.65
851629	Drill Core	2.67	17619	32.6	49.1	234.0	82	7.7	86.8	4.6	337	12.42	86	2.1	2.7	120	1.4	19.5	<0.5	21	1.10
851630	Drill Core	1.94	15359	31.9	40.7	255.0	2052	4.1	95.0	5.8	311	12.32	86	2.8	2.8	95	20.9	18.1	<0.5	30	0.90
851631	Rock Pulp	0.02	941	4.2	2880	11928	21279	26.2	11.3	10.4	767	3.13	12	<0.5	1.0	63	126.8	34.4	0.8	30	0.99
851632	Drill Core	1.52	13623	20.0	34.2	40.7	3249	1.8	64.1	7.3	181	3.36	29	3.1	4.8	86	28.0	7.1	<0.5	50	0.98
851633	Drill Core	2.57	10579	17.0	20.8	8.4	3113	0.6	59.7	8.2	232	2.30	15	3.3	5.5	126	27.3	3.8	<0.5	55	1.47
851634	Drill Core	2.81	15010	14.1	38.7	32.5	1251	1.8	68.3	7.8	95	2.57	31	2.4	5.8	99	12.5	7.3	<0.5	41	0.68
851635	Drill Core	3.07	13121	29.3	45.0	147.0	1035	3.7	91.6	7.1	247	8.37	73	3.3	3.8	124	11.7	15.6	<0.5	40	0.92
851636	Drill Core	1.83	10585	40.9	53.6	312.8	478	5.9	105.6	4.3	357	17.85	131	2.0	1.7	141	6.4	32.3	<0.5	17	1.10
851637	Drill Core	2.46	14047	15.2	13.5	17.5	1998	0.7	49.6	7.5	93	1.69	16	2.9	5.6	95	20.9	5.4	<0.5	45	0.84
851638	Drill Core	2.61	9322	33.3	58.5	152.0	2509	4.1	101.6	8.1	215	7.26	65	3.9	4.2	137	27.6	24.4	<0.5	48	0.91
851639	Drill Core	2.11	10417	25.6	62.3	185.7	999	5.5	95.1	7.3	191	7.07	61	3.3	4.4	159	10.2	24.9	<0.5	39	0.94
851640	Drill Core	3.84	10437	9.3	23.4	9.0	1208	0.7	41.2	7.6	106	1.40	12	2.1	6.2	77	11.1	5.6	<0.5	49	0.76
851641 DUP 851640 RJT	Drill Core		10628	9.0	23.8	9.4	1187	0.7	38.7	8.3	102	1.40	10	2.0	5.9	75	11.6	5.8	<0.5	43	0.75
851642	Drill Core	3.57	9501	12.9	42.0	11.6	1818	1.1	55.4	8.3	195	2.15	16	2.5	6.6	135	17.5	6.6	<0.5	56	1.48
851643	Drill Core	3.87	10991	9.1	37.6	9.0	1408	0.9	41.5	8.7	65	1.15	12	1.9	6.6	91	12.4	6.7	<0.5	42	0.69
851644	Drill Core	2.81	12106	8.2	34.3	8.1	1028	0.6	36.3	7.9	47	0.96	11	1.7	6.2	81	9.3	5.7	<0.5	41	0.55
851645	Drill Core	2.91	11658	12.2	21.8	12.4	1968	0.9	45.3	7.9	76	1.26	13	2.3	5.8	113	18.6	7.2	<0.5	46	0.91
851646	Drill Core	1.70	12374	19.5	68.8	186.1	2161	6.1	81.1	6.7	292	6.49	51	2.5	4.7	226	23.5	26.2	<0.5	47	2.16
851647	Drill Core	2.21	12660	26.1	57.9	402.2	1188	5.5	83.3	5.7	260	10.86	75	1.9	3.3	131	13.6	39.3	<0.5	25	1.20
851648	Drill Core	2.31	13511	32.3	48.8	214.3	36	3.4	86.5	7.1	216	7.92	65	3.5	3.8	104	0.9	36.3	<0.5	45	0.88
851649	Drill Core	2.13	11903	7.3	12.4	16.0	66	<0.5	41.4	5.4	298	2.03	12	1.8	5.4	249	0.9	5.8	<0.5	47	2.54

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Project: AKIE
Report Date: August 23, 2010

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CERTIFICATE OF ANALYSIS VAN10003593.1

	Method	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	7AR.1
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Pb
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		%
	MDL	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0	0.01
851620	Drill Core	0.074	28.0	8.2	0.49	2144	0.006	0.62	<0.01	0.39	<0.5	0.08	3.5	0.9	1.33	<5	7	2.68	
851621	Drill Core	0.067	15.5	7.0	0.23	318	0.006	0.50	<0.01	0.32	<0.5	0.20	2.8	5.7	7.26	<5	12	2.79	
851622	Drill Core	0.096	24.9	9.4	0.25	2080	0.005	0.64	<0.01	0.41	<0.5	0.08	3.2	0.8	1.49	<5	4	2.66	
851623 DUP 851622 PULP	Drill Core	0.092	24.4	9.7	0.24	2091	0.005	0.66	<0.01	0.41	<0.5	0.06	2.8	0.8	1.48	<5	6	2.69	
851624	Drill Core	0.105	23.3	8.9	0.26	2155	0.005	0.62	<0.01	0.40	<0.5	0.05	3.2	0.9	1.67	<5	8	2.67	
851625	Drill Core	0.098	22.4	8.6	0.32	2369	0.005	0.62	<0.01	0.37	<0.5	0.06	3.1	0.7	1.47	<5	6	2.71	
851626	Drill Core	0.101	21.6	7.5	0.28	3227	0.004	0.60	<0.01	0.34	<0.5	0.06	2.8	0.7	1.48	<5	4	2.68	
851627	Drill Core	0.104	23.0	8.6	0.13	3117	0.005	0.71	<0.01	0.34	<0.5	<0.05	2.2	0.8	1.54	<5	6	2.64	
851628	Drill Core	0.099	22.1	8.4	0.11	1392	0.005	0.80	<0.01	0.29	<0.5	0.12	2.0	1.4	2.16	<5	10	2.69	
851629	Drill Core	0.045	9.7	6.6	0.17	211	0.003	0.75	<0.01	0.21	<0.5	0.97	2.2	11.3	13.80	<5	13	3.01	
851630	Drill Core	0.067	10.7	8.8	0.13	229	0.003	0.72	<0.01	0.24	<0.5	1.10	2.2	14.1	13.63	<5	13	2.99	
851631	Rock Pulp	0.080	8.6	21.2	1.38	189	0.105	1.85	0.05	0.22	<0.5	0.17	1.3	<0.5	1.72	<5	<2	I.S.	
851632	Drill Core	0.081	19.9	6.9	0.27	857	0.003	0.63	<0.01	0.28	<0.5	0.21	2.8	2.5	3.51	<5	11	2.71	
851633	Drill Core	0.093	20.8	7.0	0.43	2640	0.004	0.53	<0.01	0.32	<0.5	0.12	3.5	0.9	1.85	<5	7	2.66	
851634	Drill Core	0.077	21.3	7.1	0.15	1220	0.004	0.72	<0.01	0.34	<0.5	0.19	2.7	1.7	2.64	<5	7	2.71	
851635	Drill Core	0.076	14.3	7.4	0.14	340	0.003	0.62	<0.01	0.27	<0.5	0.63	2.0	7.3	9.02	<5	12	2.86	
851636	Drill Core	0.033	6.6	6.8	0.09	211	0.003	0.39	<0.01	0.20	<0.5	1.46	1.7	19.3	20.16	<5	21	3.20	
851637	Drill Core	0.075	23.1	5.2	0.10	2289	0.003	0.62	<0.01	0.30	<0.5	0.17	2.0	1.3	1.67	<5	7	2.70	
851638	Drill Core	0.066	14.3	7.2	0.15	392	0.004	0.51	<0.01	0.32	<0.5	0.55	2.6	5.9	7.87	<5	19	2.84	
851639	Drill Core	0.060	15.2	6.7	0.10	410	0.003	0.51	<0.01	0.31	<0.5	0.44	2.3	7.8	7.62	<5	22	2.80	
851640	Drill Core	0.076	23.6	6.5	0.25	2327	0.004	0.59	<0.01	0.41	<0.5	0.09	3.1	1.0	1.12	<5	9	2.68	
851641 DUP 851640 RJT	Drill Core	0.071	24.0	6.3	0.22	2273	0.004	0.53	<0.01	0.37	<0.5	0.06	3.1	0.9	1.11	<5	7	2.66	
851642	Drill Core	0.077	22.4	8.6	0.39	2011	0.004	0.57	<0.01	0.42	<0.5	0.05	3.8	1.0	1.54	<5	14	2.65	
851643	Drill Core	0.076	23.6	6.4	0.16	2934	0.004	0.55	<0.01	0.35	<0.5	0.05	2.7	0.8	1.03	<5	9	2.62	
851644	Drill Core	0.075	23.6	6.8	0.12	3610	0.004	0.62	<0.01	0.38	<0.5	<0.05	2.7	0.7	0.89	<5	6	2.66	
851645	Drill Core	0.079	22.8	6.4	0.16	3480	0.004	0.56	<0.01	0.33	<0.5	0.10	2.0	0.8	1.20	<5	7	2.61	
851646	Drill Core	0.067	14.9	6.9	0.51	334	0.004	0.54	<0.01	0.29	<0.5	0.31	3.2	5.6	6.63	<5	18	2.82	
851647	Drill Core	0.050	11.8	6.6	0.25	262	0.003	0.59	<0.01	0.23	<0.5	0.67	2.1	11.5	11.79	<5	20	2.93	
851648	Drill Core	0.055	13.3	5.8	0.16	353	0.003	0.64	<0.01	0.28	<0.5	0.52	2.2	7.3	8.46	<5	22	2.81	
851649	Drill Core	0.061	21.7	5.8	0.73	5147	0.003	0.57	<0.01	0.26	<0.5	0.08	3.2	1.2	1.14	<5	7	2.67	

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CERTIFICATE OF ANALYSIS VAN10003593.1

Method		WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
Analyte		Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	5	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
851650	Drill Core	2.70	13174	15.1	22.5	38.3	1871	0.7	59.3	7.1	223	2.53	19	2.6	5.5	143	20.4	12.4	<0.5	57	1.77
851651	Rock Pulp	0.02	962	0.7	14.7	3.5	26	<0.5	1.2	2.6	505	1.40	<5	1.6	5.0	9	<0.5	<0.5	<0.5	11	0.13
851652	Drill Core	2.18	22309	19.2	39.5	97.7	1379	1.8	75.1	7.0	132	3.90	34	2.6	4.3	87	14.4	22.7	<0.5	43	0.61
851653	Drill Core	1.86	15583	15.5	10.1	10.4	1929	<0.5	38.1	6.5	92	1.10	11	4.2	5.7	229	18.8	5.1	<0.5	63	1.01
851654	Drill Core	1.98	16959	46.0	77.0	456.1	605	5.9	118.2	6.1	293	12.62	99	5.0	2.4	81	6.2	63.0	<0.5	34	0.93
851655	Drill Core	2.20	14704	27.5	11.8	25.1	2114	<0.5	49.2	8.6	113	1.35	12	6.5	5.7	333	19.7	9.4	<0.5	63	1.47
851656	Drill Core	3.14	15428	47.6	71.1	473.7	1236	6.3	129.6	7.2	325	12.44	89	5.8	2.7	192	12.2	64.9	<0.5	39	1.17
851657	Drill Core	2.77	14101	36.7	56.2	329.2	1194	4.6	90.6	6.7	257	9.30	76	5.2	3.2	192	10.8	45.5	<0.5	48	1.11
851658	Drill Core	2.59	12951	31.8	79.6	447.3	11227	5.6	77.9	5.5	270	11.50	58	4.4	2.6	237	105.8	55.3	<0.5	39	1.59
851659	Drill Core	1.97	13202	21.9	84.9	444.9	20873	5.0	88.9	6.8	260	9.62	45	3.1	2.9	102	180.3	49.5	<0.5	34	1.58
851660	Drill Core	2.10	20875	7.6	19.0	22.1	203	<0.5	43.0	6.2	51	1.06	10	1.7	5.1	42	1.9	6.7	<0.5	39	0.33
851661	Drill Core	3.44	16826	8.6	20.8	20.2	327	<0.5	53.1	6.6	59	1.13	15	1.7	5.4	62	3.1	8.2	<0.5	43	0.47
851662	Rock Pulp	0.02	946	4.0	2853	11962	20955	27.9	10.5	10.3	751	3.10	12	<0.5	1.0	63	138.3	36.4	0.9	29	0.96
851663	Drill Core	3.13	16782	12.9	24.5	17.9	675	<0.5	53.7	7.5	54	1.20	15	2.6	5.8	80	6.0	8.3	<0.5	48	0.52
851664	Drill Core	3.18	11035	9.6	19.7	13.6	1064	<0.5	49.0	6.1	352	2.04	14	2.6	4.6	494	9.1	7.4	<0.5	57	3.71
851665	Drill Core	3.55	16510	14.3	20.8	14.2	2662	<0.5	58.4	8.4	40	1.39	16	3.3	6.3	73	21.8	9.0	<0.5	66	0.47
851666	Drill Core	3.34	15902	13.7	17.4	14.4	2411	<0.5	48.4	8.0	53	1.22	12	3.0	6.1	120	19.7	8.6	<0.5	62	0.59
851667	Drill Core	3.17	13316	12.1	16.0	9.9	2342	<0.5	42.5	7.0	216	1.24	12	2.7	5.5	202	19.1	7.9	<0.5	63	2.19
851668	Drill Core	3.52	12902	15.2	17.7	14.1	2948	<0.5	47.5	6.7	70	1.49	13	3.4	5.6	92	26.6	9.2	<0.5	70	0.66
851669	Drill Core	1.90	10880	28.8	56.6	175.2	2831	2.9	106.6	6.9	226	6.85	41	4.6	3.9	178	25.5	35.9	<0.5	83	1.36
851670	Drill Core	2.18	7119	47.3	125.7	351.0	1303	7.2	141.1	5.7	341	14.34	118	4.5	2.7	100	12.5	83.9	<0.5	89	0.58
851671	Drill Core	1.67	4877	48.3	145.5	451.7	180	9.0	121.7	3.7	454	18.05	160	3.9	2.0	137	3.2	108.5	<0.5	80	0.95
851672	Drill Core	2.31	6974	46.5	114.0	335.2	471	6.9	118.0	6.5	540	13.07	108	5.2	2.9	168	5.5	80.2	<0.5	90	2.14
851673 DUP 851672 PULP	Drill Core		7058	46.2	113.6	334.4	498	7.0	126.7	6.6	574	13.35	113	5.0	2.6	174	6.1	85.7	<0.5	92	2.20
851674	Drill Core	1.66	11556	49.1	27.4	66.0	2044	1.3	67.4	8.9	94	3.17	21	11.6	6.0	60	22.3	20.1	<0.5	113	0.37
851675	Drill Core	1.80	9619	45.5	100.4	322.0	7468	5.9	146.0	7.3	304	12.65	69	5.4	3.9	82	80.4	73.9	<0.5	83	0.44
851676	Drill Core	1.14	8596	39.1	98.8	311.5	2525	5.7	118.8	6.2	302	12.30	98	5.0	3.6	137	28.3	74.1	<0.5	80	0.72
851677	Drill Core	1.55	12296	13.3	16.2	10.6	2207	<0.5	46.7	7.1	40	1.24	13	2.8	6.2	60	19.4	7.7	<0.5	62	0.40
851678	Drill Core	3.52	13383	11.7	14.6	9.3	1882	<0.5	43.8	6.4	95	1.23	11	2.9	6.4	101	17.4	6.5	<0.5	73	0.83
851679	Drill Core	1.88	13149	17.2	17.2	18.2	1607	0.5	53.9	6.5	68	1.53	13	4.2	5.5	83	13.2	10.4	<0.5	80	0.66

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CERTIFICATE OF ANALYSIS VAN10003593.1

	Method	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**G8SG**	**7AR.1**
	Analyte	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**SG**	**Pb**
	Unit	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**		**%**
	MDL	**0.001**	**0.5**	**0.5**	**0.01**	**5**	**0.001**	**0.01**	**0.01**	**0.01**	**0.5**	**0.05**	**0.5**	**0.5**	**0.05**	**5**	**2**	**0**	**0.01**
851650	Drill Core	0.073	20.4	6.0	0.57	1595	0.003	0.66	<0.01	0.30	<0.5	0.17	3.5	2.0	2.00	<5	12	2.67	
851651	Rock Pulp	0.018	7.4	13.9	0.21	156	0.080	0.61	0.09	0.33	<0.5	<0.05	3.9	<0.5	<0.05	<5	<2	I.S.	
851652	Drill Core	0.057	16.9	6.5	0.14	519	0.003	0.75	<0.01	0.27	<0.5	0.25	2.1	3.7	4.12	<5	18	2.76	
851653	Drill Core	0.064	21.0	6.0	0.16	5925	0.003	0.77	<0.01	0.33	<0.5	0.11	2.1	0.9	0.97	<5	8	2.57	
851654	Drill Core	0.048	8.5	5.5	0.04	192	0.003	0.52	<0.01	0.22	<0.5	0.72	0.8	15.4	14.07	<5	37	2.98	
851655	Drill Core	0.069	21.8	5.9	0.12	3670	0.003	0.60	<0.01	0.30	<0.5	0.19	1.7	1.5	1.31	<5	9	2.56	
851656	Drill Core	0.047	8.3	6.1	0.11	168	0.002	0.57	<0.01	0.22	<0.5	0.67	1.5	17.2	13.82	<5	38	2.95	
851657	Drill Core	0.049	10.6	6.0	0.12	280	0.003	0.63	<0.01	0.26	<0.5	0.52	1.5	10.0	10.15	<5	32	2.89	
851658	Drill Core	0.045	8.6	5.3	0.05	241	0.003	0.58	<0.01	0.23	<0.5	0.65	1.6	34.3	13.25	<5	43	2.97	
851659	Drill Core	0.045	9.3	5.2	0.08	278	0.003	0.67	<0.01	0.26	<0.5	0.68	1.9	40.3	11.46	<5	44	2.92	
851660	Drill Core	0.063	19.3	5.9	0.10	5576	0.003	0.85	<0.01	0.30	<0.5	0.07	1.9	1.2	0.89	<5	6	2.69	
851661	Drill Core	0.063	20.5	5.9	0.12	5234	0.003	0.79	<0.01	0.37	<0.5	0.09	2.0	1.3	1.00	<5	7	2.60	
851662	Rock Pulp	0.086	8.8	22.3	1.36	195	0.102	1.82	0.05	0.23	<0.5	0.15	1.6	<0.5	1.69	5	<2	I.S.	
851663	Drill Core	0.075	20.9	7.6	0.11	4302	0.004	0.76	<0.01	0.35	<0.5	<0.05	2.5	1.0	1.09	<5	12	2.60	
851664	Drill Core	0.060	19.5	5.5	0.53	3716	0.004	0.60	<0.01	0.29	<0.5	0.12	2.4	0.9	1.54	<5	15	2.66	
851665	Drill Core	0.076	22.9	7.6	0.12	3531	0.005	0.83	<0.01	0.37	<0.5	0.08	2.2	1.1	1.58	<5	16	2.61	
851666	Drill Core	0.076	21.8	6.8	0.12	4251	0.005	0.83	<0.01	0.36	<0.5	0.14	2.2	1.0	1.37	<5	16	2.61	
851667	Drill Core	0.073	19.4	6.9	0.15	4109	0.005	0.72	<0.01	0.32	<0.5	0.10	2.3	0.9	1.38	<5	15	2.63	
851668	Drill Core	0.073	19.7	6.7	0.12	3231	0.005	0.69	<0.01	0.35	<0.5	0.17	1.9	1.3	1.71	<5	18	2.64	
851669	Drill Core	0.054	11.5	7.6	0.09	288	0.005	0.60	<0.01	0.28	<0.5	0.43	1.4	11.7	8.17	<5	29	2.80	
851670	Drill Core	0.037	7.8	6.4	0.06	131	0.005	0.50	<0.01	0.24	<0.5	0.67	1.2	13.6	17.21	<5	62	3.00	
851671	Drill Core	0.028	5.9	5.3	0.05	95	0.004	0.34	<0.01	0.19	<0.5	0.81	1.2	15.1	21.93	<5	61	3.15	
851672	Drill Core	0.054	7.5	4.7	0.10	157	0.004	0.47	<0.01	0.23	<0.5	0.65	1.3	12.3	15.59	<5	47	2.95	
851673 DUP 851672 PULP	Drill Core	0.055	7.6	5.5	0.10	153	0.004	0.47	<0.01	0.25	<0.5	0.66	1.8	12.6	15.93	<5	51	2.94	
851674	Drill Core	0.088	18.6	7.8	0.11	945	0.005	0.64	<0.01	0.38	<0.5	0.18	2.4	3.3	3.78	<5	19	2.55	
851675	Drill Core	0.057	10.8	5.0	0.07	131	0.004	0.51	<0.01	0.27	<0.5	0.83	1.7	13.4	15.48	<5	53	2.95	
851676	Drill Core	0.055	10.9	5.5	0.08	135	0.004	0.51	<0.01	0.26	<0.5	0.68	1.9	12.3	14.73	<5	44	2.96	
851677	Drill Core	0.073	21.9	6.5	0.13	4426	0.005	0.71	<0.01	0.37	<0.5	0.16	2.1	1.1	1.46	<5	13	2.60	
851678	Drill Core	0.073	22.2	8.2	0.15	5407	0.005	0.80	<0.01	0.38	<0.5	0.10	2.1	1.1	1.34	<5	13	2.64	
851679	Drill Core	0.068	19.6	6.4	0.11	3220	0.005	0.72	<0.01	0.33	<0.5	0.12	2.0	1.5	1.67	<5	17	2.59	

Client: **Canada Zinc Metals Corp.**
620-650 West Georgia Street
Vancouver BC V6B 4N9 Canada

Project: AKIE
Report Date: August 23, 2010

CERTIFICATE OF ANALYSIS VAN10003593.1

	Method	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	5	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
851680	Drill Core	1.73	8798	38.8	102.2	294.5	983	5.9	121.6	5.5	312	11.52	91	4.7	3.0	193	9.6	69.4	<0.5	90	1.05
851681	Rock Pulp	0.02	962	0.6	13.2	3.1	31	<0.5	2.2	2.4	534	1.59	<5	1.6	5.3	10	<0.5	<0.5	<0.5	16	0.13
851682	Drill Core	1.61	9685	43.8	118.9	351.8	656	7.4	121.7	5.4	379	13.82	114	4.9	2.8	181	6.9	79.0	<0.5	91	1.07
851683	Drill Core	1.84	9657	42.9	46.8	141.1	3719	2.8	95.9	8.2	512	6.15	37	8.4	4.2	304	40.0	33.7	<0.5	104	3.58
851684	Drill Core	1.91	14549	27.3	58.6	190.8	1169	3.2	75.9	5.8	744	7.86	53	4.3	4.1	154	12.2	42.5	<0.5	84	3.01
851685	Drill Core	2.33	12901	9.2	20.5	15.7	78	<0.5	42.6	6.8	126	1.38	12	2.3	6.3	79	0.9	8.4	<0.5	63	0.84
851686	Drill Core	2.23	11483	26.1	73.3	163.6	6124	2.9	110.7	8.3	278	6.81	44	3.6	4.3	215	59.3	38.2	<0.5	77	1.63
851687	Drill Core	2.20	8286	24.4	10.4	9.2	3547	<0.5	43.7	6.6	386	2.02	8	6.3	4.9	939	32.8	6.8	<0.5	89	6.38
851688	Drill Core	1.83	15614	15.2	30.8	51.7	2489	0.9	69.5	6.5	120	2.56	16	3.0	5.2	106	25.0	14.9	<0.5	64	0.84
851689	Drill Core	1.79	13955	19.0	59.3	115.5	2803	2.4	91.6	6.8	268	5.46	38	2.8	4.2	242	28.2	32.3	<0.5	64	1.56
851690	Drill Core	1.80	17914	8.6	17.9	11.6	241	<0.5	39.2	6.4	69	1.16	13	2.2	5.4	73	2.0	6.4	<0.5	55	0.54
851691	Rock Pulp	0.02	929	4.3	2918	12597	21201	26.7	11.7	10.4	852	3.48	13	<0.5	1.0	73	124.7	36.2	1.0	39	1.07
851692	Drill Core	2.32	18560	17.7	34.2	53.1	3192	1.0	67.7	7.6	122	2.46	20	3.2	5.2	116	31.0	16.3	<0.5	74	0.88
851693	Drill Core	1.57	11231	38.6	93.7	235.2	6070	4.1	125.1	8.0	208	8.65	55	5.9	4.4	92	62.1	52.4	<0.5	94	0.54
851694	Drill Core	1.55	15498	10.3	20.9	25.1	697	<0.5	45.3	6.4	93	1.36	14	2.6	5.7	84	6.8	8.3	<0.5	57	0.68
851695	Drill Core	2.15	16324	10.2	14.1	11.0	743	<0.5	39.4	6.8	98	1.32	10	3.0	6.0	97	7.7	5.4	<0.5	63	0.74
851696	Drill Core	1.99	15861	41.2	97.2	265.7	5641	3.5	130.3	8.5	266	9.06	63	6.2	3.6	337	57.8	56.2	<0.5	96	1.45
851697	Drill Core	2.09	17058	19.6	45.4	94.3	617	1.5	89.8	8.2	112	3.63	35	3.1	5.4	59	6.7	26.0	<0.5	67	0.39
851698	Drill Core	1.83	17287	9.5	20.2	13.1	1564	<0.5	53.9	7.6	75	1.27	12	2.6	6.2	61	16.4	7.4	<0.5	59	0.51
851699	Drill Core	1.84	16969	15.5	29.3	64.6	2278	1.0	64.6	6.8	165	2.82	20	3.5	5.2	97	26.3	17.7	<0.5	51	0.89
851700	Drill Core	1.75	14102	42.8	74.6	248.5	1750	4.1	114.0	7.0	269	9.77	71	5.3	3.8	194	20.4	64.1	<0.5	58	1.32
851701 DUP 851700 RJT	Drill Core		14468	42.9	57.1	254.6	1631	4.1	99.3	6.9	299	9.14	72	5.6	4.1	261	19.4	63.6	<0.5	66	1.88
851702	Drill Core	1.91	17092	28.5	58.7	196.5	155	3.9	79.6	6.3	292	7.58	65	3.5	4.1	143	2.5	49.1	<0.5	48	1.18
851703	Drill Core	2.07	16202	29.7	61.9	176.1	81	4.2	93.1	6.8	234	6.97	70	2.8	4.2	124	1.4	48.8	<0.5	48	0.91
851704	Drill Core	2.57	13791	19.2	23.5	28.7	1943	1.0	62.4	7.2	179	1.80	20	3.0	5.3	161	21.2	13.0	<0.5	48	1.49
851705	Drill Core		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
851706	Drill Core		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
851707	Drill Core		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
851708	Drill Core		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
851709	Drill Core		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.

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Client: **Canada Zinc Metals Corp.**
620-650 West Georgia Street
Vancouver BC V6B 4N9 Canada

Project: AKIE
Report Date: August 23, 2010

CERTIFICATE OF ANALYSIS VAN10003593.1

Method		7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	7AR.1
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Pb
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		%
MDL		0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0	0.01
851680	Drill Core	0.043	8.7	6.1	0.08	159	0.005	0.53	<0.01	0.26	<0.5	0.54	1.6	10.1	13.81	<5	54	2.91	
851681	Rock Pulp	0.020	7.7	12.6	0.22	151	0.081	0.60	0.09	0.31	<0.5	<0.05	3.6	<0.5	<0.05	<5	<2	I.S.	
851682	Drill Core	0.048	7.9	6.3	0.09	105	0.004	0.51	<0.01	0.25	<0.5	0.70	1.7	11.5	16.42	<5	53	2.96	
851683	Drill Core	0.086	10.7	5.9	0.16	307	0.005	0.53	<0.01	0.32	<0.5	0.46	2.5	5.6	7.38	<5	25	2.71	
851684	Drill Core	0.065	12.2	6.0	0.10	219	0.005	0.63	<0.01	0.28	<0.5	0.42	1.5	8.5	9.15	<5	30	2.84	
851685	Drill Core	0.065	21.7	6.3	0.30	5569	0.005	0.78	<0.01	0.37	<0.5	0.07	2.8	1.1	1.20	<5	12	2.67	
851686	Drill Core	0.058	12.9	6.9	0.25	251	0.005	0.67	<0.01	0.33	<0.5	0.42	2.0	7.8	7.94	<5	35	2.80	
851687	Drill Core	0.064	17.4	6.0	0.57	2448	0.005	0.55	<0.01	0.31	<0.5	0.12	2.7	0.9	1.55	<5	14	2.59	
851688	Drill Core	0.063	17.5	5.4	0.20	1003	0.005	0.72	<0.01	0.33	<0.5	0.21	2.4	2.2	2.74	<5	20	2.67	
851689	Drill Core	0.063	12.8	6.7	0.20	351	0.005	0.69	<0.01	0.29	<0.5	0.34	2.5	5.2	6.06	<5	30	2.79	
851690	Drill Core	0.060	20.0	6.3	0.15	5282	0.005	0.82	<0.01	0.33	<0.5	0.09	2.2	1.0	1.09	<5	12	2.66	
851691	Rock Pulp	0.088	9.5	22.0	1.43	189	0.112	1.93	0.05	0.23	0.5	0.14	1.6	<0.5	1.93	5	3	I.S.	
851692	Drill Core	0.064	19.2	7.8	0.14	1090	0.006	0.84	<0.01	0.34	<0.5	0.13	2.6	2.8	2.68	<5	23	2.68	
851693	Drill Core	0.057	12.7	5.4	0.09	237	0.005	0.65	<0.01	0.33	<0.5	0.44	2.3	8.9	10.28	<5	66	2.85	
851694	Drill Core	0.066	19.8	7.1	0.19	4792	0.005	0.81	<0.01	0.33	<0.5	0.08	2.4	1.3	1.32	<5	13	2.70	
851695	Drill Core	0.067	20.7	6.6	0.22	4438	0.005	0.79	<0.01	0.34	<0.5	0.10	2.5	0.8	1.24	<5	12	2.66	
851696	Drill Core	0.055	9.8	6.3	0.09	215	0.005	0.62	<0.01	0.30	<0.5	0.45	1.9	10.3	10.64	<5	73	2.86	
851697	Drill Core	0.063	17.2	7.1	0.13	789	0.005	0.87	<0.01	0.34	<0.5	0.16	2.2	4.0	3.93	<5	27	2.73	
851698	Drill Core	0.064	20.3	7.6	0.17	4606	0.005	0.90	<0.01	0.35	<0.5	0.10	2.5	0.9	1.24	<5	14	2.71	
851699	Drill Core	0.060	17.3	5.8	0.21	1547	0.004	0.80	<0.01	0.28	<0.5	0.16	2.7	3.3	3.00	<5	22	2.71	
851700	Drill Core	0.057	11.6	5.4	0.12	222	0.004	0.56	<0.01	0.24	<0.5	0.51	2.0	11.6	11.29	<5	47	2.92	
851701 DUP 851700 RJT	Drill Core	0.058	14.2	6.2	0.15	256	0.004	0.61	<0.01	0.27	<0.5	0.48	2.6	11.9	10.46	<5	52	2.92	
851702	Drill Core	0.057	13.0	5.9	0.26	345	0.003	0.65	<0.01	0.22	<0.5	0.39	2.6	8.6	8.38	<5	28	2.84	
851703	Drill Core	0.054	14.4	6.5	0.19	419	0.004	0.74	<0.01	0.24	<0.5	0.37	2.3	7.8	7.79	<5	28	2.83	
851704	Drill Core	0.073	18.6	4.5	0.15	2801	0.004	0.63	<0.01	0.26	<0.5	0.12	2.1	2.1	1.99	<5	14	2.67	
851705	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
851706	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
851707	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
851708	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
851709	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	

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Project: AKIE
Report Date: August 23, 2010

Page: 14 of 14 Part 1

CERTIFICATE OF ANALYSIS VAN10003593.1

	Method	**WGHT**	**4A**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**
	Analyte	**Wgt**	**Ba**	**Mo**	**Cu**	**Pb**	**Zn**	**Ag**	**Ni**	**Co**	**Mn**	**Fe**	**As**	**U**	**Th**	**Sr**	**Cd**	**Sb**	**Bi**	**V**	**Ca**
	Unit	**kg**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**
	MDL	**0.01**	**5**	**0.5**	**0.5**	**0.5**	**5**	**0.5**	**0.5**	**0.5**	**5**	**0.01**	**5**	**0.5**	**0.5**	**5**	**0.5**	**0.5**	**0.5**	**10**	**0.01**
853001	Drill Core	3.32	13160	26.8	55.0	582.6	8426	2.8	85.3	6.8	252	7.98	43	3.1	3.9	143	50.6	35.1	<0.5	53	1.18
853002	Drill Core	3.11	10107	25.0	51.5	517.3	7491	2.1	80.1	6.5	234	7.50	36	3.1	4.0	202	45.7	35.8	<0.5	45	1.18
853003	Drill Core	2.41	10554	28.6	57.9	565.0	10255	2.2	86.3	6.2	262	8.88	40	4.2	3.1	133	64.7	40.5	<0.5	53	0.89
853004	Drill Core	4.87	7503	22.3	36.7	544.0	6781	2.1	75.1	6.0	270	7.89	42	3.1	2.9	85	45.6	29.4	<0.5	42	0.82

Client: **Canada Zinc Metals Corp.**
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Vancouver BC V6B 4N9 Canada

Project: AKIE
Report Date: August 23, 2010

CERTIFICATE OF ANALYSIS VAN10003593.1

	Method	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**G8SG**	**7AR.1**
	Analyte	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**SG**	**Pb**
	Unit	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**		**%**
	MDL	**0.001**	**0.5**	**0.5**	**0.01**	**5**	**0.001**	**0.01**	**0.01**	**0.01**	**0.5**	**0.05**	**0.5**	**0.5**	**0.05**	**5**	**2**	**0**	**0.01**
853001	Drill Core	0.020	10.0	5.7	0.16	248	0.003	0.50	<0.01	0.22	<0.5	0.34	2.6	15.2	9.64	<5	34	2.84	
853002	Drill Core	0.016	10.1	4.6	0.15	489	0.003	0.42	<0.01	0.20	<0.5	0.29	2.3	13.5	9.13	<5	42	2.86	
853003	Drill Core	0.013	8.4	4.2	0.17	313	0.002	0.43	<0.01	0.21	<0.5	0.40	2.0	17.0	10.81	<5	44	2.86	
853004	Drill Core	0.011	8.8	4.5	0.27	464	0.002	0.42	<0.01	0.19	<0.5	0.35	2.5	13.2	9.46	<5	32	2.82	

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Project: AKIE
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QUALITY CONTROL REPORT VAN10003593.1

	Method	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	5	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
639810	Rock Pulp	0.02	992	1.0	16.2	4.2	30	<0.5	1.8	2.4	557	1.50	<5	1.5	5.9	13	<0.5	<0.5	<0.5	15	0.16
639894	Drill Core	2.43	2003	9.9	22.5	124.1	15	<0.5	37.5	4.9	1099	2.60	11	3.3	2.4	297	<0.5	4.9	<0.5	22	15.95
639908	Drill Core	1.85	1241	24.7	36.4	31.2	1235	<0.5	50.1	5.5	186	1.51	14	7.3	4.2	73	8.4	6.9	<0.5	59	4.22
851519	Drill Core	2.76	5619	32.9	38.6	138.2	9	0.6	90.7	7.5	184	2.06	35	7.9	3.4	329	<0.5	8.5	<0.5	63	2.54
851547	Drill Core	1.83	11346	16.5	35.5	11.9	559	0.6	48.3	6.8	149	1.70	15	4.0	4.9	254	6.9	11.2	<0.5	77	2.61
851597	Drill Core	1.92	15329	10.4	14.0	8.3	248	<0.5	51.3	7.2	70	1.51	15	2.2	6.4	93	3.2	3.9	<0.5	48	0.66
851696	Drill Core	1.99	15861	41.2	97.2	265.7	5641	3.5	130.3	8.5	266	9.06	63	6.2	3.6	337	57.8	56.2	<0.5	96	1.45
Pulp Duplicates																					
639820	Rock Pulp	0.02	1033	1.1	4967	14500	42357	29.4	12.0	12.0	5605	4.75	<5	<0.5	0.6	96	299.8	1.3	2.4	53	4.30
REP 639820	QC			1.1	5014	14691	43161	31.1	11.9	12.2	5801	4.86	<5	<0.5	0.5	108	323.5	1.5	2.5	53	4.37
639823	Drill Core	3.77	10690	25.9	45.6	276.1	2885	3.0	87.2	6.3	342	8.92	65	3.7	4.2	175	27.6	34.5	<0.5	58	1.61
REP 639823	QC		10735																		
639855	Drill Core	4.05	7469	20.5	50.7	88.3	647	2.8	87.4	6.4	646	3.49	46	3.8	4.6	372	10.5	39.8	<0.5	70	3.35
REP 639855	QC		7484																		
639860 DUP 639859 PULP	Drill Core		28426	21.5	55.7	249.7	1303	7.1	111.2	6.3	666	6.69	120	3.0	3.1	210	21.7	50.1	<0.5	93	2.94
639860 DUP 639859 PULP	QC			21.8	57.4	243.8	1318	7.0	100.6	6.2	672	6.71	119	2.7	3.0	200	20.4	50.5	<0.5	91	2.91
639899	Drill Core	2.47	1295	48.2	31.5	157.6	6	0.9	98.9	18.2	166	2.05	28	11.1	3.5	126	<0.5	20.9	<0.5	29	7.39
REP 639899	QC		1293																		
639902	Drill Core	2.36	1130	23.8	39.4	62.4	<5	0.8	71.0	10.7	132	1.74	22	7.3	4.1	52	<0.5	12.2	<0.5	79	3.03
REP 639902	QC			23.0	40.8	60.3	<5	0.6	71.8	10.3	136	1.71	21	7.2	3.8	51	<0.5	11.9	<0.5	75	2.95
REP 639904	QC		1097																		
639937	Drill Core	4.31	25359	25.3	53.6	736.8	10140	2.6	85.6	5.6	266	9.31	40	3.5	3.5	117	59.6	37.7	<0.5	62	0.77
REP 639937	QC			24.3	43.8	726.0	10132	2.5	85.6	6.1	253	9.39	42	3.7	3.3	112	56.7	36.9	<0.5	63	0.77
851507	Drill Core	2.05	10252	42.0	28.6	91.7	2140	<0.5	96.7	6.7	89	2.03	37	11.9	3.2	120	12.4	4.7	<0.5	60	0.78
REP 851507	QC		10247																		
REP 851523	QC			42.8	30.2	28.8	18	<0.5	72.7	7.4	81	2.39	25	12.3	4.5	247	<0.5	12.7	<0.5	62	1.51
851528	Drill Core	3.28	15233	33.9	42.8	40.3	868	0.6	76.8	6.1	102	1.36	21	11.8	3.7	264	8.1	17.8	<0.5	62	0.89
REP 851528	QC			34.6	42.8	40.8	868	0.7	80.9	6.1	98	1.38	22	11.7	3.7	269	7.4	18.6	<0.5	68	0.91
REP 851558	QC		8164																		

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	Method	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**G8SG**	**7AR.1**
	Analyte	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**SG**	**Pb**
	Unit	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**		**%**
	MDL	**0.001**	**0.5**	**0.5**	**0.01**	**5**	**0.001**	**0.01**	**0.01**	**0.01**	**0.5**	**0.05**	**0.5**	**0.5**	**0.05**	**5**	**2**	**0**	**0.01**
639810	Rock Pulp	0.019	8.3	13.7	0.22	154	0.084	0.75	0.16	0.34	<0.5	<0.05	4.5	<0.5	<0.05	<5	<2	I.S.	
639894	Drill Core	0.047	7.5	5.5	0.54	1300	0.003	0.34	<0.01	0.23	<0.5	0.15	2.4	4.2	2.99	<5	3	2.67	
639908	Drill Core	0.079	11.5	7.7	1.01	439	0.005	0.44	<0.01	0.24	<0.5	0.16	1.9	0.6	1.50	<5	5	2.64	
851519	Drill Core	0.042	13.8	4.9	0.06	855	0.005	0.42	<0.01	0.21	<0.5	0.15	1.1	2.8	2.28	<5	6	2.54	
851547	Drill Core	0.056	18.9	7.8	0.50	3218	0.003	0.51	<0.01	0.28	<0.5	0.40	3.6	0.8	1.43	<5	10	2.59	
851597	Drill Core	0.084	25.6	8.8	0.12	2789	0.004	0.75	<0.01	0.34	<0.5	0.06	1.9	0.9	1.43	<5	5	2.65	
851696	Drill Core	0.055	9.8	6.3	0.09	215	0.005	0.62	<0.01	0.30	<0.5	0.45	1.9	10.3	10.64	<5	73	2.86	
Pulp Duplicates																			
639820	Rock Pulp	0.054	3.6	28.9	1.32	166	0.121	1.54	<0.01	1.29	<0.5	0.09	4.3	<0.5	5.04	<5	<2	I.S.	
REP 639820	QC	0.053	3.2	30.6	1.34	170	0.127	1.58	<0.01	1.31	<0.5	0.09	4.0	0.6	5.14	<5	3		
639823	Drill Core	0.039	11.8	6.7	0.34	417	0.004	0.46	<0.01	0.24	<0.5	0.80	2.1	12.1	10.25	<5	20	2.87	
REP 639823	QC																		
639855	Drill Core	0.057	17.2	8.0	0.51	1238	0.005	0.46	<0.01	0.27	<0.5	0.24	2.9	3.9	3.68	<5	38	2.66	
REP 639855	QC																		
639860 DUP 639859 PULP	Drill Core	0.058	12.5	11.2	0.13	402	0.003	1.07	<0.01	0.19	<0.5	0.74	2.5	8.9	7.13	<5	31	2.82	
639860 DUP 639859 PULP	QC	0.052	11.9	10.3	0.14	432	0.003	1.07	<0.01	0.19	<0.5	0.72	2.7	8.7	7.10	<5	28		
639899	Drill Core	0.046	11.5	5.3	0.18	280	0.003	0.43	<0.01	0.31	<0.5	0.18	2.2	2.8	2.40	<5	6	2.64	
REP 639899	QC																		
639902	Drill Core	0.070	13.1	8.7	0.63	262	0.005	0.49	<0.01	0.36	<0.5	0.11	2.1	1.3	1.72	<5	11	2.62	
REP 639902	QC	0.067	12.7	9.7	0.63	250	0.004	0.47	<0.01	0.34	<0.5	0.11	2.2	1.3	1.74	<5	9		
REP 639904	QC																		
639937	Drill Core	0.038	13.4	6.0	0.17	324	0.003	0.82	<0.01	0.16	<0.5	0.78	1.9	17.6	10.78	<5	34	2.86	
REP 639937	QC	0.040	13.2	6.5	0.17	295	0.003	0.83	<0.01	0.17	<0.5	0.69	1.7	18.7	10.94	<5	36		
851507	Drill Core	0.043	14.2	4.2	0.04	2253	0.005	0.43	<0.01	0.19	<0.5	0.20	1.1	2.5	2.43	<5	4	2.53	
REP 851507	QC																		
REP 851523	QC	0.051	19.4	7.2	0.05	2682	0.005	1.93	<0.01	0.15	<0.5	0.17	2.6	1.5	1.62	<5	8		
851528	Drill Core	0.048	15.3	3.2	0.14	4024	0.003	0.56	<0.01	0.13	<0.5	0.25	1.5	0.8	1.51	<5	10	2.61	
REP 851528	QC	0.045	15.4	2.7	0.13	4087	0.003	0.57	<0.01	0.13	<0.5	0.24	1.3	0.8	1.53	<5	9		
REP 851558	QC																		

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		WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
		Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	5	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
851578	Drill Core	2.07	9657	13.2	36.7	11.3	434	<0.5	46.0	8.9	209	1.86	19	3.0	7.3	169	5.4	10.7	<0.5	64	2.03
REP 851578	QC			12.4	38.6	11.4	435	<0.5	47.6	8.7	213	1.85	20	2.9	7.3	163	5.8	11.0	<0.5	66	1.98
851580	Drill Core	1.57	8569	34.7	33.2	47.4	3953	1.6	77.0	8.0	110	2.04	20	6.5	4.5	192	55.3	25.2	<0.5	84	1.25
REP 851580	QC		8560																		
851614	Drill Core	2.43	11122	11.2	14.9	11.9	199	0.6	50.7	7.1	179	2.10	14	2.3	6.3	126	2.1	3.7	<0.5	55	1.28
REP 851614	QC		11015																		
851621	Drill Core	2.48	9573	19.7	57.4	155.8	175	5.6	75.4	7.2	197	6.56	48	2.5	5.2	162	1.9	18.5	<0.5	52	1.13
REP 851621	QC			21.6	60.4	167.0	186	5.9	76.9	7.1	202	6.51	50	2.6	5.1	163	1.3	18.8	<0.5	54	1.12
851640	Drill Core	3.84	10437	9.3	23.4	9.0	1208	0.7	41.2	7.6	106	1.40	12	2.1	6.2	77	11.1	5.6	<0.5	49	0.76
REP 851640	QC		10413																		
851661	Drill Core	3.44	16826	8.6	20.8	20.2	327	<0.5	53.1	6.6	59	1.13	15	1.7	5.4	62	3.1	8.2	<0.5	43	0.47
REP 851661	QC		16685																		
851662	Rock Pulp	0.02	946	4.0	2853	11962	20955	27.9	10.5	10.3	751	3.10	12	<0.5	1.0	63	138.3	36.4	0.9	29	0.96
REP 851662	QC			3.6	2839	11914	20921	26.0	9.0	9.8	743	3.11	13	<0.5	0.8	61	130.4	35.6	0.7	28	0.96
851682	Drill Core	1.61	9685	43.8	118.9	351.8	656	7.4	121.7	5.4	379	13.82	114	4.9	2.8	181	6.9	79.0	<0.5	91	1.07
REP 851682	QC			43.6	119.2	347.5	654	7.1	118.9	5.4	372	13.85	114	4.8	2.8	198	7.2	85.4	<0.5	93	1.08
851693	Drill Core	1.57	11231	38.6	93.7	235.2	6070	4.1	125.1	8.0	208	8.65	55	5.9	4.4	92	62.1	52.4	<0.5	94	0.54
REP 851693	QC		11327																		
853002	Drill Core	3.11	10107	25.0	51.5	517.3	7491	2.1	80.1	6.5	234	7.50	36	3.1	4.0	202	45.7	35.8	<0.5	45	1.18
REP 853002	QC		10023																		
853004	Drill Core	4.87	7503	22.3	36.7	544.0	6781	2.1	75.1	6.0	270	7.89	42	3.1	2.9	85	45.6	29.4	<0.5	42	0.82
REP 853004	QC			23.2	37.2	567.9	6721	2.0	77.7	6.8	277	7.87	41	3.2	2.8	86	47.7	31.3	<0.5	42	0.81
Core Reject Duplicates																					
639834	Drill Core	3.48	6384	23.7	38.4	97.3	1315	2.3	72.8	7.0	140	2.64	34	5.1	5.1	91	14.8	26.4	<0.5	62	1.01
DUP 639834	QC		6336	21.9	42.7	88.9	1585	2.3	74.0	6.8	139	2.61	34	5.2	4.1	96	19.9	25.1	<0.5	74	1.09
639869	Drill Core	2.19	353	11.8	18.7	9.8	12	<0.5	33.8	5.2	325	0.88	7	6.3	1.2	421	<0.5	3.1	<0.5	37	24.50
DUP 639869	QC		355	11.3	18.3	9.1	13	<0.5	33.3	4.9	304	0.83	9	5.5	1.4	399	<0.5	2.9	<0.5	36	23.90
639904	Drill Core	1.96	1093	25.8	43.5	73.6	753	1.0	49.5	8.6	106	1.03	14	8.2	3.8	44	6.0	11.1	<0.5	110	2.16
DUP 639904	QC		1109	25.1	38.8	72.7	802	0.8	52.6	8.3	113	1.06	12	8.1	3.8	45	4.7	10.4	<0.5	92	2.24

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		7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	7AR.1
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Pb
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		%
		0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0	0.01
851578	Drill Core	0.077	28.6	7.3	0.55	1627	0.005	0.63	<0.01	0.42	<0.5	0.14	3.9	0.9	1.04	<5	11	2.65	
REP 851578	QC	0.077	28.0	8.2	0.55	1692	0.005	0.65	<0.01	0.43	<0.5	0.15	3.8	0.8	1.04	<5	11		
851580	Drill Core	0.072	18.4	7.4	0.12	2057	0.004	0.55	<0.01	0.35	<0.5	0.36	2.0	2.6	2.32	<5	29	2.62	
REP 851580	QC																		
851614	Drill Core	0.082	24.6	8.8	0.43	2876	0.004	0.61	<0.01	0.34	<0.5	0.06	3.0	0.9	1.63	<5	5	2.68	
REP 851614	QC																		
851621	Drill Core	0.067	15.5	7.0	0.23	318	0.006	0.50	<0.01	0.32	<0.5	0.20	2.8	5.7	7.26	<5	12	2.79	
REP 851621	QC	0.066	16.8	7.7	0.24	340	0.004	0.51	<0.01	0.32	<0.5	0.22	2.5	6.3	7.30	<5	13		
851640	Drill Core	0.076	23.6	6.5	0.25	2327	0.004	0.59	<0.01	0.41	<0.5	0.09	3.1	1.0	1.12	<5	9	2.68	
REP 851640	QC																		
851661	Drill Core	0.063	20.5	5.9	0.12	5234	0.003	0.79	<0.01	0.37	<0.5	0.09	2.0	1.3	1.00	<5	7	2.60	
REP 851661	QC																		
851662	Rock Pulp	0.086	8.8	22.3	1.36	195	0.102	1.82	0.05	0.23	<0.5	0.15	1.6	<0.5	1.69	5	<2	I.S.	
REP 851662	QC	0.092	8.7	22.3	1.36	194	0.101	1.80	0.05	0.22	<0.5	0.14	1.8	<0.5	1.70	<5	<2		
851682	Drill Core	0.048	7.9	6.3	0.09	105	0.004	0.51	<0.01	0.25	<0.5	0.70	1.7	11.5	16.42	<5	53	2.96	
REP 851682	QC	0.045	8.7	5.3	0.08	107	0.005	0.49	<0.01	0.24	<0.5	0.72	1.4	12.5	16.52	<5	51		
851693	Drill Core	0.057	12.7	5.4	0.09	237	0.005	0.65	<0.01	0.33	<0.5	0.44	2.3	8.9	10.28	<5	66	2.85	
REP 851693	QC																		
853002	Drill Core	0.016	10.1	4.6	0.15	489	0.003	0.42	<0.01	0.20	<0.5	0.29	2.3	13.5	9.13	<5	42	2.86	
REP 853002	QC																		
853004	Drill Core	0.011	8.8	4.5	0.27	464	0.002	0.42	<0.01	0.19	<0.5	0.35	2.5	13.2	9.46	<5	32	2.82	
REP 853004	QC	0.010	9.1	2.9	0.26	536	0.002	0.41	<0.01	0.20	<0.5	0.43	2.7	14.2	9.42	<5	31		
Core Reject Duplicates																			
639834	Drill Core	0.042	16.3	7.7	0.25	1199	0.004	0.51	<0.01	0.32	<0.5	0.36	2.2	3.2	2.82	<5	18	2.66	
DUP 639834	QC	0.046	17.1	8.7	0.24	1286	0.005	0.52	<0.01	0.37	<0.5	0.32	2.1	3.0	2.69	<5	19	2.60	
639869	Drill Core	0.099	13.5	4.6	0.19	137	0.002	0.19	<0.01	0.13	<0.5	<0.05	2.0	<0.5	0.80	<5	5	2.63	
DUP 639869	QC	0.089	11.9	5.1	0.18	140	0.002	0.19	<0.01	0.13	<0.5	<0.05	1.5	<0.5	0.78	<5	4	2.59	
639904	Drill Core	0.052	13.3	9.2	0.69	192	0.005	0.48	<0.01	0.33	<0.5	0.15	1.8	1.4	0.92	<5	22	2.58	
DUP 639904	QC	0.043	11.8	7.8	0.69	171	0.004	0.45	<0.01	0.27	<0.5	0.21	1.7	1.0	1.00	<5	19	2.61	

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Project: AKIE
Report Date: August 23, 2010

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QUALITY CONTROL REPORT VAN10003593.1

		WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
		Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	5	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
639939	Drill Core	2.52	14968	15.0	21.3	96.4	3521	0.6	63.7	7.4	88	2.29	16	2.7	5.4	159	18.1	9.0	<0.5	49	0.75
DUP 639939	QC		15477	14.0	23.5	116.2	3346	0.7	64.8	7.0	91	2.29	15	2.7	6.3	154	19.5	8.9	<0.5	52	0.68
851523	Drill Core	2.76	58803	44.0	31.8	30.0	19	0.6	75.6	8.1	80	2.42	25	13.5	4.1	226	<0.5	12.4	<0.5	62	1.51
DUP 851523	QC		58221	45.9	31.4	29.5	17	0.6	69.8	8.1	88	2.35	24	12.3	4.1	300	<0.5	12.7	<0.5	59	1.94
851558	Drill Core	2.05	8230	13.3	39.6	41.7	578	0.7	70.6	7.5	201	2.95	21	2.7	5.7	182	5.4	17.1	<0.5	68	1.48
DUP 851558	QC		8293	12.9	36.9	41.4	577	0.7	72.8	7.2	197	2.93	22	2.7	5.4	174	4.8	16.3	<0.5	63	1.44
851593	Drill Core	2.28	9748	18.8	20.8	7.5	1767	0.7	61.2	7.6	204	1.95	15	3.8	5.7	177	23.5	6.1	<0.5	64	1.48
DUP 851593	QC		9917	18.1	19.3	7.4	1759	0.7	57.9	8.1	195	1.97	16	3.7	6.1	170	27.6	6.4	<0.5	67	1.42
851628	Drill Core	1.72	17941	13.4	27.9	23.8	1746	2.1	63.0	6.8	95	2.11	23	2.3	5.5	100	14.1	6.2	<0.5	47	0.65
DUP 851628	QC		18048	14.2	29.1	26.6	1842	2.1	63.2	7.4	91	2.24	20	2.6	5.4	95	12.8	6.5	<0.5	50	0.64
851663	Drill Core	3.13	16782	12.9	24.5	17.9	675	<0.5	53.7	7.5	54	1.20	15	2.6	5.8	80	6.0	8.3	<0.5	48	0.52
DUP 851663	QC		16949	12.3	22.7	16.8	658	0.5	51.3	7.8	56	1.19	14	2.7	5.9	79	6.4	8.5	<0.5	47	0.53
851698	Drill Core	1.83	17287	9.5	20.2	13.1	1564	<0.5	53.9	7.6	75	1.27	12	2.6	6.2	61	16.4	7.4	<0.5	59	0.51
DUP 851698	QC		17401	10.7	19.9	12.7	1638	<0.5	50.7	7.5	73	1.25	14	2.6	6.0	67	15.8	7.8	<0.5	63	0.52
Reference Materials																					
STD CCU-1C	Standard																				
STD CZN-3	Standard																				
STD GBM997-6	Standard																				
STD PTC-1A	Standard																				
STD SF-3A	Standard			315.3	7799	8856	10923	55.4	3488	183.6	4085	7.77	48	3.6	3.0	57	51.9	10.1	5.0	102	2.57
STD SF-3A	Standard			308.0	7667	8745	10845	54.6	3445	182.8	4159	7.62	48	3.6	2.9	55	51.8	10.0	4.9	103	2.56
STD SF-3A	Standard			316.4	7939	9179	10955	54.9	3521	189.6	4172	7.92	50	3.5	2.8	55	54.7	10.2	4.9	112	2.67
STD SF-3A	Standard			314.3	7839	9076	10970	55.1	3511	187.9	4180	7.86	48	3.6	3.4	57	51.9	9.8	5.1	111	2.66
STD SF-3A	Standard			297.1	7671	8473	10735	53.7	3391	181.3	4157	7.72	46	3.1	2.8	54	51.2	9.8	4.9	96	2.55
STD SF-3A	Standard			299.2	7764	8641	10807	54.4	3443	182.0	4164	7.82	45	3.2	2.8	54	52.6	9.9	4.8	97	2.57
STD SF-3A	Standard			322.9	7671	8736	10549	55.3	3413	178.9	4125	7.79	46	3.7	2.8	58	49.3	10.3	5.0	113	2.56
STD SF-3A	Standard			309.9	7720	8492	10442	55.6	3393	183.3	4104	7.72	42	3.0	2.9	53	49.2	10.1	5.0	111	2.55
STD SF-3A	Standard			318.9	7824	8841	10686	54.9	3454	187.0	4193	7.92	46	3.6	3.3	67	53.3	10.4	5.1	113	2.64
STD SF-3A	Standard			323.0	7669	8748	10549	54.3	3422	184.2	4114	7.88	44	3.3	3.5	72	49.4	10.4	5.1	111	2.59

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Project: AKIE
Report Date: August 23, 2010

QUALITY CONTROL REPORT VAN10003593.1

		7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	7AR.1
		P	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**SG**	**Pb**
		%	**ppm**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**		**%**
		0.001	**0.5**	**0.5**	**0.01**	**5**	**0.001**	**0.01**	**0.01**	**0.01**	**0.5**	**0.05**	**0.5**	**0.5**	**0.05**	**5**	**2**	**0**	**0.01**
639939	Drill Core	0.042	21.9	6.0	0.11	1817	0.004	0.53	<0.01	0.21	<0.5	0.23	1.7	2.7	2.71	<5	11	2.66	
DUP 639939	QC	0.049	24.5	4.0	0.11	1844	0.005	0.51	<0.01	0.24	<0.5	0.16	1.6	2.4	2.79	<5	13	2.68	
851523	Drill Core	0.049	19.5	6.4	0.05	2857	0.004	1.91	<0.01	0.16	<0.5	0.20	2.4	1.5	1.65	<5	5	2.68	
DUP 851523	QC	0.052	20.0	7.0	0.06	2918	0.004	1.89	<0.01	0.15	<0.5	0.18	2.9	1.5	1.63	<5	7	2.65	
851558	Drill Core	0.061	21.1	8.4	0.42	1301	0.005	0.60	<0.01	0.37	<0.5	0.30	2.9	2.2	2.59	<5	8	2.71	
DUP 851558	QC	0.054	19.9	7.1	0.39	1250	0.005	0.56	<0.01	0.36	<0.5	0.37	3.2	2.3	2.65	<5	8	2.70	
851593	Drill Core	0.091	24.6	9.1	0.34	2668	0.005	0.58	<0.01	0.36	<0.5	0.12	3.0	0.9	1.64	<5	13	2.63	
DUP 851593	QC	0.086	23.8	8.9	0.33	2731	0.005	0.60	<0.01	0.38	<0.5	0.07	3.0	0.8	1.65	<5	16	2.63	
851628	Drill Core	0.099	22.1	8.4	0.11	1392	0.005	0.80	<0.01	0.29	<0.5	0.12	2.0	1.4	2.16	<5	10	2.69	
DUP 851628	QC	0.102	21.1	8.7	0.11	1282	0.004	0.82	<0.01	0.29	<0.5	0.15	1.7	1.6	2.33	<5	8	2.70	
851663	Drill Core	0.075	20.9	7.6	0.11	4302	0.004	0.76	<0.01	0.35	<0.5	<0.05	2.5	1.0	1.09	<5	12	2.60	
DUP 851663	QC	0.075	19.7	7.7	0.12	4434	0.003	0.76	<0.01	0.35	<0.5	0.06	2.2	1.1	1.08	<5	10	2.64	
851698	Drill Core	0.064	20.3	7.6	0.17	4606	0.005	0.90	<0.01	0.35	<0.5	0.10	2.5	0.9	1.24	<5	14	2.71	
DUP 851698	QC	0.067	20.4	7.9	0.18	4820	0.006	0.95	<0.01	0.38	<0.5	0.09	2.8	1.0	1.22	<5	13	2.67	
Reference Materials																			
STD CCU-1C	Standard																		0.36
STD CZN-3	Standard																		0.11
STD GBM997-6	Standard																		25.07
STD PTC-1A	Standard																		0.06
STD SF-3A	Standard	0.057	8.7	174.2	4.33	274	0.116	1.04	0.51	1.04	3.4	0.60	3.1	2.9	5.01	5	10		
STD SF-3A	Standard	0.055	8.8	173.3	4.30	271	0.116	1.04	0.51	1.04	3.6	0.60	3.2	2.7	5.43	<5	9		
STD SF-3A	Standard	0.058	8.9	173.0	4.37	280	0.120	1.05	0.51	1.12	3.4	0.59	3.3	2.6	5.13	<5	8		
STD SF-3A	Standard	0.058	9.1	173.9	4.35	280	0.121	1.05	0.52	1.07	3.3	0.67	3.0	2.6	5.04	<5	10		
STD SF-3A	Standard	0.056	8.3	170.0	4.24	278	0.113	0.99	0.51	1.08	2.9	0.64	3.0	2.8	4.91	<5	6		
STD SF-3A	Standard	0.058	8.4	174.8	4.26	281	0.112	1.00	0.50	1.14	3.4	0.71	3.1	2.7	4.96	<5	5		
STD SF-3A	Standard	0.056	8.9	170.1	4.27	274	0.112	1.01	0.50	0.96	3.0	0.66	2.5	2.8	5.09	<5	8		
STD SF-3A	Standard	0.055	8.8	170.4	4.21	262	0.113	1.01	0.50	1.02	3.2	0.64	3.0	2.8	5.17	<5	8		
STD SF-3A	Standard	0.057	10.1	173.9	4.33	283	0.117	1.04	0.51	1.09	2.5	0.58	3.0	2.6	5.34	<5	9		
STD SF-3A	Standard	0.057	10.8	196.8	4.24	279	0.115	1.03	0.51	1.11	3.2	0.54	3.1	2.6	5.19	<5	8		

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Project: AKIE
Report Date: August 23, 2010

QUALITY CONTROL REPORT VAN10003593.1

		WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
		Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	5	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
STD SF-3A	Standard			319.0	7650	8865	10554	53.1	3416	183.7	4170	7.84	49	3.6	2.9	66	57.5	11.2	5.1	110	2.62
STD SF-3A	Standard			317.8	7633	8936	10556	52.7	3404	182.0	4156	7.86	47	3.4	2.9	64	55.8	10.0	4.9	111	2.62
STD SF-3A	Standard			313.4	7624	8544	10435	52.4	3381	182.3	4112	7.74	42	3.3	3.1	54	50.4	9.9	5.1	110	2.60
STD SF-3A	Standard			314.4	7746	8713	10478	53.5	3439	177.2	4125	7.80	50	3.6	2.9	60	52.2	9.8	5.0	110	2.59
STD SF-3A	Standard			303.0	7752	8638	10532	54.6	3450	179.6	4124	7.78	46	3.4	2.8	57	49.6	10.2	5.0	110	2.59
STD SF-3A	Standard			302.5	7638	8510	10408	52.3	3412	180.7	4083	7.75	46	3.2	2.8	55	46.2	9.6	4.6	109	2.57
STD SF-3A	Standard			312.3	7635	8630	10469	53.6	3391	183.0	4099	7.82	43	3.4	3.4	58	48.8	10.0	4.9	111	2.59
STD SF-3A	Standard			307.0	7563	8394	10425	53.1	3377	179.8	4064	7.72	42	3.3	2.9	54	46.1	9.9	5.4	108	2.56
STD SF-3A	Standard			291.4	7632	8581	10911	53.4	3432	180.9	4150	7.72	42	3.5	2.9	62	48.5	10.1	5.4	103	2.52
STD SF-3A	Standard			282.4	7643	8620	10916	52.4	3428	181.3	4134	7.75	44	3.4	3.1	61	49.9	10.0	5.0	103	2.58
STD SF-3A	Standard			309.9	7795	8940	10907	54.1	3479	183.5	4210	7.88	48	3.6	3.2	62	51.7	10.4	5.0	112	2.65
STD SF-3A	Standard			309.8	7882	8972	11054	54.5	3478	183.7	4256	7.93	46	3.2	3.3	66	53.8	10.3	5.7	111	2.66
STD SO-18	Standard		531																		
STD SO-18	Standard		520																		
STD SO-18	Standard		531																		
STD SO-18	Standard		529																		
STD SO-18	Standard		521																		
STD SO-18	Standard		515																		
STD SO-18	Standard		523																		
STD SO-18	Standard		524																		
STD SO-18	Standard		514																		
STD SO-18	Standard		523																		
STD SO-18	Standard		528																		
STD SO-18	Standard		527																		
STD SO-18	Standard		525																		
STD SO-18	Standard		519																		
STD SO-18	Standard		512																		
STD SO-18	Standard		521																		
STD SO-18	Standard		525																		

QUALITY CONTROL REPORT VAN10003593.1

		7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	7AR.1
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Pb
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		%
		0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0	0.01
STD SF-3A	Standard	0.055	9.3	170.6	4.23	281	0.114	1.03	0.51	1.01	3.3	0.51	3.0	2.7	5.12	<5	7		
STD SF-3A	Standard	0.055	9.1	168.9	4.23	285	0.111	1.03	0.51	1.04	3.0	0.57	3.9	2.8	5.15	<5	10		
STD SF-3A	Standard	0.054	8.8	171.3	4.23	266	0.112	1.03	0.50	1.02	3.2	0.54	2.9	2.7	5.10	<5	6		
STD SF-3A	Standard	0.064	8.6	169.5	4.20	267	0.113	1.03	0.51	1.06	3.4	0.60	3.2	2.6	5.30	<5	9		
STD SF-3A	Standard	0.059	8.7	169.1	4.22	275	0.113	1.01	0.50	1.05	3.3	0.65	3.0	2.8	5.25	<5	10		
STD SF-3A	Standard	0.056	8.9	167.1	4.22	270	0.112	1.00	0.50	1.04	2.2	0.52	3.2	2.4	5.19	<5	10		
STD SF-3A	Standard	0.054	9.0	169.1	4.24	264	0.114	1.01	0.50	1.00	3.3	0.51	3.1	2.7	5.12	<5	7		
STD SF-3A	Standard	0.057	8.6	172.7	4.22	263	0.113	1.00	0.50	1.03	3.2	0.52	3.1	2.7	5.03	<5	7		
STD SF-3A	Standard	0.056	8.9	163.5	4.29	270	0.115	1.01	0.51	1.04	3.1	0.52	2.9	2.6	5.11	<5	7		
STD SF-3A	Standard	0.058	8.8	172.2	4.28	273	0.116	1.01	0.50	1.05	3.5	0.53	3.1	2.7	5.09	<5	11		
STD SF-3A	Standard	0.055	8.9	172.7	4.36	280	0.117	1.04	0.52	1.06	3.5	0.60	3.5	2.8	5.21	<5	6		
STD SF-3A	Standard	0.059	9.0	176.6	4.38	283	0.116	1.05	0.53	1.08	2.9	0.59	3.2	2.7	5.33	5	8		
STD SO-18	Standard																		
STD SO-18	Standard																		
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		WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
		Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	5	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
STD SO-18	Standard		526																		
STD SO-18	Standard		529																		
STD SO-18	Standard		514																		
STD SO-18	Standard		505																		
STD SO-18	Standard		506																		
STD SO-18	Standard		514																		
STD SO-18	Standard		527																		
STD SO-18	Standard		519																		
STD SO-18	Standard		513																		
STD SO-18	Standard		510																		
STD SO-18	Standard		512																		
STD SF-3A Expected				308	7705	9625	10628	54	3365	183	4247	7.91	46	3.3	2.8	50	45	10	4.6	102	2.59
STD SO-18 Expected			515																		
STD CZN-3 Expected																					
STD PTC-1A Expected																					
STD CCU-1C Expected																					
STD GBM997-6 Expected																					
BLK	Blank			<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank		<5																		
BLK	Blank		<5																		
BLK	Blank			<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank			<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank			<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank			<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank		<5																		
BLK	Blank		<5																		
BLK	Blank		<5																		
BLK	Blank		<5																		
BLK	Blank		<5																		

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Vancouver BC V6B 4N9 Canada

Project: AKIE
Report Date: August 23, 2010

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QUALITY CONTROL REPORT VAN10003593.1

		7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	7AR.1
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Pb
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		%
		0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0	0.01
STD SO-18	Standard																		
STD SO-18	Standard																		
STD SO-18	Standard																		
STD SO-18	Standard																		
STD SO-18	Standard																		
STD SO-18	Standard																		
STD SO-18	Standard																		
STD SO-18	Standard																		
STD SO-18	Standard																		
STD SO-18	Standard																		
STD SO-18	Standard																		
STD SF-3A Expected		0.054	8.3	167	4.27	260	0.117	1	0.47	0.99	3.2	0.6	3	2.7	4.2	4	10		
STD SO-18 Expected																			
STD CZN-3 Expected																			0.113
STD PTC-1A Expected																			0.05
STD CCU-1C Expected																			0.34
STD GBM997-6 Expected																			24.9095
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2		
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2		
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2		
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2		
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		

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Project: AKIE
Report Date: August 23, 2010

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QUALITY CONTROL REPORT VAN10003593.1

		WGHT	**4A**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**
		Wgt	**Ba**	**Mo**	**Cu**	**Pb**	**Zn**	**Ag**	**Ni**	**Co**	**Mn**	**Fe**	**As**	**U**	**Th**	**Sr**	**Cd**	**Sb**	**Bi**	**V**	**Ca**
		kg	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**
		0.01	**5**	**0.5**	**0.5**	**0.5**	**5**	**0.5**	**0.5**	**0.5**	**5**	**0.01**	**5**	**0.5**	**0.5**	**5**	**0.5**	**0.5**	**0.5**	**10**	**0.01**
BLK	Blank		<5																		
BLK	Blank			<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank			<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank			<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank			<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank		<5																		
BLK	Blank		<5																		
BLK	Blank		<5																		
BLK	Blank			<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank		<5																		
BLK	Blank			<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank		<5																		
BLK	Blank		<5																		
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	<0.01	1051	<0.5	2.1	4.8	58	<0.5	3.7	4.3	635	2.05	<5	2.2	6.5	74	<0.5	<0.5	<0.5	38	0.57
G1	Prep Blank	<0.01	1024	<0.5	2.4	4.1	53	<0.5	4.3	4.7	694	2.10	<5	2.1	5.9	75	<0.5	<0.5	<0.5	39	0.58

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Project: AKIE
Report Date: August 23, 2010

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QUALITY CONTROL REPORT VAN10003593.1

		7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	7AR.1
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Pb
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		%
		0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0	0.01
BLK	Blank																		
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2		
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2		
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2		
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2		
BLK	Blank																		
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		<0.01
Prep Wash																			
G1	Prep Blank	0.091	11.5	8.2	0.57	229	0.152	1.32	0.21	0.54	<0.5	0.07	3.3	<0.5	<0.05	6	<2	2.61	
G1	Prep Blank	0.088	11.0	10.6	0.59	232	0.157	1.32	0.20	0.56	<0.5	0.05	3.2	<0.5	<0.05	5	<2	2.66	

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Client:	**Canada Zinc Metals Corp.** 620-650 West Georgia Street Vancouver BC V6B 4N9 Canada
Submitted By:	Nick Johnson
Receiving Lab:	Canada-Vancouver
Received:	August 18, 2010
Report Date:	October 21, 2010
Page:	1 of 7

CERTIFICATE OF ANALYSIS VAN10003986.2

CLIENT JOB INFORMATION

Project:	AKIE
Shipment ID:	
P.O. Number	
Number of Samples:	169

SAMPLE DISPOSAL

RTRN-PLP	Return
RTRN-RJT	Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	152	Crush split and pulverize 250g drill core to 200 mesh			VAN
4A01	169	LiBO2/Li2B4O7 fusion ICP-ES analysis	0.1	Completed	VAN
7AX1	169	1:1:1 Aqua Regia digestion ICP-ES/ICP-MS analysis	1	Completed	VAN
G812	156	Specific Gravity on Pulp		Completed	VAN
7AR.1	1	1:1:1 Aqua Regia Digestion ICP-ES Finish	0.1	Completed	VAN
G606	4	Fire Assay fusion Au, Pt, Pd by ICP-ES	30	Completed	VAN
1F05	4	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Version 2: G606 & 1F05 for Sample IDs 856375 to 856378 included

Invoice To:
Canada Zinc Metals Corp.
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Vancouver BC V6B 4N9
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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620-650 West Georgia Street
Vancouver BC V6B 4N9 Canada

Project: AKIE
Report Date: October 21, 2010

CERTIFICATE OF ANALYSIS VAN10003986.2

	Method	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	10	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
851705	Drill Core	2.82	15138	12.6	26.2	17.7	800	0.9	65.3	7.8	241	1.66	19	1.9	5.1	218	10.0	11.1	<0.5	40	2.22
851706	Drill Core	1.82	11639	31.0	36.6	48.9	4893	1.9	92.5	8.6	171	2.67	29	5.7	4.1	136	62.3	21.5	<0.5	63	1.14
851707	Drill Core	1.45	13732	29.4	42.3	69.5	578	2.4	81.1	7.0	108	3.33	40	4.8	3.9	99	7.3	25.1	<0.5	51	0.70
851708	Drill Core	2.28	14593	32.0	55.5	124.7	334	3.6	95.8	7.0	147	5.23	52	4.6	3.8	79	4.1	36.7	<0.5	51	0.69
851709	Drill Core	2.64	8909	6.5	13.6	26.1	153	0.9	25.5	2.7	156	1.39	13	1.1	1.8	228	1.7	7.3	<0.5	24	1.78
851710	Drill Core	1.85	3918	2.4	5.4	12.5	21	<0.5	9.6	1.1	150	0.87	<5	<0.5	0.7	262	<0.5	2.0	<0.5	12	2.04
851711	Rock Pulp	0.02	1013	0.8	14.4	3.1	27	<0.5	1.6	2.8	494	1.48	<5	1.6	4.8	9	<0.5	<0.5	<0.5	13	0.11
851712	Drill Core	1.52	8681	28.6	60.3	201.3	1069	7.0	91.1	7.0	107	5.58	59	3.7	4.6	85	17.4	25.0	<0.5	66	0.53
851713	Drill Core	2.70	7807	31.5	56.7	78.6	4982	5.5	111.4	8.3	57	3.76	55	6.1	4.5	83	68.9	18.6	<0.5	119	0.81
851714	Drill Core	2.14	2585	3.0	8.0	6.1	558	0.5	15.1	1.6	126	0.84	7	0.6	0.7	173	7.2	1.9	<0.5	23	1.42
851715	Drill Core	2.16	9184	24.3	49.1	237.7	350	4.4	89.5	7.9	166	5.58	54	2.5	4.6	102	5.3	25.7	<0.5	38	0.78
851716	Drill Core	1.72	9503	19.2	37.4	125.9	682	2.2	71.1	7.2	157	3.47	34	3.1	5.4	95	10.4	16.3	<0.5	47	0.84
851717	Drill Core	1.67	8844	21.0	40.3	122.2	723	2.3	75.5	7.1	151	3.51	37	2.5	4.9	89	11.4	16.6	<0.5	45	0.80
851718	Drill Core	1.83	6734	30.1	56.2	182.8	902	3.5	91.3	8.9	401	5.99	52	3.3	9.3	177	13.2	23.1	<0.5	63	2.22
851719	Drill Core	1.51	7844	37.0	39.1	81.7	3108	2.0	98.8	9.6	316	3.44	30	5.6	12.2	174	47.6	15.2	<0.5	69	2.06
851720	Drill Core	1.78	7525	26.5	45.0	172.9	1232	3.0	82.8	6.7	198	4.45	43	3.4	4.7	141	18.8	21.3	<0.5	44	1.16
851721	Rock Pulp	0.02	980	3.9	2924	12107	21140	23.7	10.3	10.8	821	3.27	12	<0.5	0.9	57	129.5	33.7	0.7	31	0.95
851722	Drill Core	1.34	9323	34.6	42.2	151.1	2184	2.7	94.8	7.1	210	4.11	45	5.8	4.6	135	33.8	21.1	<0.5	57	1.87
851723	Drill Core	1.44	7644	25.5	45.4	177.7	133	3.4	88.1	7.0	183	5.08	49	2.7	5.2	87	1.8	25.4	<0.5	42	0.76
851724	Drill Core	1.68	6884	25.8	44.5	143.9	24	3.3	81.7	6.5	238	4.51	46	3.1	4.9	147	0.6	23.5	<0.5	55	1.62
851725	Drill Core	1.51	6006	20.8	41.6	90.6	975	2.4	72.8	6.5	570	2.97	34	2.7	4.1	331	13.6	16.3	<0.5	40	4.06
851726	Drill Core	1.52	7821	27.7	18.7	15.4	4592	1.0	65.4	9.0	49	1.17	14	5.2	5.3	67	65.6	6.6	<0.5	61	0.48
851727	Drill Core	1.74	6962	26.1	56.7	140.1	124	3.4	90.8	7.2	203	4.11	46	3.1	5.0	108	1.8	23.4	<0.5	51	1.32
851728	Drill Core	1.29	6134	25.7	55.4	186.9	17	3.8	88.3	7.0	174	4.63	52	2.5	4.5	160	<0.5	33.5	<0.5	40	1.24
851729	Drill Core	1.78	6011	28.2	55.4	186.9	13	4.2	89.0	7.0	194	5.31	56	2.9	4.6	88	<0.5	36.3	<0.5	47	0.93
851730	Drill Core	1.91	6359	24.9	43.8	104.3	488	2.7	85.4	6.6	335	4.10	50	3.4	3.5	460	7.0	27.4	<0.5	50	4.57
851731 DUP 851730 PLP	Drill Core	<0.01	6404	25.2	43.8	101.9	497	2.9	80.0	6.2	328	4.06	52	3.2	3.3	463	6.3	26.3	<0.5	49	4.46
851732	Drill Core	2.75	5664	22.0	33.8	39.6	3895	1.4	64.4	7.4	91	1.76	21	4.0	4.9	86	45.8	14.7	<0.5	47	0.86
851733	Drill Core	1.31	5149	16.0	40.9	24.8	1678	0.9	62.5	6.8	369	2.55	15	3.1	5.6	225	18.6	11.5	<0.5	48	3.47
851734	Drill Core	1.67	4673	19.9	42.8	24.5	388	0.8	79.1	8.4	118	1.52	19	4.2	6.5	110	4.3	12.8	<0.5	54	1.21

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Project: AKIE
Report Date: October 21, 2010

Page: 2 of 7 Part 2

CERTIFICATE OF ANALYSIS VAN10003986.2

	Method	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	7AR.1	G6	G6
	Analyte	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**SG**	**Pb**	**Au**	**Pt**
	Unit	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**		**%**	**gm/t**	**gm/t**
	MDL	**0.001**	**0.5**	**0.5**	**0.01**	**5**	**0.001**	**0.01**	**0.01**	**0.01**	**0.5**	**0.05**	**0.5**	**0.5**	**0.05**	**5**	**2**	**0**	**0.01**	**0.01**	**0.01**
851705	Drill Core	0.067	19.2	6.6	0.20	3073	0.003	0.57	<0.01	0.25	<0.5	0.08	1.5	1.0	1.55	<5	16	2.67		N.A.	N.A.
851706	Drill Core	0.069	16.0	6.8	0.21	968	0.003	0.57	<0.01	0.25	<0.5	0.23	2.0	2.5	2.87	<5	26	2.66		N.A.	N.A.
851707	Drill Core	0.063	12.8	6.2	0.09	692	0.003	0.55	<0.01	0.22	<0.5	0.22	1.2	3.0	3.71	<5	22	2.71		N.A.	N.A.
851708	Drill Core	0.063	13.4	7.2	0.11	450	0.003	0.64	<0.01	0.24	<0.5	0.27	1.3	5.1	5.84	<5	29	2.76		N.A.	N.A.
851709	Drill Core	0.028	7.1	8.4	0.19	4814	0.002	0.36	<0.01	0.14	<0.5	0.07	0.7	1.0	1.11	<5	7	2.69		N.A.	N.A.
851710	Drill Core	0.016	2.5	17.1	0.18	2605	0.001	0.11	<0.01	0.07	<0.5	<0.05	<0.5	<0.5	0.42	<5	3	2.63		N.A.	N.A.
851711	Rock Pulp	0.016	7.0	13.5	0.20	137	0.078	0.61	0.09	0.31	<0.5	<0.05	2.9	<0.5	<0.05	<5	<2	I.S.		N.A.	N.A.
851712	Drill Core	0.110	16.0	10.4	0.04	358	0.004	0.45	<0.01	0.28	<0.5	0.19	1.0	5.7	6.45	<5	30	2.75		N.A.	N.A.
851713	Drill Core	0.206	17.1	14.9	0.04	778	0.004	0.48	<0.01	0.28	<0.5	0.18	1.4	2.1	4.57	<5	32	2.61		N.A.	N.A.
851714	Drill Core	0.034	3.4	16.4	0.11	1062	0.001	0.13	<0.01	0.08	<0.5	0.05	<0.5	<0.5	0.52	<5	4	2.60		N.A.	N.A.
851715	Drill Core	0.063	13.5	8.1	0.09	358	0.003	0.44	<0.01	0.27	<0.5	0.21	1.6	6.7	6.16	<5	23	2.78		N.A.	N.A.
851716	Drill Core	0.071	15.5	6.7	0.18	834	0.004	0.47	<0.01	0.30	<0.5	0.14	1.7	4.0	3.82	<5	16	2.71		N.A.	N.A.
851717	Drill Core	0.072	17.6	7.1	0.17	997	0.003	0.44	<0.01	0.27	<0.5	0.14	1.7	3.8	3.97	<5	17	2.75		N.A.	N.A.
851718	Drill Core	0.116	28.3	10.5	0.56	466	0.005	0.47	<0.01	0.29	<0.5	0.20	3.0	5.4	6.11	<5	22	2.80		N.A.	N.A.
851719	Drill Core	0.122	34.7	8.5	0.42	1315	0.004	0.46	<0.01	0.30	<0.5	0.15	3.5	3.2	3.39	<5	23	2.67		N.A.	N.A.
851720	Drill Core	0.063	14.2	7.5	0.12	642	0.003	0.37	<0.01	0.27	<0.5	0.16	1.8	5.7	4.94	<5	22	2.76		N.A.	N.A.
851721	Rock Pulp	0.084	8.8	22.3	1.39	174	0.098	1.75	0.05	0.21	<0.5	0.19	1.5	<0.5	1.88	<5	2	I.S.		N.A.	N.A.
851722	Drill Core	0.100	12.7	7.6	0.20	537	0.003	0.39	<0.01	0.25	<0.5	0.21	1.8	4.3	4.85	<5	21	2.68		N.A.	N.A.
851723	Drill Core	0.063	15.1	8.9	0.15	610	0.003	0.36	<0.01	0.26	<0.5	0.24	2.0	5.6	5.90	<5	20	2.76		N.A.	N.A.
851724	Drill Core	0.068	13.8	8.9	0.28	794	0.003	0.45	<0.01	0.30	<0.5	0.20	2.5	5.0	4.99	<5	19	2.72		N.A.	N.A.
851725	Drill Core	0.074	11.7	5.7	0.19	961	0.003	0.32	<0.01	0.23	<0.5	0.11	2.0	3.1	3.39	<5	17	2.73		N.A.	N.A.
851726	Drill Core	0.090	15.9	7.3	0.07	1012	0.003	0.44	<0.01	0.29	<0.5	0.10	1.5	1.1	1.54	<5	18	2.59		N.A.	N.A.
851727	Drill Core	0.068	14.6	7.9	0.26	852	0.003	0.43	<0.01	0.29	<0.5	0.16	1.8	4.2	4.47	<5	23	2.73		N.A.	N.A.
851728	Drill Core	0.057	13.1	6.6	0.14	694	0.003	0.34	<0.01	0.25	<0.5	0.19	1.6	6.1	5.41	<5	22	2.74		N.A.	N.A.
851729	Drill Core	0.060	12.6	8.2	0.22	604	0.003	0.40	<0.01	0.28	<0.5	0.20	2.0	5.8	6.14	<5	23	2.77		N.A.	N.A.
851730	Drill Core	0.040	10.4	5.9	0.38	737	0.003	0.33	<0.01	0.26	<0.5	0.12	1.5	3.2	3.96	<5	22	2.73		N.A.	N.A.
851731 DUP 851730 PLP	Drill Core	0.041	9.8	5.7	0.38	718	0.002	0.33	<0.01	0.25	<0.5	0.13	1.5	3.2	3.80	<5	22	2.75		N.A.	N.A.
851732	Drill Core	0.059	13.3	5.3	0.17	882	0.003	0.34	<0.01	0.27	<0.5	0.09	1.8	1.6	2.09	<5	18	2.64		N.A.	N.A.
851733	Drill Core	0.077	13.9	5.1	0.59	994	0.003	0.40	<0.01	0.27	<0.5	0.06	3.1	0.9	2.24	<5	13	2.64		N.A.	N.A.
851734	Drill Core	0.080	16.9	6.1	0.30	1125	0.003	0.45	<0.01	0.33	<0.5	0.07	3.1	0.9	1.47	<5	12	2.59		N.A.	N.A.

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Project: AKIE
Report Date: October 21, 2010

CERTIFICATE OF ANALYSIS VAN10003986.2

	Method	G6	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
851705	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851706	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851707	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851708	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851709	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851710	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851711	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851712	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851713	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851714	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851715	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851716	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851717	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851718	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851719	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851720	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851721	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851722	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851723	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851724	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851725	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851726	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851727	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851728	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851729	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851730	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851731 DUP 851730 PLP	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851732	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851733	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851734	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Project: AKIE
Report Date: October 21, 2010

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CERTIFICATE OF ANALYSIS VAN10003986.2

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
851705	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851706	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851707	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851708	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851709	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851710	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851711	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851712	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851713	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851714	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851715	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851716	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851717	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851718	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851719	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851720	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851721	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851722	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851723	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851724	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851725	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851726	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851727	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851728	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851729	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851730	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851731 DUP 851730 PLP	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851732	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851733	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851734	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Project: AKIE
Report Date: October 21, 2010

CERTIFICATE OF ANALYSIS VAN10003986.2

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
851705	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851706	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851707	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851708	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851709	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851710	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851711	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851712	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851713	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851714	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851715	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851716	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851717	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851718	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851719	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851720	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851721	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851722	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851723	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851724	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851725	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851726	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851727	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851728	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851729	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851730	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851731 DUP 851730 PLP	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851732	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851733	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851734	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Project: AKIE
Report Date: October 21, 2010

CERTIFICATE OF ANALYSIS VAN10003986.2

	Method	**WGHT**	**4A**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**
	Analyte	**Wgt**	**Ba**	**Mo**	**Cu**	**Pb**	**Zn**	**Ag**	**Ni**	**Co**	**Mn**	**Fe**	**As**	**U**	**Th**	**Sr**	**Cd**	**Sb**	**Bi**	**V**	**Ca**
	Unit	**kg**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**
	MDL	**0.01**	**10**	**0.5**	**0.5**	**0.5**	**5**	**0.5**	**0.5**	**0.5**	**5**	**0.01**	**5**	**0.5**	**0.5**	**5**	**0.5**	**0.5**	**0.5**	**10**	**0.01**
851735	Drill Core	1.31	6912	20.7	28.4	22.9	2706	0.7	78.1	8.4	156	1.77	12	4.1	6.5	184	34.7	14.4	<0.5	47	1.63
851736	Drill Core	1.28	6578	14.3	26.7	30.0	1037	0.9	62.1	6.7	251	2.03	12	2.9	5.4	242	13.5	13.9	<0.5	36	2.14
851737	Drill Core	2.30	12748	25.9	73.3	194.6	21	3.1	92.2	6.9	282	4.27	42	4.1	4.2	217	<0.5	62.2	<0.5	50	1.34
851738	Drill Core	1.44	7595	21.1	50.8	115.3	17	2.1	77.1	6.8	138	2.97	33	3.4	4.7	126	0.5	34.7	<0.5	47	0.72
851739	Drill Core	1.78	8504	28.9	64.4	141.3	134	2.7	95.5	7.9	294	3.35	53	4.8	4.7	240	1.9	53.5	<0.5	61	1.73
851740	Drill Core	1.01	11325	14.8	27.5	38.4	897	1.0	63.6	6.7	298	2.12	16	3.0	5.0	264	13.6	18.2	<0.5	49	1.96
853457	Rock Pulp	0.02	1008	0.5	16.0	4.0	25	<0.5	1.1	2.7	532	1.58	<5	1.5	4.5	10	<0.5	<0.5	<0.5	12	0.12
851742	Drill Core	1.50	8705	25.0	68.2	118.3	18	2.4	104.9	8.3	127	2.90	52	4.1	5.0	125	<0.5	49.8	<0.5	56	0.76
851743	Drill Core	2.18	8103	21.6	50.7	78.4	1821	1.9	86.1	8.0	188	2.50	35	3.9	5.1	214	25.3	36.3	<0.5	55	1.35
851744	Drill Core	2.75	10491	29.5	66.2	121.1	1425	2.3	103.2	8.6	224	2.75	46	5.6	4.4	148	20.0	49.1	<0.5	63	1.06
851745	Drill Core	2.47	8565	29.8	77.5	189.3	700	2.9	101.5	7.7	185	3.57	51	5.7	4.9	145	9.2	62.9	<0.5	66	0.82
851746	Drill Core	1.97	7271	23.6	55.5	102.8	1721	2.0	85.2	6.7	378	2.37	44	4.7	3.7	119	20.9	37.3	<0.5	61	1.33
851747	Drill Core	1.60	8035	32.2	64.1	89.9	1859	3.1	101.8	7.9	73	2.50	56	7.8	3.8	98	22.8	37.6	<0.5	74	0.53
851748	Drill Core	1.27	6571	15.3	36.6	49.4	2092	1.3	67.2	6.1	110	1.50	26	3.3	3.5	132	25.0	21.6	<0.5	51	0.81
851749	Drill Core	1.83	7465	10.9	18.6	13.7	2257	0.8	46.4	4.6	380	1.90	10	2.2	3.4	345	25.0	9.7	<0.5	60	2.46
851750	Drill Core	2.96	16657	17.1	21.9	16.1	3100	1.0	81.2	7.6	257	1.59	17	3.8	5.0	289	27.9	12.0	<0.5	63	1.78
851751	Rock Pulp	0.02	968	4.2	2812	12039	20925	25.0	11.8	10.6	803	3.36	11	<0.5	0.8	64	119.0	36.4	0.8	31	0.98
851752	Drill Core	1.98	34173	20.7	43.0	60.4	3699	1.9	93.9	7.1	536	1.91	47	4.9	4.3	244	35.5	20.6	<0.5	61	2.24
851753	Drill Core	2.17	25936	34.3	56.6	103.5	6784	3.2	115.9	7.7	896	3.06	42	7.0	3.9	363	72.6	27.6	<0.5	81	3.27
851754	Drill Core	2.36	32808	27.8	75.0	191.3	1905	7.9	119.6	6.0	1048	5.84	102	3.6	3.0	241	21.3	54.5	<0.5	67	3.40
851755	Drill Core	2.45	55303	21.8	60.2	238.2	2253	10.5	101.8	5.6	1050	8.00	131	2.5	2.6	203	22.0	48.0	<0.5	76	3.38
851756	Drill Core	2.84	163615	17.5	36.0	152.4	818	7.3	86.6	4.5	723	5.74	97	2.2	2.9	1077	10.0	23.3	<0.5	97	3.14
851757	Drill Core	1.96	179331	15.3	33.3	139.7	235	5.8	74.3	4.7	612	5.79	99	2.0	3.3	649	2.7	17.8	<0.5	164	2.62
851758	Drill Core	2.70	182650	16.2	35.9	147.1	229	5.7	72.1	4.7	375	5.59	92	2.0	3.3	917	2.5	14.5	<0.5	168	1.85
851759	Drill Core	2.74	167928	13.9	29.4	114.8	984	4.6	70.9	4.4	404	4.45	62	1.8	3.3	958	12.2	10.3	<0.5	126	2.86
851760	Drill Core	2.73	196812	14.0	32.3	128.7	455	4.5	70.9	4.3	278	5.12	71	1.9	3.1	889	4.6	9.1	<0.5	136	1.85
851761 DUP 851760 RJT	Drill Core	<0.01	193496	11.7	30.5	129.5	449	4.4	69.1	4.4	268	5.03	68	1.8	3.1	871	5.2	10.1	<0.5	127	1.77
851762	Drill Core	2.53	237680	11.4	26.2	121.8	407	4.0	66.6	4.4	247	4.05	49	1.4	3.0	1203	3.9	6.9	<0.5	99	1.89
851763	Drill Core	2.93	257429	9.1	22.1	100.3	287	2.6	49.4	3.2	210	3.55	36	1.3	2.3	1504	2.6	5.3	<0.5	66	1.26
851764	Drill Core	2.96	287927	9.2	28.2	155.9	80	2.1	55.7	2.9	115	3.72	45	1.0	1.9	1229	0.8	12.5	<0.5	163	0.97

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Project: AKIE
Report Date: October 21, 2010

Page: 3 of 7 Part 2

CERTIFICATE OF ANALYSIS VAN10003986.2

	Method	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	7AR.1	G6	G6
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Pb	Au	Pt
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		%	gm/t	gm/t
	MDL	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0	0.01	0.01	0.01
851735	Drill Core	0.085	16.1	4.9	0.35	1013	0.003	0.39	<0.01	0.25	<0.5	0.17	2.1	1.0	2.03	<5	14	2.59		N.A.	N.A.
851736	Drill Core	0.075	16.6	4.7	0.46	1080	0.003	0.35	<0.01	0.21	<0.5	0.13	1.8	1.1	2.35	<5	14	2.67		N.A.	N.A.
851737	Drill Core	0.061	11.6	5.7	0.05	462	0.003	0.35	<0.01	0.22	<0.5	0.31	1.6	4.9	5.18	<5	32	2.72		N.A.	N.A.
851738	Drill Core	0.067	17.8	5.8	0.07	1423	0.003	0.40	<0.01	0.25	<0.5	0.23	1.1	3.0	3.33	<5	36	2.62		N.A.	N.A.
851739	Drill Core	0.073	18.0	7.3	0.10	1161	0.003	0.49	<0.01	0.28	<0.5	0.21	1.7	4.5	3.85	<5	41	2.62		N.A.	N.A.
851740	Drill Core	0.069	18.6	5.5	0.27	2060	0.004	0.42	<0.01	0.26	<0.5	0.10	1.9	1.6	2.48	<5	24	2.63		N.A.	N.A.
853457	Rock Pulp	0.021	7.8	12.8	0.21	154	0.085	0.60	0.08	0.34	<0.5	<0.05	2.7	<0.5	<0.05	<5	<2	I.S.		N.A.	N.A.
851742	Drill Core	0.073	17.5	6.1	0.08	1461	0.003	0.45	<0.01	0.29	<0.5	0.28	1.2	3.7	3.23	<5	38	2.64		N.A.	N.A.
851743	Drill Core	0.068	18.0	6.2	0.13	1545	0.004	0.45	<0.01	0.28	<0.5	0.26	1.6	2.7	3.00	<5	31	2.65		N.A.	N.A.
851744	Drill Core	0.072	15.4	5.2	0.05	1499	0.003	0.41	<0.01	0.25	<0.5	0.31	1.2	3.7	3.17	<5	39	2.64		N.A.	N.A.
851745	Drill Core	0.065	16.3	6.0	0.06	1275	0.003	0.43	<0.01	0.26	<0.5	0.39	1.0	5.2	4.07	<5	47	2.68		N.A.	N.A.
851746	Drill Core	0.054	14.1	5.5	0.05	1428	0.003	0.38	<0.01	0.23	<0.5	0.30	1.4	3.0	2.72	<5	30	2.64		N.A.	N.A.
851747	Drill Core	0.092	13.7	7.4	0.04	1776	0.004	0.37	<0.01	0.21	<0.5	0.39	1.3	2.6	2.98	<5	34	2.62		N.A.	N.A.
851748	Drill Core	0.057	15.4	5.6	0.11	1659	0.003	0.36	<0.01	0.22	<0.5	0.29	1.3	2.0	1.75	<5	23	2.66		N.A.	N.A.
851749	Drill Core	0.112	12.8	8.0	0.64	2144	0.004	0.46	<0.01	0.24	<0.5	0.32	2.1	0.8	2.30	<5	13	2.64		N.A.	N.A.
851750	Drill Core	0.169	19.4	7.6	0.40	3706	0.004	0.57	<0.01	0.25	<0.5	0.41	3.0	1.0	1.86	<5	14	2.64		N.A.	N.A.
851751	Rock Pulp	0.077	8.7	23.6	1.41	182	0.102	1.81	0.05	0.23	<0.5	0.13	1.7	<0.5	1.90	<5	<2	I.S.		N.A.	N.A.
851752	Drill Core	0.079	16.0	6.9	0.17	2055	0.003	1.01	<0.01	0.22	<0.5	0.57	2.6	3.1	1.92	<5	44	2.68		N.A.	N.A.
851753	Drill Core	0.070	13.0	6.4	0.30	985	0.004	0.74	<0.01	0.20	<0.5	0.79	2.8	4.3	3.42	<5	35	2.70		N.A.	N.A.
851754	Drill Core	0.060	12.1	7.3	0.16	508	0.003	1.20	<0.01	0.19	<0.5	0.73	2.9	10.4	6.48	<5	44	2.80		N.A.	N.A.
851755	Drill Core	0.058	10.2	11.4	0.23	329	0.004	1.87	<0.01	0.14	<0.5	0.71	4.4	10.6	8.55	<5	24	2.93		N.A.	N.A.
851756	Drill Core	0.073	14.4	17.4	0.26	675	0.002	2.18	<0.01	0.09	<0.5	0.44	6.2	7.5	4.30	<5	16	3.01		N.A.	N.A.
851757	Drill Core	0.099	17.0	30.6	0.27	655	0.004	2.60	<0.01	0.08	<0.5	0.33	7.7	6.1	4.22	6	10	3.08		N.A.	N.A.
851758	Drill Core	0.085	15.9	34.3	0.31	776	0.004	2.47	<0.01	0.10	<0.5	0.32	7.7	6.2	3.59	6	14	3.08		N.A.	N.A.
851759	Drill Core	0.083	16.4	26.5	0.30	1030	0.002	2.37	<0.01	0.08	<0.5	0.30	7.6	5.2	2.60	6	7	3.04		N.A.	N.A.
851760	Drill Core	0.075	15.3	28.8	0.32	743	0.003	2.06	<0.01	0.09	<0.5	0.23	6.9	6.2	3.50	5	7	3.08		N.A.	N.A.
851761 DUP 851760 RJT	Drill Core	0.072	14.7	26.8	0.30	718	0.003	1.95	<0.01	0.08	<0.5	0.24	5.7	6.2	3.37	<5	10	3.04		N.A.	N.A.
851762	Drill Core	0.060	13.4	23.7	0.31	1256	0.002	1.61	<0.01	0.07	<0.5	0.20	6.0	5.7	2.16	<5	5	3.13		N.A.	N.A.
851763	Drill Core	0.050	9.8	15.8	0.27	2258	0.004	0.86	<0.01	0.04	<0.5	0.15	4.6	5.7	1.30	<5	5	3.33		N.A.	N.A.
851764	Drill Core	0.036	9.1	24.7	0.21	2919	0.043	1.23	<0.01	0.02	<0.5	0.20	4.9	6.4	1.10	<5	8	3.49		N.A.	N.A.

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Project: AKIE
Report Date: October 21, 2010

CERTIFICATE OF ANALYSIS VAN10003986.2

	Method	G6	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
851735	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851736	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851737	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851738	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851739	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851740	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853457	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851742	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851743	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851744	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851745	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851746	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851747	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851748	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851749	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851750	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851751	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851752	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851753	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851754	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851755	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851756	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851757	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851758	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851759	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851760	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851761 DUP 851760 RJT	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851762	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851763	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851764	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

CERTIFICATE OF ANALYSIS VAN10003986.2

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
851735	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851736	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851737	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851738	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851739	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851740	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853457	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851742	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851743	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851744	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851745	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851746	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851747	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851748	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851749	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851750	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851751	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851752	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851753	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851754	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851755	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851756	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851757	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851758	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851759	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851760	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851761 DUP 851760 RJT	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851762	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851763	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851764	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Project: AKIE
Report Date: October 21, 2010

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CERTIFICATE OF ANALYSIS VAN10003986.2

Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
851735	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851736	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851737	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851738	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851739	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851740	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853457	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851742	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851743	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851744	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851745	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851746	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851747	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851748	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851749	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851750	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851751	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851752	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851753	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851754	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851755	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851756	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851757	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851758	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851759	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851760	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851761 DUP 851760 RJT	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851762	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851763	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851764	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Project: AKIE
Report Date: October 21, 2010

CERTIFICATE OF ANALYSIS VAN10003986.2

	Method	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	10	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
851765	Drill Core	1.64	119004	14.2	42.6	103.2	1111	0.8	79.0	9.6	127	2.15	25	2.5	3.5	102	9.9	12.4	<0.5	113	0.77
851766	Drill Core	2.64	50501	51.8	44.4	146.5	394	1.2	137.3	24.8	86	2.33	35	11.6	2.8	78	2.8	21.5	<0.5	75	1.12
851767	Drill Core	2.31	28818	33.4	42.2	173.4	40	1.2	120.2	31.3	157	2.84	37	8.1	2.9	134	0.6	21.5	<0.5	39	1.96
851768	Drill Core	2.04	9687	19.4	45.3	182.2	14	1.0	111.0	23.4	290	3.24	31	5.8	4.2	289	<0.5	22.9	<0.5	20	4.24
851769	Drill Core	1.74	7297	48.1	53.9	219.6	14	1.3	93.2	16.2	130	3.29	36	10.3	4.8	137	<0.5	25.6	<0.5	27	1.20
851770	Drill Core	3.73	7521	22.0	51.5	22.1	32	0.6	61.2	10.7	44	1.43	21	3.8	5.7	67	0.5	14.1	<0.5	64	0.73
851771	Rock Pulp	0.02	1032	0.9	14.9	3.4	26	<0.5	1.3	3.0	540	1.58	<5	1.6	5.0	11	<0.5	<0.5	<0.5	14	0.13
851772	Drill Core	2.22	3735	9.4	3330	8.7	17	1.6	27.3	5.8	525	2.27	7	2.0	2.1	609	<0.5	5.7	<0.5	40	11.10
851773	Drill Core	3.97	7796	25.6	68.4	40.1	8	1.3	84.4	9.7	61	1.67	29	4.2	5.2	80	<0.5	21.9	<0.5	75	1.25
851774	Drill Core	4.63	10624	12.5	41.3	77.2	35	0.6	71.9	8.5	122	1.74	18	2.4	5.1	63	<0.5	11.7	<0.5	43	1.02
851775	Drill Core	4.14	9539	16.4	41.4	87.7	565	<0.5	73.3	8.3	131	1.94	16	2.4	3.7	37	5.0	11.6	<0.5	54	0.65
851776	Drill Core	3.57	20442	16.6	72.2	2213	12302	1.8	61.6	4.7	745	6.46	21	2.5	1.9	260	55.9	32.3	<0.5	155	4.26
851777	Drill Core	2.84	5931	12.5	38.2	110.2	726	<0.5	59.6	8.8	166	1.41	12	2.6	2.3	89	4.5	6.8	<0.5	27	1.47
851778	Drill Core	4.15	4933	23.2	55.7	95.6	534	0.5	98.0	13.5	148	2.72	19	5.6	2.6	76	2.5	10.2	<0.5	31	1.70
851779	Drill Core	4.65	1321	4.3	4.2	5.4	327	<0.5	10.5	1.1	254	0.31	<5	2.2	0.7	1620	3.1	1.2	<0.5	15	34.70
851780	Drill Core	4.89	41734	23.6	40.4	44.6	2850	1.1	91.7	6.7	243	1.66	17	5.5	4.6	181	41.7	18.6	<0.5	111	0.98
851781	Rock Pulp	0.02	1080	7.1	6879	>40000	70731	79.0	9.3	10.9	930	5.02	99	1.2	2.9	13	207.1	435.9	4.2	16	0.20
851782	Drill Core	3.59	140289	26.3	60.8	125.1	1507	2.2	93.8	6.3	419	3.09	29	6.0	4.3	669	21.9	47.2	<0.5	125	2.55
851783	Drill Core	3.03	142431	24.2	52.2	105.0	896	1.7	82.4	5.9	427	2.58	26	5.5	3.7	310	13.3	39.5	<0.5	165	1.82
851784	Drill Core	2.62	119373	28.1	57.7	101.4	398	1.7	100.8	6.2	269	2.78	35	5.2	4.0	140	5.2	38.6	<0.5	157	0.99
851785	Drill Core	4.78	122353	28.5	60.2	103.9	951	2.1	99.3	7.7	214	2.78	31	5.3	4.3	303	14.8	39.5	<0.5	129	1.18
851786	Drill Core	2.95	111146	22.0	44.1	72.1	2844	1.5	84.1	6.4	315	3.37	21	6.5	4.0	512	44.2	28.0	<0.5	84	2.26
851787	Drill Core	3.40	137725	25.7	60.6	123.8	430	2.0	90.4	5.6	345	2.86	29	5.5	4.0	263	6.2	43.3	<0.5	120	1.43
851788	Drill Core	3.91	135980	21.0	45.2	90.5	1439	1.3	84.2	6.2	323	2.26	23	4.8	4.3	277	20.9	27.2	<0.5	159	1.47
851789	Drill Core	3.62	141295	20.9	56.8	124.5	1167	1.8	86.0	5.9	375	2.30	28	4.4	4.1	290	16.2	32.8	<0.5	182	2.03
851790	Drill Core	3.91	127972	23.9	51.0	98.8	3150	1.9	92.0	6.3	178	2.24	26	5.5	3.2	184	41.9	27.9	<0.5	205	0.72
851791 DUP 851790 RJT	Drill Core	<0.01	127547	24.8	49.7	97.3	3117	1.7	84.2	6.6	175	2.22	25	5.0	3.4	197	39.9	27.2	<0.5	206	0.71
851792	Drill Core	4.55	136166	13.7	44.7	99.2	895	1.4	61.7	4.4	882	3.09	17	3.6	3.3	536	11.5	26.0	<0.5	82	5.87
851793	Drill Core	3.14	47353	6.3	13.8	43.4	1293	0.7	30.2	1.8	2951	1.03	8	1.5	1.2	1233	16.9	10.6	<0.5	54	26.77
851794	Drill Core	3.45	34677	18.3	44.4	154.4	73	2.6	66.7	4.0	2272	5.14	35	3.4	2.1	561	0.9	33.2	<0.5	65	13.83

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CERTIFICATE OF ANALYSIS VAN10003986.2

	Method	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	7AR.1	G6	G6
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Pb	Au	Pt
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		%	gm/t	gm/t
	MDL	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0	0.01	0.01	0.01
851765	Drill Core	0.052	17.6	16.6	0.38	19025	0.009	3.65	<0.01	0.07	<0.5	0.24	7.3	2.8	0.48	7	6	2.82		N.A.	N.A.
851766	Drill Core	0.047	15.0	6.3	0.11	3315	0.003	2.13	<0.01	0.14	<0.5	0.33	3.6	3.3	1.58	<5	10	2.65		N.A.	N.A.
851767	Drill Core	0.053	14.4	5.0	0.16	1654	0.003	1.13	<0.01	0.18	<0.5	0.31	2.8	4.0	2.66	<5	6	2.63		N.A.	N.A.
851768	Drill Core	0.075	14.3	5.6	0.55	1709	0.003	0.47	<0.01	0.27	<0.5	0.39	2.8	4.6	3.64	<5	9	2.66		N.A.	N.A.
851769	Drill Core	0.062	15.4	6.4	0.18	1312	0.004	0.46	<0.01	0.30	<0.5	0.46	2.4	4.4	3.87	<5	6	2.61		N.A.	N.A.
851770	Drill Core	0.072	26.7	6.4	0.10	970	0.003	0.55	<0.01	0.40	<0.5	0.07	2.5	1.1	1.40	<5	14	2.63		N.A.	N.A.
851771	Rock Pulp	0.017	8.2	14.4	0.22	159	0.088	0.62	0.09	0.34	<0.5	<0.05	3.9	<0.5	<0.05	<5	<2	I.S.		N.A.	N.A.
851772	Drill Core	0.015	18.6	4.9	0.82	681	0.002	0.23	<0.01	0.19	<0.5	<0.05	5.0	<0.5	1.11	<5	6	2.67		N.A.	N.A.
851773	Drill Core	0.065	22.6	8.4	0.08	1044	0.004	0.49	<0.01	0.33	<0.5	0.16	1.7	1.0	1.84	<5	21	2.55		N.A.	N.A.
851774	Drill Core	0.019	24.6	5.5	0.29	1306	0.003	0.48	<0.01	0.33	<0.5	0.10	3.0	1.1	1.92	<5	10	2.67		N.A.	N.A.
851775	Drill Core	0.019	18.1	6.3	0.34	1149	0.003	0.44	<0.01	0.27	<0.5	0.13	2.6	1.3	2.17	<5	9	2.65		N.A.	N.A.
851776	Drill Core	0.015	8.0	15.4	0.48	164	0.029	0.29	<0.01	0.08	<0.5	1.37	3.5	24.4	8.88	<5	14	2.81		N.A.	N.A.
851777	Drill Core	0.010	10.2	9.2	0.25	1417	0.001	0.29	<0.01	0.11	<0.5	0.18	2.0	0.8	1.47	<5	7	2.60		N.A.	N.A.
851778	Drill Core	0.009	10.8	6.8	0.16	637	0.002	0.26	<0.01	0.17	<0.5	0.23	2.0	1.8	3.06	<5	10	2.62		N.A.	N.A.
851779	Drill Core	0.005	11.2	1.9	0.22	354	<0.001	0.07	<0.01	0.03	<0.5	0.08	0.7	<0.5	0.16	<5	<2	2.62		N.A.	N.A.
851780	Drill Core	0.044	16.3	11.5	0.26	1626	0.003	0.52	<0.01	0.22	<0.5	0.26	3.3	2.3	1.62	<5	21	2.66		N.A.	N.A.
851781	Rock Pulp	0.021	5.4	11.3	0.24	483	0.081	0.47	0.05	0.32	2.9	10.30	2.5	41.2	6.13	<5	8	I.S.	5.95	N.A.	N.A.
851782	Drill Core	0.053	15.1	10.9	0.29	2146	0.003	1.56	<0.01	0.11	<0.5	0.36	5.6	5.5	1.23	<5	39	2.90		N.A.	N.A.
851783	Drill Core	0.052	14.4	15.6	0.33	2945	0.003	1.55	<0.01	0.09	<0.5	0.28	5.4	4.9	1.03	<5	37	2.87		N.A.	N.A.
851784	Drill Core	0.052	16.5	13.2	0.29	2042	0.003	2.06	<0.01	0.12	<0.5	0.31	6.0	5.7	1.35	<5	39	2.77		N.A.	N.A.
851785	Drill Core	0.056	17.1	11.9	0.29	1394	0.004	1.20	<0.01	0.14	<0.5	0.27	5.6	5.3	1.69	<5	45	2.82		N.A.	N.A.
851786	Drill Core	0.080	15.7	9.2	0.21	986	0.003	0.79	<0.01	0.12	<0.5	0.26	4.2	3.7	2.26	<5	21	2.84		N.A.	N.A.
851787	Drill Core	0.052	14.6	11.0	0.31	1767	0.003	1.48	<0.01	0.10	<0.5	0.23	5.8	6.4	1.46	<5	44	2.85		N.A.	N.A.
851788	Drill Core	0.057	15.7	14.0	0.33	9031	0.004	2.06	<0.01	0.11	<0.5	0.25	7.4	4.5	0.49	<5	31	2.87		N.A.	N.A.
851789	Drill Core	0.051	17.1	15.7	0.32	6965	0.003	2.13	<0.01	0.09	<0.5	0.27	7.2	5.9	0.61	<5	33	2.85		N.A.	N.A.
851790	Drill Core	0.066	12.7	19.5	0.27	7196	0.004	2.46	<0.01	0.09	<0.5	0.39	7.1	4.4	0.61	5	33	2.82		N.A.	N.A.
851791 DUP 851790 RJT	Drill Core	0.059	12.9	18.9	0.27	6883	0.003	2.41	<0.01	0.08	<0.5	0.33	6.8	4.4	0.63	<5	32	2.87		N.A.	N.A.
851792	Drill Core	0.052	12.6	7.6	0.29	1914	0.003	0.52	<0.01	0.09	<0.5	0.16	3.6	4.0	1.34	<5	27	2.85		N.A.	N.A.
851793	Drill Core	0.038	7.0	3.3	0.41	9272	0.001	0.13	0.01	0.05	<0.5	0.12	1.5	1.7	0.54	<5	12	2.75		N.A.	N.A.
851794	Drill Core	0.046	7.6	6.0	0.18	299	0.003	0.26	<0.01	0.12	<0.5	0.15	2.6	10.4	5.87	<5	30	2.77		N.A.	N.A.

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Report Date: October 21, 2010

CERTIFICATE OF ANALYSIS VAN10003986.2

	Method	G6	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
851765	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851766	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851767	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851768	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851769	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851770	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851771	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851772	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851773	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851774	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851775	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851776	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851777	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851778	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851779	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851780	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851781	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851782	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851783	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851784	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851785	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851786	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851787	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851788	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851789	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851790	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851791 DUP 851790 RJT	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851792	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851793	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851794	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Project: AKIE
Report Date: October 21, 2010

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CERTIFICATE OF ANALYSIS VAN10003986.2

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
851765	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851766	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851767	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851768	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851769	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851770	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851771	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851772	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851773	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851774	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851775	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851776	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851777	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851778	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851779	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851780	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851781	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851782	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851783	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851784	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851785	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851786	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851787	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851788	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851789	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851790	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851791 DUP 851790 RJT	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851792	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851793	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851794	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

Client: **Canada Zinc Metals Corp.**
620-650 West Georgia Street
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Project: AKIE
Report Date: October 21, 2010

CERTIFICATE OF ANALYSIS VAN10003986.2

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
851765	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851766	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851767	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851768	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851769	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851770	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851771	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851772	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851773	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851774	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851775	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851776	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851777	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851778	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851779	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851780	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851781	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851782	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851783	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851784	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851785	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851786	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851787	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851788	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851789	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851790	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851791 DUP 851790 RJT	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851792	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851793	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851794	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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620-650 West Georgia Street
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Project: AKIE
Report Date: October 21, 2010

CERTIFICATE OF ANALYSIS VAN10003986.2

	Method	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	10	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
851795	Drill Core	3.09	29685	25.9	23.7	73.5	4609	1.3	78.0	4.7	1852	2.08	24	7.3	3.0	531	44.1	12.9	<0.5	88	12.61
851796	Drill Core	3.18	87303	16.6	37.8	277.2	3219	4.6	71.0	4.4	1964	6.60	73	2.8	1.8	278	21.6	31.4	<0.5	59	9.53
851797	Drill Core	4.43	21770	20.5	48.8	295.6	4235	7.7	92.1	5.6	888	7.41	80	3.4	2.9	135	30.6	33.4	<0.5	81	3.68
851798	Drill Core	4.23	13363	16.4	43.3	287.9	1282	7.4	79.6	5.3	1243	8.99	65	3.5	2.7	221	10.5	31.1	<0.5	82	5.48
851799	Drill Core	3.72	9373	16.8	37.6	291.7	644	7.0	76.2	5.2	949	9.13	62	3.7	2.4	197	5.8	24.8	<0.5	86	5.27
851800	Drill Core	4.12	8947	17.8	40.3	241.1	1900	6.8	79.6	6.1	765	5.41	56	3.3	3.2	172	17.3	17.1	<0.5	84	4.16
851801	Rock Pulp	0.02	1039	0.7	15.5	2.7	32	<0.5	1.6	2.7	518	1.54	<5	1.5	4.9	10	<0.5	<0.5	<0.5	13	0.15
851802	Drill Core	4.29	7089	15.3	31.4	252.9	151	5.3	73.3	4.5	1632	5.56	59	2.4	2.5	380	1.6	14.8	<0.5	64	11.50
851803	Drill Core	3.97	6220	12.8	27.1	282.2	27	4.0	60.6	3.4	2097	5.38	41	1.7	2.1	494	<0.5	12.4	<0.5	53	16.36
851804	Drill Core	3.34	4702	12.9	38.7	379.2	80	4.3	67.0	4.6	1763	6.03	49	1.6	2.0	395	1.0	14.7	<0.5	49	14.29
851805	Drill Core	3.64	6214	14.6	45.8	284.5	2431	2.8	75.4	4.9	850	3.85	46	2.0	2.7	276	24.6	13.5	<0.5	74	8.87
851806	Drill Core	4.63	6831	13.8	26.9	148.8	1025	0.6	46.7	5.8	852	1.97	12	3.8	2.4	475	9.3	6.7	<0.5	33	13.02
853005	Drill Core	3.47	8598	25.9	46.1	291.0	1001	3.4	78.2	6.7	296	4.91	42	12.2	3.5	162	10.0	20.9	<0.5	49	2.09
853006	Drill Core	3.46	7503	14.4	39.2	313.1	5186	3.1	64.6	4.5	185	4.57	35	1.9	2.0	520	50.1	20.2	<0.5	33	2.42
853007	Drill Core	3.24	5549	16.4	34.4	59.0	2385	2.8	64.3	5.1	114	2.12	27	2.9	2.4	241	24.9	9.1	<0.5	67	1.12
853008	Drill Core	2.62	12795	32.8	66.3	141.2	6005	6.2	130.0	9.3	55	4.12	63	5.7	5.0	131	59.8	20.8	<0.5	119	0.80
853009	Drill Core	4.04	15989	20.8	57.6	235.8	314	5.2	84.2	6.7	436	5.16	47	3.0	3.6	493	2.9	23.4	<0.5	49	4.42
853010	Rock Pulp	0.02	990	0.6	17.0	4.6	39	<0.5	2.5	3.0	547	1.47	<5	1.7	5.3	10	<0.5	<0.5	<0.5	15	0.17
853011	Drill Core	4.58	38518	20.3	46.2	150.0	1156	2.7	84.0	7.5	175	3.73	37	2.9	3.9	112	13.0	17.5	<0.5	46	1.73
853012	Drill Core	2.31	43678	9.9	25.6	42.7	446	0.9	57.0	6.5	203	1.71	15	3.4	4.0	125	5.0	5.9	<0.5	39	2.70
853013	Drill Core	3.64	13317	36.6	63.4	180.5	1691	3.2	103.7	9.8	656	5.28	40	4.8	11.6	399	19.8	21.3	<0.5	74	4.18
853014	Drill Core	3.46	14112	26.1	52.0	171.3	1572	3.0	94.4	8.4	158	4.07	40	2.8	4.2	85	18.4	21.8	<0.5	49	0.73
853015	Drill Core	4.23	18951	21.9	55.1	135.3	344	3.4	82.5	7.3	370	3.98	40	4.0	3.2	304	4.4	23.1	<0.5	50	3.57
853016	Drill Core	4.33	11710	23.7	41.8	72.0	2036	2.2	89.7	8.1	235	2.55	27	3.6	4.5	198	22.2	15.5	<0.5	52	1.56
853017	Drill Core	3.32	14878	22.9	48.8	75.9	924	2.5	91.9	7.4	191	2.88	30	3.3	4.9	244	12.7	18.1	<0.5	51	1.76
853018	Drill Core	3.05	15036	24.0	84.0	143.9	37	3.9	95.3	7.6	178	4.64	46	3.1	5.0	243	<0.5	32.3	<0.5	56	1.07
853019	Drill Core	2.97	10092	26.0	59.5	78.2	1258	2.6	82.5	7.2	440	3.47	41	4.0	3.8	351	16.8	26.1	<0.5	55	3.47
853020	Rock Pulp	0.02	968	3.6	2865	12549	21146	25.3	10.9	10.6	776	3.35	11	<0.5	0.9	73	120.3	35.3	0.9	39	1.10
853021	Drill Core	2.95	6437	16.7	37.9	26.0	2677	1.0	73.9	7.4	301	2.11	14	3.6	4.3	521	29.8	12.1	<0.5	54	4.02
853022	Drill Core	4.03	10071	21.0	36.2	18.9	1767	0.8	83.1	8.3	132	1.75	16	4.3	6.9	225	20.5	13.0	<0.5	61	1.79

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Project: AKIE
Report Date: October 21, 2010

Page: 5 of 7 Part 2

CERTIFICATE OF ANALYSIS VAN10003986.2

	Method	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	7AR.1	G6	G6
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Pb	Au	Pt
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		%	gm/t	gm/t
	MDL	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0	0.01	0.01	0.01
851795	Drill Core	0.140	10.9	6.9	0.21	833	0.004	0.28	<0.01	0.13	<0.5	0.38	2.8	3.9	2.59	<5	14	2.67		N.A.	N.A.
851796	Drill Core	0.069	9.1	9.0	0.19	248	0.002	0.40	<0.01	0.08	<0.5	0.36	2.4	11.8	7.25	<5	22	2.91		N.A.	N.A.
851797	Drill Core	0.085	12.4	16.9	0.09	239	0.004	0.55	<0.01	0.17	<0.5	0.45	2.4	14.5	9.22	<5	21	2.77		N.A.	N.A.
851798	Drill Core	0.111	10.4	14.9	0.10	126	0.005	0.35	<0.01	0.17	<0.5	0.18	2.6	15.4	11.32	<5	15	2.87		N.A.	N.A.
851799	Drill Core	0.136	9.9	15.9	0.09	131	0.005	0.37	<0.01	0.19	<0.5	0.19	2.5	15.3	11.22	<5	14	2.83		N.A.	N.A.
851800	Drill Core	0.173	14.9	17.9	0.10	309	0.006	0.47	<0.01	0.23	<0.5	0.24	2.8	14.3	6.79	<5	13	2.72		N.A.	N.A.
851801	Rock Pulp	0.016	8.2	13.8	0.21	147	0.079	0.58	0.08	0.32	<0.5	<0.05	3.3	<0.5	<0.05	<5	<2	I.S.		N.A.	N.A.
851802	Drill Core	0.098	9.1	15.2	0.15	328	0.004	0.33	<0.01	0.17	<0.5	0.18	3.1	13.2	7.03	<5	11	2.74		N.A.	N.A.
851803	Drill Core	0.056	7.4	12.0	0.31	317	0.003	0.25	0.01	0.14	<0.5	0.15	2.6	13.4	6.81	<5	6	2.74		N.A.	N.A.
851804	Drill Core	0.053	6.2	11.8	0.19	336	0.003	0.25	0.01	0.14	<0.5	0.19	3.0	16.1	7.86	<5	6	2.76		N.A.	N.A.
851805	Drill Core	0.046	9.4	13.0	0.13	719	0.005	0.45	<0.01	0.22	<0.5	0.31	2.3	9.9	4.87	<5	9	2.70		N.A.	N.A.
851806	Drill Core	0.031	8.3	3.9	0.14	1156	0.003	0.23	<0.01	0.14	2.3	0.19	3.1	2.9	2.47	<5	4	2.64		N.A.	N.A.
853005	Drill Core	0.015	14.6	6.2	0.08	572	0.003	0.37	<0.01	0.22	<0.5	0.22	1.8	6.1	6.14	<5	19	2.79		N.A.	N.A.
853006	Drill Core	0.008	8.3	7.9	0.13	490	0.002	0.20	<0.01	0.12	<0.5	0.22	2.1	11.0	5.46	<5	18	2.70		N.A.	N.A.
853007	Drill Core	0.081	11.4	15.2	0.09	1426	0.003	0.30	<0.01	0.14	<0.5	0.06	1.5	1.8	2.46	<5	17	2.59		N.A.	N.A.
853008	Drill Core	0.188	19.1	18.7	0.05	396	0.005	0.49	<0.01	0.25	<0.5	0.20	2.4	3.6	5.10	<5	30	2.67		N.A.	N.A.
853009	Drill Core	0.031	12.9	6.2	0.15	344	0.003	0.38	<0.01	0.21	<0.5	0.14	2.2	7.2	5.99	<5	17	2.75		N.A.	N.A.
853010	Rock Pulp	0.016	8.4	14.4	0.22	148	0.083	0.68	0.13	0.33	<0.5	<0.05	3.8	<0.5	<0.05	<5	<2	I.S.		N.A.	N.A.
853011	Drill Core	0.025	13.9	5.8	0.19	685	0.003	0.40	<0.01	0.23	<0.5	0.13	2.5	5.0	3.72	<5	14	2.77		N.A.	N.A.
853012	Drill Core	0.015	21.0	5.9	0.36	2920	0.003	0.39	<0.01	0.22	<0.5	<0.05	3.0	1.6	1.16	<5	10	2.70		N.A.	N.A.
853013	Drill Core	0.084	39.3	11.5	0.41	479	0.006	0.52	<0.01	0.26	<0.5	0.12	4.7	5.1	5.75	<5	21	2.74		N.A.	N.A.
853014	Drill Core	0.016	18.0	7.3	0.17	439	0.004	0.46	<0.01	0.24	<0.5	0.11	3.1	5.9	4.75	<5	20	2.68		N.A.	N.A.
853015	Drill Core	0.025	11.2	6.8	0.28	352	0.003	0.46	<0.01	0.22	<0.5	0.14	2.6	5.5	4.69	<5	17	2.78		N.A.	N.A.
853016	Drill Core	0.033	17.9	7.9	0.26	1513	0.004	0.50	<0.01	0.26	<0.5	0.10	3.2	3.3	3.06	<5	17	2.68		N.A.	N.A.
853017	Drill Core	0.036	18.5	6.6	0.27	1151	0.005	0.50	<0.01	0.25	<0.5	0.08	2.9	3.6	3.38	<5	15	2.71		N.A.	N.A.
853018	Drill Core	0.031	18.5	10.9	0.22	528	0.006	0.61	<0.01	0.30	<0.5	0.17	3.1	6.4	5.40	<5	23	2.75		N.A.	N.A.
853019	Drill Core	0.029	17.0	6.4	0.14	1158	0.004	0.41	<0.01	0.22	<0.5	0.12	3.3	3.9	4.22	<5	20	2.71		N.A.	N.A.
853020	Rock Pulp	0.081	9.6	23.2	1.43	201	0.118	1.94	0.07	0.23	<0.5	0.17	2.3	<0.5	1.93	5	<2	I.S.		N.A.	N.A.
853021	Drill Core	0.014	19.1	7.0	0.59	975	0.004	0.41	<0.01	0.23	<0.5	0.10	3.4	1.6	2.29	<5	15	2.65		N.A.	N.A.
853022	Drill Core	0.084	23.5	6.7	0.38	1482	0.006	0.49	<0.01	0.27	<0.5	0.12	3.0	2.1	2.20	<5	12	2.63		N.A.	N.A.

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Project: AKIE
Report Date: October 21, 2010

CERTIFICATE OF ANALYSIS VAN10003986.2

	Method	G6	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	**Pd**	**Mo**	**Cu**	**Pb**	**Zn**	**Ag**	**Ni**	**Co**	**Mn**	**Fe**	**As**	**U**	**Au**	**Th**	**Sr**	**Cd**	**Sb**	**Bi**	**V**	**Ca**
	Unit	**gm/t**	**ppm**	**ppm**	**ppm**	**ppm**	**ppb**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppb**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**
	MDL	**0.01**	**0.01**	**0.01**	**0.01**	**0.1**	**2**	**0.1**	**0.1**	**1**	**0.01**	**0.1**	**0.1**	**0.2**	**0.1**	**0.5**	**0.01**	**0.02**	**0.02**	**2**	**0.01**
851795	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851796	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851797	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851798	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851799	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851800	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851801	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851802	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851803	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851804	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851805	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851806	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853005	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853006	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853007	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853008	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853009	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853010	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853011	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853012	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853013	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853014	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853015	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853016	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853017	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853018	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853019	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853020	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853021	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853022	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Report Date: October 21, 2010

CERTIFICATE OF ANALYSIS VAN10003986.2

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
851795	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851796	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851797	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851798	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851799	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851800	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851801	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851802	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851803	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851804	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851805	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851806	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853005	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853006	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853007	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853008	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853009	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853010	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853011	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853012	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853013	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853014	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853015	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853016	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853017	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853018	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853019	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853020	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853021	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853022	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Project: AKIE
Report Date: October 21, 2010

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CERTIFICATE OF ANALYSIS VAN10003986.2

	Method	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**
	Analyte	**Hf**	**Nb**	**Rb**	**Sn**	**Ta**	**Zr**	**Y**	**Ce**	**In**	**Re**	**Be**	**Li**	**Pd**	**Pt**
	Unit	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppb**	**ppm**	**ppm**	**ppb**	**ppb**
	MDL	**0.02**	**0.02**	**0.1**	**0.1**	**0.05**	**0.1**	**0.01**	**0.1**	**0.02**	**1**	**0.1**	**0.1**	**10**	**2**
851795	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851796	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851797	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851798	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851799	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851800	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851801	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851802	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851803	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851804	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851805	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851806	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853005	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853006	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853007	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853008	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853009	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853010	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853011	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853012	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853013	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853014	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853015	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853016	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853017	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853018	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853019	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853020	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853021	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853022	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Project: AKIE
Report Date: October 21, 2010

CERTIFICATE OF ANALYSIS VAN10003986.2

Method		WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
Analyte		Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	10	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
853023	Drill Core	2.39	10405	14.5	35.1	34.1	977	1.0	75.9	7.0	277	2.27	14	3.3	6.0	313	13.0	13.6	<0.5	50	2.44
853024	Drill Core	4.61	37428	24.8	75.1	131.8	28	2.5	95.1	6.9	505	3.54	37	4.3	3.9	410	<0.5	41.9	<0.5	55	2.84
853025	Drill Core	3.94	30569	14.8	44.0	44.8	519	1.2	74.1	7.0	338	2.17	22	2.9	4.7	339	8.5	22.3	<0.5	59	2.85
853026	Drill Core	3.88	21313	24.4	44.3	32.2	3781	1.2	103.3	8.2	100	1.57	17	4.2	4.3	47	51.8	18.5	<0.5	73	0.41
853027	Drill Core	1.87	68853	18.6	43.2	48.4	538	1.4	78.7	6.2	482	2.06	24	4.7	2.7	304	8.1	21.7	<0.5	65	4.19
853028	Drill Core	4.29	43885	18.7	49.3	75.2	682	1.7	83.7	6.9	469	2.81	27	2.9	3.7	255	8.5	29.9	<0.5	66	2.82
853029	Drill Core	3.81	12210	20.7	47.2	67.0	1114	1.7	79.9	5.9	378	1.75	25	3.7	2.4	103	13.5	22.3	<0.5	70	2.06
853030	Rock Pulp	0.02	60	4.4	7043	22456	4546	197.3	14.6	13.3	207	3.79	196	<0.5	<0.5	11	63.4	407.7	23.8	<10	0.16
853031	Drill Core	4.37	19885	18.3	52.8	91.5	1790	1.8	80.2	6.5	505	2.35	25	4.2	2.4	145	17.9	21.5	<0.5	71	3.33
853032	Drill Core	4.62	271384	9.7	31.1	121.9	1541	1.1	45.5	3.3	72	1.45	14	1.3	1.6	126	14.2	14.5	<0.5	109	0.72
853033	Drill Core	4.02	266807	14.4	28.4	216.9	2276	1.9	54.3	2.9	204	2.48	29	1.3	1.2	184	16.8	13.1	<0.5	79	1.38
853034 DUP 853033 PLP	Drill Core	<0.01	268434	13.5	29.0	210.1	2277	1.9	59.3	3.3	204	2.48	26	1.2	1.2	170	16.1	12.9	<0.5	75	1.37
853035	Drill Core	4.57	155977	15.7	30.6	363.3	1716	4.3	64.2	3.3	1600	6.71	62	2.1	1.1	302	13.8	16.6	<0.5	94	7.55
853036	Drill Core	3.61	152600	18.7	32.5	250.7	1648	4.5	88.6	5.0	622	4.01	57	3.2	1.4	199	14.3	10.2	<0.5	89	3.29
853037	Drill Core	1.79	41175	28.2	44.1	135.1	2186	1.4	110.0	7.4	141	2.70	27	9.8	2.5	112	23.3	19.3	<0.5	193	1.12
853038	Drill Core	4.31	8734	30.6	55.6	96.5	2933	2.2	109.4	7.8	182	2.62	34	6.8	3.0	99	28.2	24.0	<0.5	140	1.65
853039	Drill Core	4.29	5840	27.1	70.4	77.5	2070	2.2	96.5	7.0	132	2.29	31	7.0	2.9	92	17.7	37.5	<0.5	126	1.52
853040	Rock Pulp	0.02	1039	0.5	17.1	3.0	32	<0.5	2.5	2.9	533	1.47	<5	1.6	4.7	9	<0.5	<0.5	<0.5	15	0.15
853041	Drill Core	3.80	5890	29.0	65.0	78.7	2267	1.8	103.6	8.4	134	1.97	30	8.0	3.1	90	21.9	32.7	<0.5	111	1.57
853042	Drill Core	6.10	6043	31.1	68.8	80.2	2142	2.1	98.0	8.8	116	2.25	36	7.9	2.7	78	20.9	35.5	<0.5	130	1.38
853043	Drill Core	4.93	3946	21.9	36.4	34.6	1557	0.7	58.4	4.8	104	1.03	14	6.1	2.1	60	16.2	11.5	<0.5	95	2.91
856351	Drill Core	5.22	10313	29.3	39.5	42.4	3324	1.8	110.5	9.3	242	2.19	37	7.2	5.1	222	39.6	26.1	<0.5	81	1.36
856352	Drill Core	4.11	10748	18.2	36.5	43.8	3620	1.8	81.7	7.9	292	2.24	20	5.0	5.9	224	41.1	19.7	<0.5	71	1.48
856353	Drill Core	4.42	11761	13.4	33.2	42.7	507	1.7	70.3	7.1	485	2.80	32	3.3	5.5	443	4.5	19.5	<0.5	55	2.95
856354	Drill Core	3.74	10490	27.3	67.7	98.3	265	3.7	110.1	8.0	793	4.26	70	4.7	4.9	391	3.1	41.1	<0.5	67	3.19
856355	Drill Core	4.21	12155	20.9	46.9	67.8	1176	2.7	88.7	7.3	349	3.37	43	3.8	5.8	195	11.2	26.0	<0.5	66	1.40
856356	Drill Core	4.94	14264	16.5	21.7	24.6	3059	1.2	67.3	8.0	312	2.14	14	3.8	5.6	320	25.0	9.8	<0.5	65	1.91
856357	Drill Core	4.12	15461	22.1	51.3	87.5	2356	3.5	115.4	7.9	683	4.55	56	3.6	4.9	274	20.6	27.1	<0.5	74	2.30
856358	Drill Core	2.13	24576	25.7	27.5	29.5	4761	1.8	104.4	9.7	274	2.12	20	5.3	6.2	183	38.5	11.6	<0.5	85	1.26
856359	Drill Core	3.88	17711	11.1	63.3	113.3	550	5.8	63.1	4.5	2730	8.87	63	2.0	2.1	724	4.3	29.5	<0.5	39	8.34

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Project: AKIE
Report Date: October 21, 2010

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CERTIFICATE OF ANALYSIS VAN10003986.2

	Method	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	7AR.1	G6	G6
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Pb	Au	Pt
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		%	gm/t	gm/t
	MDL	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0	0.01	0.01	0.01
853023	Drill Core	0.083	19.8	6.8	0.68	1204	0.004	0.39	<0.01	0.21	<0.5	0.11	3.5	2.2	2.69	<5	13	2.68		N.A.	N.A.
853024	Drill Core	0.032	14.9	6.0	0.28	484	0.002	0.37	<0.01	0.17	<0.5	0.15	2.7	5.4	4.01	<5	26	2.71		N.A.	N.A.
853025	Drill Core	0.016	19.3	6.5	0.41	1188	0.003	0.40	<0.01	0.21	<0.5	0.14	3.1	3.5	2.27	<5	20	2.68		N.A.	N.A.
853026	Drill Core	0.024	18.6	6.6	0.14	1509	0.003	0.44	<0.01	0.23	<0.5	0.28	2.5	2.5	1.93	<5	25	2.62		N.A.	N.A.
853027	Drill Core	0.015	10.0	6.0	0.58	757	0.002	0.30	<0.01	0.14	<0.5	0.14	3.8	2.9	2.44	<5	19	2.76		N.A.	N.A.
853028	Drill Core	0.020	15.1	6.6	0.35	616	0.002	0.39	<0.01	0.19	<0.5	0.19	3.4	4.5	3.21	<5	25	2.73		N.A.	N.A.
853029	Drill Core	0.018	9.8	6.9	0.17	1943	0.002	0.35	<0.01	0.17	<0.5	0.18	2.2	3.9	2.16	<5	24	2.63		N.A.	N.A.
853030	Rock Pulp	0.017	0.5	28.9	0.04	10	<0.001	0.05	<0.01	0.02	18.7	1.47	0.6	<0.5	3.79	<5	66	I.S.		N.A.	N.A.
853031	Drill Core	0.021	7.7	6.7	0.45	1038	0.002	0.36	<0.01	0.15	<0.5	0.26	4.6	2.9	2.89	<5	29	2.70		N.A.	N.A.
853032	Drill Core	0.005	3.3	9.6	0.02	915	0.001	0.21	<0.01	0.08	<0.5	0.23	1.8	3.0	1.77	<5	21	3.34		N.A.	N.A.
853033	Drill Core	0.007	3.1	7.7	0.02	522	0.001	0.19	<0.01	0.08	<0.5	0.37	2.4	4.9	3.11	<5	19	3.33		N.A.	N.A.
853034 DUP 853033 PLP	Drill Core	0.006	2.7	8.1	0.02	504	0.001	0.18	<0.01	0.07	<0.5	0.30	2.2	4.7	3.07	<5	24	3.34		N.A.	N.A.
853035	Drill Core	0.027	3.6	10.6	0.09	192	0.001	0.19	<0.01	0.08	<0.5	0.56	3.4	10.7	8.20	<5	13	3.13		N.A.	N.A.
853036	Drill Core	0.028	3.4	15.9	0.08	316	0.001	0.32	<0.01	0.10	<0.5	0.60	4.8	9.6	4.91	<5	15	2.93		N.A.	N.A.
853037	Drill Core	0.022	7.8	17.8	0.48	521	0.002	0.98	<0.01	0.14	<0.5	0.43	4.3	3.6	3.34	<5	15	2.60		N.A.	N.A.
853038	Drill Core	0.021	10.7	11.2	0.50	1300	0.002	0.42	<0.01	0.20	<0.5	0.35	3.9	2.6	3.27	<5	25	2.62		N.A.	N.A.
853039	Drill Core	0.021	14.9	8.8	0.53	1296	0.003	0.39	<0.01	0.21	<0.5	0.29	3.0	2.0	2.84	<5	29	2.63		N.A.	N.A.
853040	Rock Pulp	0.018	8.4	14.2	0.21	148	0.082	0.64	0.11	0.33	<0.5	<0.05	3.6	<0.5	<0.05	<5	<2	I.S.		N.A.	N.A.
853041	Drill Core	0.018	13.9	8.1	0.41	1291	0.002	0.40	<0.01	0.23	<0.5	0.29	2.2	2.3	2.48	<5	22	2.57		N.A.	N.A.
853042	Drill Core	0.014	13.2	8.8	0.51	1351	0.002	0.38	<0.01	0.21	<0.5	0.42	2.4	2.1	2.66	<5	26	2.59		N.A.	N.A.
853043	Drill Core	0.009	12.7	8.3	0.46	1096	0.002	0.39	0.02	0.15	<0.5	0.19	1.4	0.8	1.23	<5	9	2.51		N.A.	N.A.
856351	Drill Core	0.065	18.9	7.3	0.16	1201	0.004	0.47	<0.01	0.27	<0.5	0.31	2.3	2.7	2.61	<5	29	2.61		N.A.	N.A.
856352	Drill Core	0.073	19.8	7.7	0.26	993	0.005	0.49	<0.01	0.27	<0.5	0.44	2.3	2.7	2.60	<5	24	2.65		N.A.	N.A.
856353	Drill Core	0.059	20.2	7.2	0.52	1220	0.004	0.44	<0.01	0.26	<0.5	0.24	2.9	2.7	3.31	<5	19	2.69		N.A.	N.A.
856354	Drill Core	0.071	16.1	7.6	0.25	1302	0.005	0.44	<0.01	0.26	<0.5	0.51	2.6	5.9	5.20	<5	35	2.70		N.A.	N.A.
856355	Drill Core	0.066	18.1	8.8	0.15	1296	0.005	0.47	<0.01	0.26	<0.5	0.40	1.8	4.3	3.96	<5	16	2.66		N.A.	N.A.
856356	Drill Core	0.079	20.0	8.6	0.38	1183	0.005	0.46	<0.01	0.25	<0.5	0.21	2.5	1.8	2.58	<5	12	2.57		N.A.	N.A.
856357	Drill Core	0.066	15.8	9.6	0.24	971	0.005	0.45	<0.01	0.25	<0.5	0.55	2.0	6.1	5.20	<5	22	2.73		N.A.	N.A.
856358	Drill Core	0.121	20.9	13.8	0.24	2112	0.005	0.51	<0.01	0.28	<0.5	0.50	3.1	2.4	2.56	<5	16	2.56		N.A.	N.A.
856359	Drill Core	0.061	7.3	7.5	0.24	262	0.003	0.40	<0.01	0.12	<0.5	0.33	2.7	5.7	10.64	<5	12	2.91		N.A.	N.A.

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620-650 West Georgia Street
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Project: AKIE
Report Date: October 21, 2010

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CERTIFICATE OF ANALYSIS VAN10003986.2

	Method	G6	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
853023	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853024	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853025	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853026	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853027	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853028	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853029	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853030	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853031	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853032	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853033	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853034 DUP 853033 PLP	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853035	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853036	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853037	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853038	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853039	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853040	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853041	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853042	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853043	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856351	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856352	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856353	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856354	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856355	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856356	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856357	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856358	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856359	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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620-650 West Georgia Street
Vancouver BC V6B 4N9 Canada

Project: AKIE
Report Date: October 21, 2010

CERTIFICATE OF ANALYSIS VAN10003986.2

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
853023	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853024	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853025	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853026	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853027	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853028	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853029	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853030	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853031	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853032	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853033	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853034 DUP 853033 PLP	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853035	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853036	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853037	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853038	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853039	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853040	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853041	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853042	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853043	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856351	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856352	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856353	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856354	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856355	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856356	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856357	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856358	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856359	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

Client: **Canada Zinc Metals Corp.**
620-650 West Georgia Street
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Project: AKIE
Report Date: October 21, 2010

CERTIFICATE OF ANALYSIS VAN10003986.2

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
853023	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853024	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853025	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853026	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853027	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853028	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853029	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853030	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853031	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853032	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853033	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853034 DUP 853033 PLP	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853035	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853036	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853037	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853038	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853039	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853040	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853041	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853042	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853043	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856351	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856352	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856353	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856354	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856355	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856356	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856357	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856358	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856359	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Project: AKIE
Report Date: October 21, 2010

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CERTIFICATE OF ANALYSIS VAN10003986.2

	Method	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	10	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
856360	Rock Pulp	0.02	983	4.1	2748	12199	21272	26.8	11.2	11.3	801	3.43	11	<0.5	1.0	69	127.2	33.9	1.0	35	1.04
856361	Drill Core	2.81	43319	15.1	61.3	134.5	30	9.2	78.4	4.8	1245	7.35	91	2.6	2.6	461	0.6	31.0	<0.5	59	5.53
856362	Drill Core	4.48	119629	14.2	33.9	102.7	19	4.8	63.5	4.9	868	4.28	59	2.1	3.3	1179	<0.5	16.2	<0.5	93	6.13
856363	Drill Core	4.92	191034	10.4	29.4	114.0	14	3.1	60.5	4.0	410	3.59	43	2.0	3.5	1070	<0.5	10.4	<0.5	146	3.82
856364	Drill Core	4.33	164941	11.5	30.8	113.5	245	1.8	60.9	5.9	367	2.56	25	2.3	2.9	734	2.2	9.0	<0.5	125	5.58
856365	Drill Core	2.49	97243	34.9	31.3	111.0	3970	0.9	74.2	7.8	135	1.63	19	7.2	2.0	269	34.5	8.9	<0.5	114	1.82
856366	Drill Core	4.22	161439	15.1	24.3	104.4	131	0.7	42.0	7.2	276	2.08	16	3.9	3.2	903	1.0	7.0	<0.5	55	5.92
856367	Drill Core	4.39	144679	40.6	37.3	142.3	90	1.1	52.3	8.3	147	2.80	21	8.1	3.1	219	0.7	11.9	<0.5	78	1.55
856368	Drill Core	2.16	161856	45.1	32.6	144.6	850	0.9	96.9	8.4	136	2.18	22	10.9	2.7	183	7.0	14.1	<0.5	261	1.53
856369	Drill Core	3.84	75215	26.9	41.1	119.0	2145	1.0	93.0	7.3	135	1.79	18	8.3	3.5	68	15.9	15.2	<0.5	116	0.97
856370	Rock Pulp	0.02	1027	0.6	15.9	3.7	24	<0.5	1.8	2.5	553	1.58	<5	1.5	5.3	11	<0.5	<0.5	<0.5	14	0.16
856371	Drill Core	4.36	41870	26.3	33.2	113.2	2322	1.2	81.1	5.8	266	1.79	18	8.3	3.7	271	20.6	16.3	<0.5	104	4.44
856372	Drill Core	4.37	10874	29.2	39.4	125.0	637	1.3	95.5	7.7	196	1.91	22	8.7	4.1	236	5.9	20.4	<0.5	97	1.90
856373	Drill Core	3.93	8415	30.7	42.7	117.2	2280	1.5	106.2	8.5	162	1.82	23	9.1	4.7	337	23.4	25.4	<0.5	87	1.71
856374	Drill Core	4.73	4802	34.0	65.2	185.3	2281	3.2	109.6	8.6	114	2.36	39	10.5	4.4	81	24.6	35.0	<0.5	81	0.92
856375	Drill Core	4.20	2403	40.0	66.6	38.7	317	0.7	180.4	11.6	415	2.66	60	13.7	2.9	194	1.4	23.8	<0.5	59	3.30
856376	Drill Core	2.57	1742	139.9	522.8	255.1	30949	5.0	6662	131.2	189	8.01	861	55.8	2.8	331	28.6	128.5	1.8	159	4.13
856377	Drill Core	2.68	769	136.8	378.2	200.9	23249	3.8	5497	91.7	577	6.82	560	58.0	1.8	620	25.3	108.0	1.4	180	9.38
856378	Drill Core	3.88	2921	26.5	62.7	34.8	154	<0.5	129.7	15.6	167	2.48	57	8.5	4.5	91	<0.5	18.4	<0.5	77	1.30

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620-650 West Georgia Street
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Project: AKIE
Report Date: October 21, 2010

CERTIFICATE OF ANALYSIS VAN10003986.2

	Method	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	7AR.1	G6	G6
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Pb	Au	Pt
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		%	gm/t	gm/t
	MDL	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0	0.01	0.01	0.01
856360	Rock Pulp	0.075	8.9	23.1	1.38	194	0.107	1.89	0.05	0.23	<0.5	0.15	1.6	<0.5	1.94	<5	<2	I.S.		N.A.	N.A.
856361	Drill Core	0.112	10.5	11.2	0.54	323	0.003	1.29	<0.01	0.13	<0.5	0.45	2.5	8.4	7.63	<5	13	2.86		N.A.	N.A.
856362	Drill Core	0.108	14.7	19.3	0.27	936	0.004	1.83	<0.01	0.11	<0.5	0.19	4.5	4.9	2.85	<5	6	2.93		N.A.	N.A.
856363	Drill Core	0.139	15.8	28.4	0.39	4239	0.010	2.27	<0.01	0.08	<0.5	0.23	5.9	3.3	1.03	7	7	2.99		N.A.	N.A.
856364	Drill Core	0.098	13.4	21.8	0.35	5740	0.010	1.86	<0.01	0.11	<0.5	0.19	6.1	2.5	0.85	5	6	2.92		N.A.	N.A.
856365	Drill Core	0.040	8.8	12.8	0.22	11002	0.003	2.03	<0.01	0.11	<0.5	0.60	5.4	2.2	0.67	5	7	2.76		N.A.	N.A.
856366	Drill Core	0.049	12.1	12.8	0.48	17905	0.004	1.34	<0.01	0.11	<0.5	0.17	5.3	3.1	0.52	<5	<2	2.88		N.A.	N.A.
856367	Drill Core	0.055	11.1	18.3	0.33	4113	0.006	2.35	<0.01	0.18	<0.5	0.24	7.9	4.8	1.08	7	5	2.87		N.A.	N.A.
856368	Drill Core	0.047	11.3	23.6	0.42	31087	0.042	3.04	<0.01	0.13	<0.5	0.28	7.6	3.9	0.35	8	3	2.90		N.A.	N.A.
856369	Drill Core	0.051	18.3	11.0	0.34	5062	0.003	2.10	<0.01	0.17	<0.5	0.30	4.3	3.6	1.05	<5	7	2.72		N.A.	N.A.
856370	Rock Pulp	0.019	8.3	14.9	0.21	160	0.087	0.66	0.10	0.35	<0.5	<0.05	3.7	<0.5	<0.05	<5	<2	I.S.		N.A.	N.A.
856371	Drill Core	0.062	14.4	8.4	0.61	2316	0.003	0.95	<0.01	0.18	<0.5	0.37	3.4	3.7	1.76	<5	14	2.68		N.A.	N.A.
856372	Drill Core	0.053	14.8	8.5	0.46	1941	0.005	0.43	<0.01	0.25	<0.5	0.23	2.1	3.6	2.17	<5	14	2.63		N.A.	N.A.
856373	Drill Core	0.054	16.0	7.9	0.20	967	0.005	0.43	<0.01	0.25	<0.5	0.35	2.2	4.9	2.16	<5	11	2.62		N.A.	N.A.
856374	Drill Core	0.053	13.0	10.2	0.27	759	0.005	0.44	<0.01	0.25	<0.5	0.38	1.5	4.7	2.85	<5	33	2.62		N.A.	N.A.
856375	Drill Core	0.061	10.7	8.5	0.79	707	0.006	0.55	<0.01	0.34	<0.5	0.26	2.5	2.0	2.37	<5	13	2.32		0.04	<0.01
856376	Drill Core	0.774	22.1	10.3	0.37	413	0.010	0.54	<0.01	0.26	<0.5	2.35	2.3	30.7	10.60	5	229	2.81		0.13	0.02
856377	Drill Core	0.732	21.8	9.7	1.12	463	0.007	0.61	<0.01	0.14	<0.5	2.01	2.0	20.5	7.95	7	160	2.76		0.09	0.02
856378	Drill Core	0.046	16.5	9.4	0.26	441	0.009	0.76	<0.01	0.57	<0.5	0.17	3.2	1.7	2.35	<5	11	2.52		0.02	<0.01

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CERTIFICATE OF ANALYSIS VAN10003986.2

	Method	G6	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
856360	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856361	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856362	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856363	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856364	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856365	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856366	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856367	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856368	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856369	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856370	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856371	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856372	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856373	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856374	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856375	Drill Core	<0.01	35.29	59.99	34.51	273.8	481	149.1	10.9	362	2.32	51.9	13.1	4.8	2.4	162.9	0.94	19.80	0.25	52	3.00
856376	Drill Core	<0.01	128.2	503.0	244.6	>10000	4363	6515	126.4	179	7.55	875.0	55.6	<0.2	2.7	270.6	31.19	122.0	1.83	183	3.87
856377	Drill Core	<0.01	128.7	365.3	198.7	>10000	3244	5582	88.5	546	6.50	584.5	60.5	<0.2	1.7	537.3	29.36	102.1	1.43	187	8.70
856378	Drill Core	<0.01	24.01	59.37	32.65	144.7	406	124.8	14.3	148	2.21	50.9	8.1	<0.2	3.5	80.1	0.50	14.05	0.24	66	1.31

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Project: AKIE
Report Date: October 21, 2010

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CERTIFICATE OF ANALYSIS VAN10003986.2

	Method	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**
	Analyte	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**B**	**Al**	**Na**	**K**	**W**	**Sc**	**Tl**	**S**	**Hg**	**Se**	**Te**	**Ga**	**Cs**	**Ge**
	Unit	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**%**	**ppb**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**
	MDL	**0.001**	**0.5**	**0.5**	**0.01**	**0.5**	**0.001**	**1**	**0.01**	**0.001**	**0.01**	**0.1**	**0.1**	**0.02**	**0.02**	**5**	**0.1**	**0.02**	**0.1**	**0.02**	**0.1**
856360	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856361	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856362	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856363	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856364	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856365	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856366	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856367	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856368	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856369	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856370	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856371	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856372	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856373	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856374	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856375	Drill Core	0.058	3.2	8.2	0.70	60.2	0.003	11	0.54	0.003	0.25	<0.1	2.2	1.16	2.04	224	13.0	0.15	1.4	2.54	<0.1
856376	Drill Core	0.753	15.7	10.8	0.39	18.9	0.010	20	0.68	0.006	0.28	<0.1	2.0	26.47	8.43	2354	>100	1.69	5.6	2.22	0.4
856377	Drill Core	0.713	17.1	10.9	1.06	24.0	0.008	12	0.78	0.006	0.14	<0.1	2.0	17.30	5.85	1891	>100	0.97	7.2	1.66	0.3
856378	Drill Core	0.043	4.8	9.0	0.22	68.0	0.004	14	0.64	0.003	0.41	<0.1	3.1	0.91	2.08	140	12.8	0.15	1.8	4.31	<0.1

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Project: AKIE
Report Date: October 21, 2010

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CERTIFICATE OF ANALYSIS VAN10003986.2

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
856360	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856361	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856362	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856363	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856364	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856365	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856366	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856367	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856368	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856369	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856370	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856371	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856372	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856373	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856374	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856375	Drill Core	0.25	0.03	12.9	0.3	<0.05	11.9	11.05	6.4	0.02	94	0.5	10.3	<10	2
856376	Drill Core	0.33	0.11	13.2	1.5	<0.05	12.8	39.44	28.4	0.05	>1000	0.4	16.0	174	29
856377	Drill Core	0.06	0.09	7.9	1.4	<0.05	4.8	42.08	26.7	0.02	>1000	0.2	29.4	77	27
856378	Drill Core	0.29	<0.02	21.4	0.4	<0.05	12.8	8.64	8.8	0.02	63	0.3	7.1	<10	<2

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QUALITY CONTROL REPORT VAN10003986.2

	Method	**WGHT**	**4A**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**
	Analyte	**Wgt**	**Ba**	**Mo**	**Cu**	**Pb**	**Zn**	**Ag**	**Ni**	**Co**	**Mn**	**Fe**	**As**	**U**	**Th**	**Sr**	**Cd**	**Sb**	**Bi**	**V**	**Ca**
	Unit	**kg**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**
	MDL	**0.01**	**10**	**0.5**	**0.5**	**0.5**	**5**	**0.5**	**0.5**	**0.5**	**5**	**0.01**	**5**	**0.5**	**0.5**	**5**	**0.5**	**0.5**	**0.5**	**10**	**0.01**
Pulp Duplicates																					
REP G1	QC			<0.5	1.9	3.3	49	<0.5	3.4	4.6	704	2.10	<5	2.3	6.1	68	<0.5	<0.5	<0.5	38	0.51
851711	Rock Pulp	0.02	1013	0.8	14.4	3.1	27	<0.5	1.6	2.8	494	1.48	<5	1.6	4.8	9	<0.5	<0.5	<0.5	13	0.11
REP 851711	QC		1000																		
851739	Drill Core	1.78	8504	28.9	64.4	141.3	134	2.7	95.5	7.9	294	3.35	53	4.8	4.7	240	1.9	53.5	<0.5	61	1.73
REP 851739	QC		8579																		
851755	Drill Core	2.45	55303	21.8	60.2	238.2	2253	10.5	101.8	5.6	1050	8.00	131	2.5	2.6	203	22.0	48.0	<0.5	76	3.38
REP 851755	QC			20.5	60.5	230.6	2282	10.5	96.6	5.2	1061	7.96	130	2.4	2.4	220	23.3	47.8	<0.5	74	3.36
851798	Drill Core	4.23	13363	16.4	43.3	287.9	1282	7.4	79.6	5.3	1243	8.99	65	3.5	2.7	221	10.5	31.1	<0.5	82	5.48
REP 851798	QC			16.8	43.4	298.3	1280	7.1	80.9	5.1	1284	9.07	66	3.3	2.5	224	10.2	30.8	<0.5	84	5.44
853005	Drill Core	3.47	8598	25.9	46.1	291.0	1001	3.4	78.2	6.7	296	4.91	42	12.2	3.5	162	10.0	20.9	<0.5	49	2.09
REP 853005	QC		8736																		
REP 853013	QC			36.7	61.6	177.6	1681	3.1	104.5	9.7	652	5.27	42	4.7	11.7	399	20.2	21.3	<0.5	67	4.14
853016	Drill Core	4.33	11710	23.7	41.8	72.0	2036	2.2	89.7	8.1	235	2.55	27	3.6	4.5	198	22.2	15.5	<0.5	52	1.56
REP 853016	QC		11858																		
856361	Drill Core	2.81	43319	15.1	61.3	134.5	30	9.2	78.4	4.8	1245	7.35	91	2.6	2.6	461	0.6	31.0	<0.5	59	5.53
REP 856361	QC			14.8	61.9	135.2	27	8.5	78.8	5.6	1242	7.18	92	2.1	2.6	456	0.6	31.1	<0.5	61	5.67
856369	Drill Core	3.84	75215	26.9	41.1	119.0	2145	1.0	93.0	7.3	135	1.79	18	8.3	3.5	68	15.9	15.2	<0.5	116	0.97
REP 856369	QC		73935																		
856375	Drill Core	4.20	2403	40.0	66.6	38.7	317	0.7	180.4	11.6	415	2.66	60	13.7	2.9	194	1.4	23.8	<0.5	59	3.30
REP 856375	QC																				
Core Reject Duplicates																					
851710	Drill Core	1.85	3918	2.4	5.4	12.5	21	<0.5	9.6	1.1	150	0.87	<5	<0.5	0.7	262	<0.5	2.0	<0.5	12	2.04
DUP 851710	QC		4222	2.2	5.5	11.3	31	<0.5	9.1	1.1	142	0.82	<5	<0.5	0.5	258	<0.5	2.0	<0.5	12	1.98
851745	Drill Core	2.47	8565	29.8	77.5	189.3	700	2.9	101.5	7.7	185	3.57	51	5.7	4.9	145	9.2	62.9	<0.5	66	0.82
DUP 851745	QC		8181	31.6	77.4	190.7	718	2.9	99.4	7.9	191	3.55	53	6.2	5.1	146	9.7	65.1	<0.5	69	0.81
851780	Drill Core	4.89	41734	23.6	40.4	44.6	2850	1.1	91.7	6.7	243	1.66	17	5.5	4.6	181	41.7	18.6	<0.5	111	0.98
DUP 851780	QC		40705	22.3	41.1	46.2	2826	1.0	84.8	7.2	232	1.64	16	6.0	4.8	183	40.4	16.8	<0.5	111	0.95
853013	Drill Core	3.64	13317	36.6	63.4	180.5	1691	3.2	103.7	9.8	656	5.28	40	4.8	11.6	399	19.8	21.3	<0.5	74	4.18

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Report Date: October 21, 2010

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	Method	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	7AR.1	G6	G6
	Analyte	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**SG**	**Pb**	**Au**	**Pt**
	Unit	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**		**%**	**gm/t**	**gm/t**
	MDL	**0.001**	**0.5**	**0.5**	**0.01**	**5**	**0.001**	**0.01**	**0.01**	**0.01**	**0.5**	**0.05**	**0.5**	**0.5**	**0.05**	**5**	**2**	**0**	**0.01**	**0.01**	**0.01**
Pulp Duplicates																					
REP G1	QC	0.083	11.0	10.2	0.59	207	0.146	1.06	0.10	0.51	<0.5	0.06	2.1	<0.5	<0.05	<5	2				
851711	Rock Pulp	0.016	7.0	13.5	0.20	137	0.078	0.61	0.09	0.31	<0.5	<0.05	2.9	<0.5	<0.05	<5	<2	I.S.		N.A.	N.A.
REP 851711	QC																				
851739	Drill Core	0.073	18.0	7.3	0.10	1161	0.003	0.49	<0.01	0.28	<0.5	0.21	1.7	4.5	3.85	<5	41	2.62		N.A.	N.A.
REP 851739	QC																				
851755	Drill Core	0.058	10.2	11.4	0.23	329	0.004	1.87	<0.01	0.14	<0.5	0.71	4.4	10.6	8.55	<5	24	2.93		N.A.	N.A.
REP 851755	QC	0.059	10.3	10.4	0.23	407	0.003	1.80	<0.01	0.14	<0.5	0.77	4.5	10.5	8.46	<5	27				
851798	Drill Core	0.111	10.4	14.9	0.10	126	0.005	0.35	<0.01	0.17	<0.5	0.18	2.6	15.4	11.32	<5	15	2.87		N.A.	N.A.
REP 851798	QC	0.109	10.3	15.4	0.09	133	0.005	0.35	<0.01	0.17	<0.5	0.24	2.2	16.4	11.23	<5	19				
853005	Drill Core	0.015	14.6	6.2	0.08	572	0.003	0.37	<0.01	0.22	<0.5	0.22	1.8	6.1	6.14	<5	19	2.79		N.A.	N.A.
REP 853005	QC																				
REP 853013	QC	0.077	35.1	9.0	0.41	458	0.005	0.45	<0.01	0.24	<0.5	0.14	4.4	5.3	5.72	<5	21				
853016	Drill Core	0.033	17.9	7.9	0.26	1513	0.004	0.50	<0.01	0.26	<0.5	0.10	3.2	3.3	3.06	<5	17	2.68		N.A.	N.A.
REP 853016	QC																				
856361	Drill Core	0.112	10.5	11.2	0.54	323	0.003	1.29	<0.01	0.13	<0.5	0.45	2.5	8.4	7.63	<5	13	2.86		N.A.	N.A.
REP 856361	QC	0.107	10.6	11.5	0.51	323	0.003	1.30	<0.01	0.13	<0.5	0.44	3.4	8.5	7.84	<5	12				
856369	Drill Core	0.051	18.3	11.0	0.34	5062	0.003	2.10	<0.01	0.17	<0.5	0.30	4.3	3.6	1.05	<5	7	2.72		N.A.	N.A.
REP 856369	QC																				
856375	Drill Core	0.061	10.7	8.5	0.79	707	0.006	0.55	<0.01	0.34	<0.5	0.26	2.5	2.0	2.37	<5	13	2.32		0.04	<0.01
REP 856375	QC																				
Core Reject Duplicates																					
851710	Drill Core	0.016	2.5	17.1	0.18	2605	0.001	0.11	<0.01	0.07	<0.5	<0.05	<0.5	<0.5	0.42	<5	3	2.63		N.A.	N.A.
DUP 851710	QC	0.015	2.6	13.1	0.17	2609	0.001	0.12	<0.01	0.07	<0.5	<0.05	<0.5	<0.5	0.41	<5	4	2.62		N.A.	N.A.
851745	Drill Core	0.065	16.3	6.0	0.06	1275	0.003	0.43	<0.01	0.26	<0.5	0.39	1.0	5.2	4.07	<5	47	2.68		N.A.	N.A.
DUP 851745	QC	0.064	17.0	6.3	0.07	1423	0.005	0.50	<0.01	0.30	<0.5	0.39	3.5	5.4	4.18	<5	46	2.65		N.A.	N.A.
851780	Drill Core	0.044	16.3	11.5	0.26	1626	0.003	0.52	<0.01	0.22	<0.5	0.26	3.3	2.3	1.62	<5	21	2.66		N.A.	N.A.
DUP 851780	QC	0.043	15.8	10.7	0.26	1755	0.003	0.50	<0.01	0.22	<0.5	0.25	4.1	2.2	1.62	<5	18	2.67		N.A.	N.A.
853013	Drill Core	0.084	39.3	11.5	0.41	479	0.006	0.52	<0.01	0.26	<0.5	0.12	4.7	5.1	5.75	<5	21	2.74		N.A.	N.A.

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Report Date: October 21, 2010

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QUALITY CONTROL REPORT VAN10003986.2

Method		G6	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte		Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
Pulp Duplicates																					
REP G1	QC																				
851711	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 851711	QC																				
851739	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 851739	QC																				
851755	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 851755	QC																				
851798	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 851798	QC																				
853005	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 853005	QC																				
REP 853013	QC																				
853016	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 853016	QC																				
856361	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 856361	QC																				
856369	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 856369	QC																				
856375	Drill Core	<0.01	35.29	59.99	34.51	273.8	481	149.1	10.9	362	2.32	51.9	13.1	4.8	2.4	162.9	0.94	19.80	0.25	52	3.00
REP 856375	QC		36.85	62.69	37.78	276.2	517	158.0	11.7	380	2.41	54.8	14.2	<0.2	2.5	171.8	0.97	20.33	0.23	55	3.13
Core Reject Duplicates																					
851710	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 851710	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851745	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 851745	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851780	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 851780	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853013	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Report Date: October 21, 2010

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	Method	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**	**1F15**
	Analyte	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**B**	**Al**	**Na**	**K**	**W**	**Sc**	**Tl**	**S**	**Hg**	**Se**	**Te**	**Ga**	**Cs**	**Ge**
	Unit	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**%**	**ppb**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**
	MDL	**0.001**	**0.5**	**0.5**	**0.01**	**0.5**	**0.001**	**1**	**0.01**	**0.001**	**0.01**	**0.1**	**0.1**	**0.02**	**0.02**	**5**	**0.1**	**0.02**	**0.1**	**0.02**	**0.1**
Pulp Duplicates																					
REP G1	QC																				
851711	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 851711	QC																				
851739	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 851739	QC																				
851755	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 851755	QC																				
851798	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 851798	QC																				
853005	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 853005	QC																				
REP 853013	QC																				
853016	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 853016	QC																				
856361	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 856361	QC																				
856369	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 856369	QC																				
856375	Drill Core	0.058	3.2	8.2	0.70	60.2	0.003	11	0.54	0.003	0.25	<0.1	2.2	1.16	2.04	224	13.0	0.15	1.4	2.54	<0.1
REP 856375	QC	0.064	3.4	8.2	0.72	61.1	0.003	12	0.56	0.004	0.26	<0.1	2.2	1.21	2.11	194	14.0	0.15	1.4	2.68	<0.1
Core Reject Duplicates																					
851710	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 851710	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851745	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 851745	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851780	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 851780	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853013	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Project: AKIE
Report Date: October 21, 2010

QUALITY CONTROL REPORT VAN10003986.2

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
Pulp Duplicates															
REP G1	QC														
851711	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 851711	QC														
851739	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 851739	QC														
851755	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 851755	QC														
851798	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 851798	QC														
853005	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 853005	QC														
REP 853013	QC														
853016	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 853016	QC														
856361	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 856361	QC														
856369	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 856369	QC														
856375	Drill Core	0.25	0.03	12.9	0.3	<0.05	11.9	11.05	6.4	0.02	94	0.5	10.3	<10	2
REP 856375	QC	0.31	0.02	13.3	0.3	<0.05	12.2	11.35	6.9	<0.02	105	0.3	11.2	<10	3
Core Reject Duplicates															
851710	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 851710	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851745	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 851745	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
851780	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 851780	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
853013	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Client: **Canada Zinc Metals Corp.**
620-650 West Georgia Street
Vancouver BC V6B 4N9 Canada

Project: AKIE
Report Date: October 21, 2010

QUALITY CONTROL REPORT VAN10003986.2

		WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
		Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	10	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
DUP 853013	QC		13884	37.6	63.0	186.5	1791	3.3	113.9	10.1	682	5.38	43	5.0	11.9	422	22.7	22.6	<0.5	69	4.32
856355	Drill Core	4.21	12155	20.9	46.9	67.8	1176	2.7	88.7	7.3	349	3.37	43	3.8	5.8	195	11.2	26.0	<0.5	66	1.40
DUP 856355	QC		12100	21.1	51.7	67.7	1217	2.7	87.1	6.9	362	3.39	46	3.8	5.8	199	12.7	25.8	<0.5	64	1.44
Reference Materials																					
STD CCU-1C	Standard																				
STD CZN-3	Standard																				
STD DS7	Standard																				
STD GBM997-6	Standard																				
STD PD1	Standard																				
STD PD1	Standard																				
STD PTC-1A	Standard																				
STD SF-3A	Standard			299.7	7556	8633	10672	52.6	3408	180.5	4120	7.74	48	3.2	2.9	55	49.6	10.0	5.0	107	2.60
STD SF-3A	Standard			301.5	7555	8693	10530	53.9	3380	179.1	4064	7.69	45	3.1	2.7	55	46.6	9.5	5.0	106	2.60
STD SF-3A	Standard			304.9	7669	8761	10569	51.5	3398	180.9	4173	7.75	44	3.4	3.2	55	47.9	9.9	5.0	107	2.59
STD SF-3A	Standard			300.5	7492	8496	10597	52.7	3429	177.1	4110	7.67	44	3.3	3.0	55	46.6	10.2	4.7	107	2.61
STD SF-3A	Standard			306.5	7796	8762	10733	54.1	3403	183.7	4118	7.68	43	3.2	2.8	53	48.7	9.3	5.1	105	2.62
STD SF-3A	Standard			302.9	7700	8645	10543	52.7	3384	181.4	4127	7.65	42	3.3	2.7	54	48.9	9.1	4.7	105	2.59
STD SF-3A	Standard			314.9	7708	8892	10734	52.6	3436	183.7	4195	7.79	46	3.1	2.9	53	47.7	9.4	5.1	111	2.62
STD SF-3A	Standard			313.8	7840	8987	10716	54.2	3443	187.2	4199	7.82	43	3.3	2.8	53	50.2	9.6	4.9	113	2.62
STD SF-3A	Standard			271.2	7664	8684	10496	53.0	3383	179.2	4106	7.73	42	3.2	2.8	52	50.1	9.4	4.6	105	2.55
STD SF-3A	Standard			271.3	7735	8744	10582	54.8	3432	179.1	4081	7.75	44	3.2	2.6	52	50.6	9.5	4.7	104	2.55
STD SO-18	Standard		525																		
STD SO-18	Standard		516																		
STD SO-18	Standard		517																		
STD SO-18	Standard		529																		
STD SO-18	Standard		561																		
STD SO-18	Standard		557																		
STD SO-18	Standard		529																		
STD SO-18	Standard		518																		

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Vancouver BC V6B 4N9 Canada

Project: AKIE
Report Date: October 21, 2010

QUALITY CONTROL REPORT VAN10003986.2

		7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	7AR.1	G6	G6
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Pb	Au	Pt
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		%	gm/t	gm/t
		0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0	0.01	0.01	0.01
DUP 853013	QC	0.084	38.1	9.1	0.40	429	0.005	0.47	<0.01	0.24	<0.5	0.13	4.9	5.9	5.91	<5	22	2.76		N.A.	N.A.
856355	Drill Core	0.066	18.1	8.8	0.15	1296	0.005	0.47	<0.01	0.26	<0.5	0.40	1.8	4.3	3.96	<5	16	2.66		N.A.	N.A.
DUP 856355	QC	0.070	18.9	9.1	0.14	1305	0.005	0.48	<0.01	0.27	<0.5	0.42	2.3	4.4	4.13	<5	18	2.67		N.A.	N.A.
Reference Materials																					
STD CCU-1C	Standard																		0.40		
STD CZN-3	Standard																		0.18		
STD DS7	Standard																				
STD GBM997-6	Standard																		24.45		
STD PD1	Standard																			0.53	0.45
STD PD1	Standard																			0.52	0.44
STD PTC-1A	Standard																		0.06		
STD SF-3A	Standard	0.054	8.4	168.0	4.19	266	0.113	1.02	0.50	1.04	3.2	0.49	2.5	2.7	5.41	<5	4				
STD SF-3A	Standard	0.055	8.5	167.2	4.13	278	0.114	1.01	0.49	1.02	3.0	0.55	3.0	2.5	5.44	<5	5				
STD SF-3A	Standard	0.055	8.8	168.5	4.27	276	0.116	1.03	0.49	1.02	3.3	0.64	3.1	2.8	5.30	<5	4				
STD SF-3A	Standard	0.055	8.8	167.8	4.25	273	0.116	1.00	0.49	1.03	3.0	0.61	3.1	2.7	5.47	<5	9				
STD SF-3A	Standard	0.055	8.5	171.9	4.19	266	0.111	1.03	0.50	1.01	3.2	0.60	3.0	2.8	5.59	<5	8				
STD SF-3A	Standard	0.055	8.3	171.7	4.24	265	0.114	1.03	0.50	1.01	3.4	0.59	3.2	2.7	5.55	<5	10				
STD SF-3A	Standard	0.054	8.7	174.3	4.32	268	0.119	1.05	0.55	1.02	3.2	0.61	3.1	2.7	5.26	<5	7				
STD SF-3A	Standard	0.054	8.6	176.2	4.31	278	0.117	1.04	0.56	1.02	3.2	0.58	3.2	2.6	5.33	<5	8				
STD SF-3A	Standard	0.054	8.3	169.9	4.21	263	0.111	1.00	0.50	1.03	3.3	0.60	2.9	2.7	4.89	<5	10				
STD SF-3A	Standard	0.057	8.3	165.1	4.20	266	0.111	1.00	0.50	1.04	3.0	0.64	2.9	2.6	5.02	<5	9				
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SO-18	Standard																				
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Report Date: October 21, 2010

QUALITY CONTROL REPORT VAN10003986.2

		G6	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
DUP 853013	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856355	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 856355	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Reference Materials																					
STD CCU-1C	Standard																				
STD CZN-3	Standard																				
STD DS7	Standard		21.26	115.4	70.59	389.3	1004	58.6	9.9	615	2.41	49.4	5.1	82.0	4.9	71.7	6.49	6.04	4.63	81	0.99
STD GBM997-6	Standard																				
STD PD1	Standard	0.55																			
STD PD1	Standard	0.55																			
STD PTC-1A	Standard																				
STD SF-3A	Standard																				
STD SF-3A	Standard																				
STD SF-3A	Standard																				
STD SF-3A	Standard																				
STD SF-3A	Standard																				
STD SF-3A	Standard																				
STD SF-3A	Standard																				
STD SF-3A	Standard																				
STD SF-3A	Standard																				
STD SF-3A	Standard																				
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SO-18	Standard																				

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		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
DUP 853013	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856355	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 856355	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Reference Materials																					
STD CCU-1C	Standard																				
STD CZN-3	Standard																				
STD DS7	Standard	0.085	14.9	208.5	1.07	398.7	0.133	35	1.07	0.094	0.47	3.7	2.9	4.19	0.19	217	3.3	1.27	4.9	6.71	0.1
STD GBM997-6	Standard																				
STD PD1	Standard																				
STD PD1	Standard																				
STD PTC-1A	Standard																				
STD SF-3A	Standard																				
STD SF-3A	Standard																				
STD SF-3A	Standard																				
STD SF-3A	Standard																				
STD SF-3A	Standard																				
STD SF-3A	Standard																				
STD SF-3A	Standard																				
STD SF-3A	Standard																				
STD SF-3A	Standard																				
STD SF-3A	Standard																				
STD SO-18	Standard																				
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STD SO-18	Standard																				
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		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
DUP 853013	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
856355	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 856355	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Reference Materials															
STD CCU-1C	Standard														
STD CZN-3	Standard														
STD DS7	Standard	0.13	0.79	39.5	5.1	<0.05	5.9	6.86	42.0	1.66	<1	1.5	24.9	52	40
STD GBM997-6	Standard														
STD PD1	Standard														
STD PD1	Standard														
STD PTC-1A	Standard														
STD SF-3A	Standard														
STD SF-3A	Standard														
STD SF-3A	Standard														
STD SF-3A	Standard														
STD SF-3A	Standard														
STD SF-3A	Standard														
STD SF-3A	Standard														
STD SF-3A	Standard														
STD SF-3A	Standard														
STD SF-3A	Standard														
STD SO-18	Standard														
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		WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
		Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	10	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
STD SO-18	Standard		527																		
STD SO-18	Standard		524																		
STD SO-18 Expected			515																		
STD CZN-3 Expected																					
STD PTC-1A Expected																					
STD CCU-1C Expected																					
STD GBM997-6 Expected																					
STD SF-3A Expected				308	7705	9625	10628	54	3365	183	4247	7.91	46	3.3	2.8	50	45	10	4.6	102	2.59
STD DS7 Expected																					
STD PD1 Expected																					
BLK	Blank		<10																		
BLK	Blank		<10																		
BLK	Blank			<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank			<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank		<10																		
BLK	Blank			<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank			<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank		<10																		
BLK	Blank		<10																		
BLK	Blank																				
BLK	Blank			<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	<0.01	1007																		
G1	Prep Blank	<0.01	1027	<0.5	2.0	3.1	52	<0.5	3.2	4.5	679	2.11	<5	2.4	6.4	69	<0.5	<0.5	<0.5	38	0.53
G1	Prep Blank			<0.5	2.0	3.3	49	<0.5	3.2	4.5	673	2.11	<5	2.0	5.4	62	<0.5	<0.5	<0.5	37	0.51

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620-650 West Georgia Street
Vancouver BC V6B 4N9 Canada

Project: AKIE
Report Date: October 21, 2010

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QUALITY CONTROL REPORT VAN10003986.2

		7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	7AR.1	G6	G6
		P	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**SG**	**Pb**	**Au**	**Pt**
		%	**ppm**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**		**%**	**gm/t**	**gm/t**
		0.001	**0.5**	**0.5**	**0.01**	**5**	**0.001**	**0.01**	**0.01**	**0.01**	**0.5**	**0.05**	**0.5**	**0.5**	**0.05**	**5**	**2**	**0**	**0.01**	**0.01**	**0.01**
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SO-18 Expected																					
STD CZN-3 Expected																			0.113		
STD PTC-1A Expected																			0.05		
STD CCU-1C Expected																			0.34		
STD GBM997-6 Expected																			24.9095		
STD SF-3A Expected		0.054	8.3	167	4.27	260	0.117	1	0.47	0.99	3.2	0.6	3	2.7	4.2	4	10				
STD DS7 Expected																					
STD PD1 Expected																				0.542	0.456
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2				
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2				
BLK	Blank																				
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2				
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																		<0.01		
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2				
BLK	Blank																				
BLK	Blank																			<0.01	<0.01
BLK	Blank																			<0.01	<0.01
Prep Wash																					
G1	Prep Blank																	2.64		N.A.	N.A.
G1	Prep Blank	0.082	11.3	8.8	0.57	207	0.141	1.03	0.09	0.52	<0.5	<0.05	2.3	<0.5	<0.05	6	2	2.67		N.A.	N.A.
G1	Prep Blank	0.080	11.5	38.4	0.55	198	0.141	1.02	0.10	0.49	<0.5	0.12	2.1	<0.5	<0.05	5	<2				

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620-650 West Georgia Street
Vancouver BC V6B 4N9 Canada

Project: AKIE
Report Date: October 21, 2010

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QUALITY CONTROL REPORT VAN10003986.2

		G6	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SO-18 Expected																					
STD CZN-3 Expected																					
STD PTC-1A Expected																					
STD CCU-1C Expected																					
STD GBM997-6 Expected																					
STD SF-3A Expected																					
STD DS7 Expected			20.5	109	70.6	411	890	56	9.7	627	2.39	48.2	4.9	70	4.4	68.7	6.38	4.6	4.51	84	0.93
STD PD1 Expected		0.563																			
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank		<0.01	<0.01	<0.01	3.6	<2	0.8	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank	<0.01																			
BLK	Blank	<0.01																			
Prep Wash																					
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
G1	Prep Blank																				

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Vancouver BC V6B 4N9 Canada

Project: AKIE
Report Date: October 21, 2010

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QUALITY CONTROL REPORT VAN10003986.2

		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SO-18 Expected																					
STD CZN-3 Expected																					
STD PTC-1A Expected																					
STD CCU-1C Expected																					
STD GBM997-6 Expected																					
STD SF-3A Expected																					
STD DS7 Expected		0.08	11.7	179	1.05	410	0.124	38.6	0.959	0.089	0.44	3.4	2.5	4.19	0.19	200	3.5	1.08	4.6	6.36	0.1
STD PD1 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
G1	Prep Blank																				

Client: **Canada Zinc Metals Corp.**
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Project: AKIE
Report Date: October 21, 2010

QUALITY CONTROL REPORT VAN10003986.2

		1F15 Hf ppm 0.02	1F15 Nb ppm 0.02	1F15 Rb ppm 0.1	1F15 Sn ppm 0.1	1F15 Ta ppm 0.05	1F15 Zr ppm 0.1	1F15 Y ppm 0.01	1F15 Ce ppm 0.1	1F15 In ppm 0.02	1F15 Re ppb 1	1F15 Be ppm 0.1	1F15 Li ppm 0.1	1F15 Pd ppb 10	1F15 Pt ppb 2
STD SO-18	Standard														
STD SO-18	Standard														
STD SO-18 Expected															
STD CZN-3 Expected															
STD PTC-1A Expected															
STD CCU-1C Expected															
STD GBM997-6 Expected															
STD SF-3A Expected															
STD DS7 Expected		0.11	0.71	35.8	4.61		5.4	5.18	36	1.57	4	1.6	29.3	58	37
STD PD1 Expected															
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank														
BLK	Blank														
Prep Wash															
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
G1	Prep Blank														

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Submitted By: Nick Johnson
Receiving Lab: Canada-Vancouver
Received: September 23, 2010
Report Date: October 18, 2010
Page: 1 of 5

CERTIFICATE OF ANALYSIS VAN10004866.2

CLIENT JOB INFORMATION

Project: AKIE
Shipment ID:
P.O. Number
Number of Samples: 95

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	86	Crush split and pulverize 250g drill core to 200 mesh			VAN
4A	95	LiBO2/LiB4O7 fusion ICP-ES analysis	0.2	Completed	VAN
7AX1	95	1:1:1 Aqua Regia digestion ICP-ES/ICP-MS analysis	1	Completed	VAN
G812	89	Specific Gravity on Pulp		Completed	VAN
7AR.1	2	1:1:1 Aqua Regia Digestion ICP-ES Finish	0.1	Completed	VAN

ADDITIONAL COMMENTS

Version 2: Qualitative data for 4A01 Ba only

Invoice To: Canada Zinc Metals Corp.
620-650 West Georgia Street
Vancouver BC V6B 4N9
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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Project: AKIE
Report Date: October 18, 2010

Page: 2 of 5 Part 1

CERTIFICATE OF ANALYSIS VAN10004866.2

	Method	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	5	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
856379	Drill Core	1.07	14976	20.8	90.6	>40000	174821	40.4	55.8	2.8	647	10.28	34	1.9	1.2	120	2194	86.0	<0.5	33	2.10
856380	Rock Pulp	0.06	978	0.6	13.8	13.8	56	<0.5	1.7	3.1	544	1.51	<5	1.5	4.7	12	<0.5	<0.5	<0.5	13	0.15
856381	Drill Core	2.60	14971	36.6	65.4	5947	20897	15.8	90.5	5.7	443	6.57	47	3.2	2.7	154	232.2	33.1	<0.5	55	1.92
856382	Drill Core	2.12	17509	20.7	48.8	1668	5106	7.9	73.3	6.1	184	4.50	29	2.3	1.6	150	47.1	11.8	<0.5	109	0.95
856383	Drill Core	2.63	80687	18.9	35.9	2022	8093	5.2	76.9	5.5	244	3.14	21	2.5	2.2	181	68.2	8.9	<0.5	74	1.35
856384	Drill Core	2.55	18596	14.8	41.2	581.3	3703	4.6	70.4	7.6	114	3.22	27	1.8	4.7	157	36.7	7.3	<0.5	56	0.87
856385	Drill Core	2.14	15631	9.8	34.0	127.7	1284	2.1	64.1	7.8	118	2.20	23	1.9	7.3	184	14.1	3.7	<0.5	43	1.19
856386	Drill Core	2.74	26987	14.7	41.6	45.4	197	2.3	73.8	8.0	138	3.08	38	2.9	6.4	380	1.9	5.4	<0.5	49	2.02
856387	Drill Core	2.14	24304	16.4	40.9	26.6	898	1.3	71.3	9.0	211	2.19	25	3.4	4.9	362	9.0	3.9	<0.5	40	3.56
856388	Drill Core	2.42	31716	12.5	47.0	37.8	82	2.9	76.7	8.8	88	3.51	52	2.3	5.5	207	0.8	5.8	<0.5	43	1.08
856389	Drill Core	2.27	33222	18.3	41.2	33.1	455	3.0	83.8	8.5	98	3.20	46	2.6	5.1	230	5.8	5.4	<0.5	42	1.23
856390 DUP 856389	Drill Core		31919	19.1	42.1	38.1	488	3.2	87.5	9.1	100	3.28	48	3.0	5.7	259	6.3	6.5	<0.5	49	1.23
856391	Drill Core	2.24	30301	20.1	49.0	35.2	104	2.9	81.3	10.3	156	3.78	49	4.5	5.4	362	1.4	7.0	<0.5	37	1.83
856392	Drill Core	2.38	23988	10.5	33.0	12.2	71	1.4	61.5	7.7	62	1.88	20	1.9	6.0	174	0.9	3.4	<0.5	48	0.89
856393	Drill Core	2.25	34378	21.4	48.9	23.7	689	3.0	90.8	8.8	89	3.42	53	3.9	4.8	491	8.8	7.1	<0.5	39	2.28
856394	Drill Core	2.26	34226	15.4	46.0	20.9	200	2.4	83.4	7.8	111	3.33	48	2.3	5.5	216	2.4	6.5	<0.5	45	1.23
856395	Drill Core	2.10	35399	17.3	44.5	22.8	351	2.4	80.0	7.4	86	3.36	47	2.5	4.5	336	4.3	6.9	<0.5	41	1.21
856396	Drill Core	2.11	17868	17.4	37.2	13.2	734	1.3	82.4	8.3	70	1.99	22	2.9	5.5	187	8.7	5.1	<0.5	50	0.92
856397	Drill Core	2.37	22201	17.7	46.9	21.9	500	1.8	77.1	8.6	127	3.08	39	3.4	5.2	313	6.8	7.1	<0.5	47	1.75
856398	Drill Core	2.10	17561	11.1	33.7	19.8	97	1.4	66.8	8.5	131	2.84	32	1.7	7.2	404	1.4	7.0	<0.5	41	2.05
856399	Drill Core	2.62	29281	25.2	52.5	214.4	5827	2.1	87.0	7.6	283	5.90	39	4.6	4.3	456	33.4	14.4	<0.5	68	1.64
856400	Rock Pulp	0.06	1064	7.1	6871	>40000	68547	70.6	9.4	10.7	931	4.91	98	1.0	2.7	16	222.1	425.9	3.3	15	0.21
853051	Drill Core	2.09	20617	39.6	24.9	160.9	7778	1.2	103.3	9.5	141	3.48	29	6.5	4.9	275	41.6	6.4	<0.5	91	0.92
853052	Drill Core	2.34	18866	20.3	40.7	856.1	4974	3.2	73.0	5.7	253	10.85	59	1.9	3.1	262	26.5	13.6	<0.5	47	0.96
853053	Drill Core	2.00	18535	9.8	12.7	87.2	2169	<0.5	61.5	8.3	263	2.86	11	1.7	6.3	344	11.9	2.4	<0.5	44	0.99
853054	Drill Core	1.96	14810	23.1	39.7	1539	21630	5.1	75.4	5.9	278	12.46	62	1.8	1.8	157	86.7	13.4	<0.5	49	0.63
853055	Drill Core	2.47	19074	18.9	35.3	1240	11535	5.0	54.6	3.0	374	10.53	58	1.5	1.0	273	50.7	15.2	<0.5	32	1.87
853056	Drill Core	2.69	20491	35.0	49.2	557.0	8703	3.6	114.6	9.4	97	4.49	36	6.7	4.7	232	47.4	8.6	<0.5	100	0.98
853057	Drill Core	2.31	17754	27.4	67.5	1704	28802	6.5	88.8	6.3	254	8.97	54	3.7	2.7	442	139.3	19.4	<0.5	63	1.36
853058	Drill Core	1.66	32338	23.6	76.5	3060	30941	8.5	84.4	5.8	397	11.42	65	2.3	2.5	502	162.0	21.2	<0.5	48	1.63

CERTIFICATE OF ANALYSIS VAN10004866.2

	Method	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**G8SG**	**7AR.1**
	Analyte	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**SG**	**Pb**
	Unit	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**		**%**
	MDL	**0.001**	**0.5**	**0.5**	**0.01**	**5**	**0.001**	**0.01**	**0.01**	**0.01**	**0.5**	**0.05**	**0.5**	**0.5**	**0.05**	**5**	**2**	**0**	**0.01**
856379	Drill Core	0.005	1.9	4.8	0.08	70	0.001	0.18	0.02	0.07	0.8	8.72	1.2	179.6	22.04	10	60	3.24	7.39
856380	Rock Pulp	0.019	8.3	13.9	0.22	148	0.082	0.67	0.12	0.36	<0.5	<0.05	3.8	<0.5	<0.05	<5	<2	I.S.	
856381	Drill Core	0.012	4.3	5.2	0.13	322	0.003	0.31	0.02	0.18	0.9	1.11	2.0	58.2	9.06	<5	36	2.76	
856382	Drill Core	0.019	2.2	13.6	0.10	473	0.004	0.84	0.04	0.35	1.0	0.41	3.0	27.8	5.68	<5	16	2.57	
856383	Drill Core	0.019	11.6	8.9	0.30	598	0.002	0.54	0.09	0.20	1.5	0.69	3.0	15.3	4.16	<5	14	2.77	
856384	Drill Core	0.060	15.8	10.3	0.17	958	0.004	0.67	0.02	0.29	<0.5	0.28	2.6	16.1	3.90	<5	11	2.53	
856385	Drill Core	0.079	27.1	9.3	0.31	2466	0.005	0.69	<0.01	0.31	<0.5	0.10	3.2	4.2	2.47	<5	6	2.65	
856386	Drill Core	0.082	25.2	8.6	0.46	1525	0.005	1.11	<0.01	0.29	<0.5	0.10	3.2	3.0	3.04	<5	6	2.55	
856387	Drill Core	0.079	20.0	7.9	0.36	3177	0.004	1.07	<0.01	0.22	<0.5	0.08	2.9	2.2	2.00	<5	5	2.54	
856388	Drill Core	0.073	23.8	9.7	0.25	1103	0.005	1.39	<0.01	0.26	<0.5	0.11	3.3	3.5	3.53	<5	8	2.59	
856389	Drill Core	0.100	22.6	10.3	0.27	1587	0.004	1.37	<0.01	0.22	<0.5	0.12	3.4	3.5	3.14	<5	8	2.52	
856390 DUP 856389	Drill Core	0.101	24.8	12.1	0.27	1755	0.005	1.45	<0.01	0.25	<0.5	0.13	2.8	4.0	3.24	<5	9	2.48	
856391	Drill Core	0.076	23.4	7.6	0.43	1068	0.004	1.21	<0.01	0.22	<0.5	0.11	3.8	3.9	3.86	<5	8	2.61	
856392	Drill Core	0.080	25.7	11.1	0.17	5153	0.005	1.16	<0.01	0.30	<0.5	0.10	2.7	2.5	1.86	<5	6	2.51	
856393	Drill Core	0.086	21.9	8.2	0.16	1201	0.004	1.21	<0.01	0.20	<0.5	0.14	3.1	4.4	3.53	<5	8	2.50	
856394	Drill Core	0.073	23.6	10.6	0.35	1314	0.005	1.33	<0.01	0.24	<0.5	0.11	3.2	4.4	3.34	<5	8	2.51	
856395	Drill Core	0.071	20.2	8.7	0.22	1084	0.004	0.98	<0.01	0.19	<0.5	0.13	2.6	4.0	3.40	<5	9	2.51	
856396	Drill Core	0.073	24.7	9.2	0.19	2933	0.005	0.86	<0.01	0.25	<0.5	0.08	2.3	2.9	2.18	<5	7	2.43	
856397	Drill Core	0.067	22.9	8.6	0.36	1126	0.005	0.86	<0.01	0.22	<0.5	0.14	2.6	4.1	3.38	<5	7	2.51	
856398	Drill Core	0.078	30.8	6.6	0.52	2455	0.006	0.59	<0.01	0.25	<0.5	0.09	3.0	4.9	3.26	<5	7	2.58	
856399	Drill Core	0.112	15.6	12.8	0.46	518	0.004	0.40	<0.01	0.18	<0.5	0.71	3.0	7.3	7.01	<5	14	2.71	
856400	Rock Pulp	0.020	5.4	11.0	0.25	464	0.084	0.58	0.09	0.36	2.5	8.96	3.4	38.7	4.96	<5	9	I.S.	6.04
853051	Drill Core	0.170	16.7	11.9	0.16	857	0.006	0.53	<0.01	0.25	<0.5	0.87	1.9	6.9	4.30	<5	13	2.60	
853052	Drill Core	0.059	7.4	9.9	0.22	229	0.004	0.56	<0.01	0.23	<0.5	0.73	2.2	19.5	12.97	<5	13	2.89	
853053	Drill Core	0.073	7.5	7.7	0.38	1770	0.004	0.53	<0.01	0.32	<0.5	0.14	3.0	3.7	3.28	<5	7	2.58	
853054	Drill Core	0.049	4.6	12.0	0.14	175	0.004	1.01	<0.01	0.19	<0.5	0.83	2.2	47.8	15.52	<5	15	2.99	
853055	Drill Core	0.031	2.4	11.7	0.36	395	0.002	0.27	<0.01	0.08	<0.5	0.43	1.1	37.8	12.56	<5	12	2.90	
853056	Drill Core	0.131	3.5	13.6	0.09	776	0.005	0.55	<0.01	0.29	<0.5	0.25	1.7	17.0	5.47	<5	18	2.57	
853057	Drill Core	0.073	4.2	10.0	0.15	226	0.004	0.38	<0.01	0.18	0.5	0.67	1.6	54.9	11.82	<5	18	2.83	
853058	Drill Core	0.049	5.4	8.8	0.36	270	0.004	0.61	<0.01	0.17	0.6	0.68	2.6	80.0	14.79	<5	18	2.95	

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Report Date: October 18, 2010

CERTIFICATE OF ANALYSIS VAN10004866.2

	Method	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	5	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
853059	Drill Core	2.32	18741	10.3	14.1	498.5	1640	0.6	69.8	8.4	140	1.89	12	2.0	5.8	262	9.1	2.0	<0.5	46	0.80
853060	Rock Pulp	0.06	1012	0.7	17.1	3.0	41	<0.5	2.2	2.7	541	1.50	<5	1.6	4.6	11	<0.5	<0.5	<0.5	12	0.15
853061	Drill Core	1.34	41935	9.8	17.9	582.5	1807	0.9	67.2	7.9	289	1.85	13	1.8	4.8	761	9.8	2.0	<0.5	46	2.32
853062	Drill Core	2.48	58712	29.0	47.9	8256	65499	12.7	69.2	3.1	473	16.54	74	2.1	0.7	245	320.3	15.3	<0.5	52	0.82
853063	Drill Core	2.89	75566	19.2	33.3	9803	76730	9.0	62.1	3.2	522	11.33	48	2.0	0.6	895	369.0	10.1	<0.5	39	2.46
853064	Drill Core	2.30	28167	19.8	38.7	6832	49285	7.4	74.4	5.0	340	9.78	47	2.2	1.4	607	253.3	9.3	<0.5	45	0.88
853065	Drill Core	2.49	68295	26.4	34.3	8253	61251	11.9	72.7	3.4	572	14.47	68	2.5	0.7	804	303.7	13.0	<0.5	58	2.36
853066	Drill Core	2.35	70178	16.1	35.2	11225	79540	7.3	59.5	4.3	347	7.80	34	2.5	1.0	755	387.4	9.6	<0.5	54	2.17
853067	Drill Core	2.16	47554	25.3	59.5	9545	52290	11.1	73.1	3.9	384	13.19	63	2.4	0.7	530	266.8	24.7	<0.5	42	0.85
853068	Drill Core	2.17	19439	9.1	17.4	537.7	1848	0.6	64.8	8.0	128	1.63	10	1.7	4.1	507	11.0	2.7	<0.5	36	0.71
853069	Drill Core	3.04	20296	11.5	20.3	897.5	2676	1.0	76.4	7.6	151	1.84	12	2.2	3.9	483	15.9	3.4	<0.5	36	0.79
853070 DUP 853069 PULP	Drill Core		19917	10.8	20.2	898.1	2647	1.0	72.5	7.4	140	1.84	12	2.1	4.0	455	15.9	3.1	<0.5	36	0.77
853071	Drill Core	2.88	70483	22.9	55.2	8029	63497	10.6	70.7	3.6	473	12.13	54	2.5	0.7	601	325.6	24.5	<0.5	45	1.87
853072	Drill Core	1.91	65450	15.6	37.3	12788	63269	9.6	53.7	3.7	414	8.63	34	2.1	0.8	1068	361.0	19.9	<0.5	42	3.04
853073	Drill Core	2.13	54233	23.3	51.0	15327	90854	12.1	70.8	4.0	428	11.46	39	3.4	0.9	559	484.7	29.8	<0.5	65	0.76
853074	Drill Core	1.88	49003	11.9	21.0	1629	2781	1.1	69.5	7.4	86	1.69	11	2.6	3.5	596	16.2	4.7	<0.5	54	0.42
853075	Drill Core	2.93	44524	24.1	50.5	10399	71268	10.7	69.5	4.0	438	10.00	38	3.7	1.1	641	363.7	31.7	<0.5	53	1.19
853076	Drill Core	2.28	60047	20.4	46.2	10907	60091	8.2	64.0	4.8	336	7.61	26	3.3	1.5	559	339.6	28.3	<0.5	53	1.22
853077	Drill Core	3.18	65393	20.9	48.7	11843	73609	9.5	62.0	4.4	336	8.65	28	2.7	1.1	595	406.5	30.1	<0.5	63	1.00
853078	Drill Core	2.80	80778	25.6	45.9	17775	98287	15.9	60.1	2.6	454	13.28	48	2.9	0.5	396	544.0	32.2	<0.5	60	0.67
853079	Drill Core	1.96	67421	18.0	41.5	10746	83215	10.4	58.7	3.9	506	9.01	38	2.2	1.0	413	440.6	20.9	<0.5	40	1.91
853080	Drill Core	2.24	25494	25.9	40.5	4089	26361	6.6	85.0	5.8	346	6.91	39	3.4	2.5	338	155.4	19.8	<0.5	49	0.91
853081	Rock Pulp	0.06	913	3.8	2871	12918	21178	24.9	10.6	10.8	810	3.09	11	<0.5	0.8	58	120.9	32.7	0.9	31	0.93
853082	Drill Core	1.86	32259	19.5	43.3	15081	81677	10.0	62.1	3.7	458	9.09	43	2.0	1.4	445	464.0	29.0	<0.5	43	1.41
853083	Drill Core	1.99	15682	20.8	25.1	2038	7763	2.4	82.1	5.2	198	3.10	31	3.7	2.8	218	47.7	6.7	<0.5	72	1.10
853084	Drill Core	2.71	26164	27.6	51.6	5241	24034	8.4	85.2	4.6	343	12.23	72	2.5	2.1	158	141.4	24.4	<0.5	42	0.75
853085	Drill Core	2.61	29454	27.1	38.2	4673	26712	8.1	79.7	4.5	466	12.12	62	2.5	2.1	204	165.3	21.6	<0.5	43	1.20
853086	Drill Core	2.74	38661	27.2	33.7	1960	8531	4.4	81.9	5.5	1076	8.02	42	3.2	4.2	325	52.0	13.4	<0.5	41	3.64
853087	Drill Core	1.96	37554	29.7	34.0	4302	23496	8.3	72.3	3.6	982	13.31	67	3.5	1.4	216	136.4	23.5	<0.5	41	3.03
853088	Drill Core	2.48	41357	23.3	33.0	5329	36555	8.6	71.9	4.4	466	12.43	62	2.5	1.7	207	209.9	18.7	<0.5	36	0.93

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Project: AKIE
Report Date: October 18, 2010

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CERTIFICATE OF ANALYSIS VAN10004866.2

	Method	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	7AR.1
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Pb
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		%
	MDL	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0	0.01
853059	Drill Core	0.091	6.4	8.5	0.21	3204	0.006	0.56	<0.01	0.29	<0.5	0.05	2.4	4.8	2.14	<5	5	2.57	
853060	Rock Pulp	0.020	9.0	13.8	0.21	150	0.082	0.63	0.10	0.35	<0.5	<0.05	4.0	<0.5	<0.05	<5	<2	I.S.	
853061	Drill Core	0.090	6.9	9.2	0.23	4199	0.004	0.50	<0.01	0.25	<0.5	<0.05	2.4	5.6	1.57	<5	6	2.56	
853062	Drill Core	0.033	2.0	12.1	0.19	205	0.001	0.93	<0.01	0.06	<0.5	1.38	3.2	134.3	20.44	<5	20	3.38	
853063	Drill Core	0.037	1.8	7.6	0.25	188	0.001	0.34	<0.01	0.06	<0.5	1.46	2.8	119.4	14.77	<5	13	3.25	
853064	Drill Core	0.050	2.2	9.6	0.27	247	0.002	0.73	<0.01	0.11	<0.5	0.89	3.3	95.6	12.15	<5	13	3.09	
853065	Drill Core	0.042	1.5	9.9	0.18	241	0.002	0.93	<0.01	0.05	<0.5	1.27	3.8	154.7	17.80	<5	15	3.34	
853066	Drill Core	0.050	1.5	7.8	0.32	333	0.002	0.81	<0.01	0.09	<0.5	1.50	3.5	109.5	10.85	<5	14	3.21	
853067	Drill Core	0.023	1.5	7.8	0.16	175	0.002	0.21	<0.01	0.10	<0.5	0.98	2.4	154.1	16.61	<5	27	3.12	
853068	Drill Core	0.065	3.5	5.7	0.18	2594	0.004	0.42	<0.01	0.25	<0.5	0.07	2.1	7.1	1.66	<5	5	2.72	
853069	Drill Core	0.067	3.2	5.4	0.20	1673	0.003	0.36	<0.01	0.20	<0.5	0.10	1.9	9.6	1.92	<5	9	2.70	
853070 DUP 853069 PULP	Drill Core	0.070	2.9	5.0	0.21	1797	0.006	0.35	<0.01	0.23	<0.5	0.09	1.9	9.3	1.91	<5	9	2.69	
853071	Drill Core	0.028	1.3	7.3	0.30	228	0.002	0.22	<0.01	0.09	<0.5	1.23	3.3	139.4	15.29	<5	24	3.22	
853072	Drill Core	0.034	2.6	6.4	0.33	369	0.002	0.17	0.01	0.07	<0.5	1.34	3.1	124.0	10.95	<5	22	3.20	
853073	Drill Core	0.028	1.5	8.3	0.23	220	0.002	0.23	<0.01	0.09	<0.5	1.90	3.4	161.2	16.18	<5	34	3.17	
853074	Drill Core	0.053	2.5	7.5	0.25	2442	0.003	0.45	<0.01	0.17	<0.5	0.12	5.0	12.2	1.45	<5	8	2.75	
853075	Drill Core	0.032	2.1	6.9	0.26	190	0.002	0.25	<0.01	0.09	0.5	1.35	3.8	143.6	13.53	<5	30	3.11	
853076	Drill Core	0.039	2.0	6.8	0.27	283	0.004	0.67	<0.01	0.09	0.5	1.29	4.4	115.6	10.28	<5	31	3.07	
853077	Drill Core	0.015	1.7	7.0	0.25	216	0.002	0.22	<0.01	0.08	<0.5	1.43	4.2	117.6	12.15	<5	37	3.12	
853078	Drill Core	0.008	1.1	7.4	0.18	191	0.002	0.16	<0.01	0.06	<0.5	2.49	3.3	193.4	18.08	<5	31	3.42	
853079	Drill Core	0.032	2.0	4.9	0.19	191	0.002	0.22	<0.01	0.11	<0.5	2.16	2.2	125.6	12.71	<5	23	3.16	
853080	Drill Core	0.045	3.0	5.4	0.09	256	0.003	0.30	<0.01	0.16	<0.5	0.74	1.5	74.6	8.64	<5	18	2.87	
853081	Rock Pulp	0.085	8.5	22.3	1.40	181	0.097	1.82	0.05	0.24	<0.5	0.14	1.4	<0.5	1.74	<5	<2	I.S.	
853082	Drill Core	0.033	2.7	8.3	0.24	195	0.002	0.23	<0.01	0.10	<0.5	1.95	1.7	138.6	13.30	<5	30	3.11	
853083	Drill Core	0.139	5.3	12.9	0.08	696	0.003	0.28	<0.01	0.16	<0.5	0.26	1.1	19.9	3.71	<5	12	2.70	
853084	Drill Core	0.035	3.8	6.7	0.12	170	0.003	0.27	<0.01	0.18	0.6	0.82	1.4	112.6	14.55	<5	25	3.08	
853085	Drill Core	0.042	4.6	6.7	0.21	198	0.003	0.28	<0.01	0.17	<0.5	0.93	1.8	101.1	14.41	<5	23	3.07	
853086	Drill Core	0.067	9.3	6.2	0.22	309	0.003	0.27	<0.01	0.16	0.5	0.36	1.8	55.3	8.92	<5	13	2.88	
853087	Drill Core	0.041	4.2	5.6	0.18	185	0.002	0.21	<0.01	0.12	0.6	0.95	1.4	111.8	15.51	<5	20	3.15	
853088	Drill Core	0.028	4.1	6.1	0.18	210	0.002	0.36	<0.01	0.13	<0.5	1.53	1.9	111.6	15.12	<5	18	3.13	

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CERTIFICATE OF ANALYSIS VAN10004866.2

	Method	**WGHT**	**4A**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**
	Analyte	**Wgt**	**Ba**	**Mo**	**Cu**	**Pb**	**Zn**	**Ag**	**Ni**	**Co**	**Mn**	**Fe**	**As**	**U**	**Th**	**Sr**	**Cd**	**Sb**	**Bi**	**V**	**Ca**
	Unit	**kg**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**
	MDL	**0.01**	**5**	**0.5**	**0.5**	**0.5**	**5**	**0.5**	**0.5**	**0.5**	**5**	**0.01**	**5**	**0.5**	**0.5**	**5**	**0.5**	**0.5**	**0.5**	**10**	**0.01**
853089	Drill Core	2.85	30834	24.3	38.2	6028	41511	8.1	73.7	3.9	631	10.96	58	2.5	1.6	328	216.2	22.9	<0.5	43	1.93
853090	Drill Core	2.76	17788	27.4	45.9	1590	10490	4.9	86.4	5.8	503	7.18	48	3.0	3.3	217	68.4	23.9	<0.5	43	2.03
853091	Rock Pulp	0.07	975	0.8	13.8	3.6	25	<0.5	1.8	2.9	515	1.40	<5	1.4	4.6	10	<0.5	<0.5	<0.5	11	0.13
853092	Drill Core	3.06	12055	34.5	81.4	1372	4406	5.8	102.7	5.9	348	9.98	67	2.9	3.2	175	30.6	40.9	<0.5	46	1.07
853093	Drill Core	2.62	7534	21.8	37.4	668.5	2639	1.6	77.7	6.6	247	2.85	30	2.7	3.9	226	18.3	12.3	<0.5	41	1.34
853094	Drill Core	2.53	10590	17.3	20.4	319.1	2951	0.5	74.5	7.3	335	1.91	12	3.0	4.1	370	20.6	6.5	<0.5	42	2.77
853095	Drill Core	2.78	11673	19.4	22.1	247.5	2416	0.5	80.7	7.8	192	1.74	13	2.8	3.9	177	14.7	6.7	<0.5	38	1.28
853096	Drill Core	1.62	7675	21.2	20.9	325.3	3200	0.6	82.1	8.5	167	1.73	11	3.9	5.6	111	19.6	6.4	<0.5	46	0.92
853097	Drill Core	2.10	7966	20.5	22.3	429.0	3070	0.6	82.9	8.8	199	1.87	9	5.1	6.9	141	20.2	7.1	<0.5	71	1.12
853098	Drill Core	2.22	8670	19.7	27.2	324.3	2147	0.6	84.0	8.0	262	2.17	13	4.6	7.2	203	13.5	7.7	<0.5	73	1.53
853099	Drill Core	1.72	9575	19.1	24.4	233.8	2588	0.5	76.2	8.0	188	1.90	12	4.5	6.8	157	15.9	7.4	<0.5	65	1.17
853100	Drill Core	2.22	9753	20.8	27.2	232.2	2200	0.6	90.7	8.6	188	1.95	14	5.2	7.8	155	13.4	8.1	<0.5	70	1.25
853101 DUP 853100	Drill Core		9751	20.8	27.9	224.0	2205	0.6	90.0	8.3	191	1.95	15	5.0	7.7	149	14.2	8.5	<0.5	62	1.23
853102	Drill Core	2.24	15504	15.6	22.0	396.8	2613	0.5	68.7	6.8	312	1.85	8	4.7	6.7	474	17.5	7.4	<0.5	62	3.70
853103	Drill Core	1.76	11373	17.9	26.7	386.7	2481	0.6	79.4	7.4	260	2.01	12	4.6	6.9	273	16.2	8.3	<0.5	60	2.20
853104	Drill Core	1.56	13687	17.6	24.8	418.9	2429	0.6	80.4	7.5	236	1.91	12	5.5	7.3	245	17.2	7.9	<0.5	73	1.99
853105	Drill Core	1.73	19125	17.1	25.2	362.9	2665	0.6	79.8	7.1	238	1.87	9	4.1	6.8	208	19.1	7.9	<0.5	74	1.81
853106	Drill Core	2.37	25941	18.7	96.1	1194	5766	5.0	75.7	5.9	484	6.92	48	3.0	4.0	388	47.0	47.8	<0.5	62	2.41
853107	Drill Core	2.16	17325	23.9	83.4	894.3	7319	5.0	87.5	6.6	285	6.31	45	3.6	5.2	132	59.4	41.7	<0.5	84	0.99
853108	Drill Core	2.60	19083	20.8	46.5	401.5	1350	2.3	83.3	6.4	255	3.10	34	3.4	5.6	207	9.0	20.6	<0.5	66	1.49
853109	Drill Core	1.85	19526	24.8	52.8	378.4	794	2.5	91.4	6.9	250	3.29	39	4.1	5.7	237	5.8	22.7	<0.5	78	1.92
853110	Drill Core	2.46	16755	20.9	42.2	322.1	2532	1.5	76.9	6.9	302	2.76	25	3.5	5.8	220	19.7	14.2	<0.5	75	2.23
853111	Rock Pulp	0.05	923	3.8	2866	12840	20794	27.5	10.1	10.9	805	3.37	11	<0.5	1.1	86	128.5	35.9	0.9	38	1.21
853112	Drill Core	2.28	25568	19.2	27.6	184.6	3621	0.6	84.3	8.0	168	1.89	14	3.9	7.5	100	25.2	8.6	<0.5	85	1.04
853113	Drill Core	3.15	30284	19.2	26.6	161.4	3259	0.6	86.2	8.5	192	1.89	11	4.0	8.3	108	25.4	8.6	<0.5	100	1.08
853114	Drill Core	2.91	8619	10.4	42.8	550.3	3445	2.8	42.8	2.9	2662	13.12	37	2.9	1.3	589	22.6	21.2	<0.5	56	15.04
853115	Drill Core	2.71	2465	17.6	41.0	838.4	2079	1.6	85.8	4.6	1688	12.86	36	6.0	2.0	352	14.0	11.9	<0.5	56	7.69
853116	Drill Core	2.14	3008	12.0	9.9	257.1	1255	<0.5	29.4	3.2	1510	3.44	5	4.2	3.5	378	6.9	1.9	<0.5	<10	11.13
853117	Drill Core	2.78	2129	10.0	11.5	88.2	175	<0.5	23.5	3.3	1594	3.75	<5	3.7	3.8	324	0.9	1.6	<0.5	<10	11.44
853118	Drill Core	1.87	2988	12.2	17.5	163.1	1829	<0.5	32.7	4.4	831	2.25	<5	4.0	6.5	217	13.3	2.4	<0.5	19	7.92

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CERTIFICATE OF ANALYSIS VAN10004866.2

	Method	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	7AR.1
	Analyte	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**SG**	**Pb**
	Unit	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**		**%**
	MDL	**0.001**	**0.5**	**0.5**	**0.01**	**5**	**0.001**	**0.01**	**0.01**	**0.01**	**0.5**	**0.05**	**0.5**	**0.5**	**0.05**	**5**	**2**	**0**	**0.01**
853089	Drill Core	0.046	4.8	6.3	0.27	197	0.002	0.28	<0.01	0.14	<0.5	1.64	2.0	107.1	13.49	<5	26	3.08	
853090	Drill Core	0.057	8.4	5.6	0.20	315	0.003	0.30	<0.01	0.19	<0.5	0.49	2.0	49.8	8.39	<5	17	2.87	
853091	Rock Pulp	0.017	7.2	12.7	0.21	162	0.076	0.64	0.10	0.34	<0.5	<0.05	3.4	<0.5	<0.05	<5	<2	I.S.	
853092	Drill Core	0.028	7.9	7.1	0.14	194	0.004	0.32	<0.01	0.23	<0.5	0.23	1.9	51.5	11.30	<5	25	2.90	
853093	Drill Core	0.034	10.2	5.2	0.22	1096	0.003	0.30	<0.01	0.21	<0.5	0.12	2.0	10.8	3.45	<5	13	2.67	
853094	Drill Core	0.035	11.7	3.9	0.38	2273	0.002	0.32	<0.01	0.23	<0.5	0.11	2.5	5.1	2.19	<5	9	2.68	
853095	Drill Core	0.012	11.7	4.1	0.29	2070	0.003	0.31	<0.01	0.23	<0.5	0.10	2.5	4.8	1.89	<5	9	2.68	
853096	Drill Core	0.055	13.6	4.8	0.32	779	0.003	0.39	<0.01	0.27	<0.5	0.12	2.6	4.4	1.86	<5	9	2.63	
853097	Drill Core	0.075	18.8	8.0	0.40	794	0.005	0.59	<0.01	0.30	<0.5	0.10	3.3	4.8	2.09	<5	11	2.61	
853098	Drill Core	0.075	20.6	7.6	0.51	1491	0.005	0.62	0.01	0.31	<0.5	0.11	3.4	4.7	2.37	<5	10	2.56	
853099	Drill Core	0.079	21.9	6.8	0.43	1711	0.005	0.53	0.01	0.25	<0.5	0.08	3.0	4.4	2.17	<5	7	2.61	
853100	Drill Core	0.085	25.6	8.4	0.44	1510	0.005	0.57	<0.01	0.29	<0.5	0.08	3.0	5.5	2.26	<5	9	2.55	
853101 DUP 853100	Drill Core	0.082	24.3	7.3	0.43	1355	0.004	0.52	0.01	0.26	<0.5	0.08	2.8	4.9	2.28	<5	11	2.56	
853102	Drill Core	0.076	22.8	6.4	0.52	1445	0.004	0.50	0.01	0.25	<0.5	0.08	3.2	4.3	2.14	<5	8	2.56	
853103	Drill Core	0.084	23.4	6.5	0.57	1446	0.004	0.48	0.01	0.23	<0.5	0.10	2.7	4.2	2.38	<5	9	2.64	
853104	Drill Core	0.079	26.0	8.4	0.55	1021	0.006	0.50	<0.01	0.24	<0.5	0.10	3.3	4.1	2.21	<5	9	2.58	
853105	Drill Core	0.081	27.0	7.7	0.58	1599	0.005	0.46	<0.01	0.22	<0.5	0.14	3.2	4.1	2.23	<5	8	2.61	
853106	Drill Core	0.054	16.3	12.5	0.42	241	0.004	0.34	<0.01	0.18	<0.5	0.41	3.0	27.3	8.10	<5	20	2.86	
853107	Drill Core	0.062	20.8	11.6	0.25	248	0.006	0.50	<0.01	0.28	<0.5	0.51	2.4	26.7	7.55	<5	21	2.80	
853108	Drill Core	0.062	21.6	10.3	0.29	571	0.004	0.46	<0.01	0.25	<0.5	0.16	1.9	9.7	3.49	<5	16	2.70	
853109	Drill Core	0.071	22.6	10.1	0.33	539	0.005	0.51	<0.01	0.26	<0.5	0.15	2.4	9.7	3.71	<5	15	2.69	
853110	Drill Core	0.064	24.1	9.8	0.49	1438	0.005	0.47	<0.01	0.24	<0.5	0.21	2.6	7.1	3.26	<5	17	2.66	
853111	Rock Pulp	0.077	11.5	23.1	1.46	212	0.126	1.95	0.05	0.22	<0.5	0.15	1.8	<0.5	1.85	5	<2	I.S.	
853112	Drill Core	0.073	29.4	8.6	0.47	1643	0.005	0.50	0.01	0.28	<0.5	0.33	3.0	4.5	2.22	<5	9	2.66	
853113	Drill Core	0.072	31.1	11.7	0.50	1342	0.006	0.48	0.01	0.28	<0.5	0.30	3.5	4.7	2.21	<5	11	2.63	
853114	Drill Core	0.077	8.4	6.7	0.32	99	0.003	0.23	<0.01	0.12	<0.5	0.74	1.6	38.2	15.16	<5	10	2.95	
853115	Drill Core	0.161	11.0	8.3	0.09	231	0.004	0.34	<0.01	0.17	<0.5	1.23	1.9	32.1	14.99	<5	11	3.09	
853116	Drill Core	0.031	11.1	6.6	4.66	525	0.002	0.22	0.01	0.12	<0.5	0.32	2.5	3.4	3.16	<5	3	2.77	
853117	Drill Core	0.032	13.5	5.6	4.78	341	0.002	0.24	0.01	0.16	<0.5	0.09	2.8	1.5	2.88	<5	<2	2.79	
853118	Drill Core	0.047	17.4	6.9	3.48	388	0.004	0.35	0.01	0.21	<0.5	0.13	3.2	1.4	1.63	<5	<2	2.74	

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Report Date: October 18, 2010

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CERTIFICATE OF ANALYSIS VAN10004866.2

	Method	**WGHT**	**4A**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**
	Analyte	**Wgt**	**Ba**	**Mo**	**Cu**	**Pb**	**Zn**	**Ag**	**Ni**	**Co**	**Mn**	**Fe**	**As**	**U**	**Th**	**Sr**	**Cd**	**Sb**	**Bi**	**V**	**Ca**
	Unit	**kg**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**
	MDL	**0.01**	**5**	**0.5**	**0.5**	**0.5**	**5**	**0.5**	**0.5**	**0.5**	**5**	**0.01**	**5**	**0.5**	**0.5**	**5**	**0.5**	**0.5**	**0.5**	**10**	**0.01**
853119	Drill Core	2.45	3501	12.6	24.4	218.8	1774	<0.5	37.9	5.4	441	2.65	7	3.8	7.2	133	11.6	3.5	<0.5	39	4.59
853120	Drill Core	2.17	3000	6.3	24.6	405.4	741	0.7	36.9	4.8	496	3.97	7	1.9	5.8	150	4.2	4.4	<0.5	24	5.18
853121	Drill Core	1.90	4209	1.2	19.9	45.6	806	0.7	24.0	6.3	431	1.62	<5	1.4	7.3	188	7.0	1.0	<0.5	11	6.80
853122	Drill Core	2.26	4895	3.0	37.1	110.8	5811	1.5	39.6	8.4	242	2.75	<5	1.8	6.4	95	56.8	2.3	<0.5	22	3.35
853123	Drill Core	2.03	6231	4.1	30.8	240.1	6818	1.4	35.7	7.4	273	2.34	<5	2.0	6.3	167	46.3	1.5	<0.5	16	3.69

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CERTIFICATE OF ANALYSIS VAN10004866.2

	Method	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**G8SG**	**7AR.1**
	Analyte	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**SG**	**Pb**
	Unit	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**		**%**
	MDL	**0.001**	**0.5**	**0.5**	**0.01**	**5**	**0.001**	**0.01**	**0.01**	**0.01**	**0.5**	**0.05**	**0.5**	**0.5**	**0.05**	**5**	**2**	**0**	**0.01**
853119	Drill Core	0.093	20.4	9.0	1.86	394	0.005	0.39	<0.01	0.22	<0.5	0.11	2.7	8.4	2.61	<5	3	2.74	
853120	Drill Core	0.065	16.9	8.0	1.87	438	0.005	0.39	<0.01	0.25	<0.5	0.06	3.0	12.5	4.12	<5	3	2.70	
853121	Drill Core	0.046	22.0	7.2	1.74	303	0.004	0.35	<0.01	0.26	<0.5	0.12	2.9	0.9	1.11	<5	2	2.65	
853122	Drill Core	0.083	20.4	10.4	1.18	415	0.005	0.46	<0.01	0.29	<0.5	0.43	2.7	5.1	3.06	<5	6	2.70	
853123	Drill Core	0.110	22.1	9.4	1.12	463	0.005	0.45	<0.01	0.26	<0.5	0.51	2.5	2.1	2.57	<5	4	2.72	

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Report Date: October 18, 2010

QUALITY CONTROL REPORT VAN10004866.2

	Method	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	5	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
853055	Drill Core	2.47	19074	18.9	35.3	1240	11535	5.0	54.6	3.0	374	10.53	58	1.5	1.0	273	50.7	15.2	<0.5	32	1.87
Pulp Duplicates																					
853051	Drill Core	2.09	20617	39.6	24.9	160.9	7778	1.2	103.3	9.5	141	3.48	29	6.5	4.9	275	41.6	6.4	<0.5	91	0.92
REP 853051	QC			40.1	24.3	169.2	7881	1.3	105.4	8.9	139	3.50	28	6.9	4.9	285	43.9	6.9	<0.5	91	0.92
853059	Drill Core	2.32	18741	10.3	14.1	498.5	1640	0.6	69.8	8.4	140	1.89	12	2.0	5.8	262	9.1	2.0	<0.5	46	0.80
REP 853059	QC		18925																		
853085	Drill Core	2.61	29454	27.1	38.2	4673	26712	8.1	79.7	4.5	466	12.12	62	2.5	2.1	204	165.3	21.6	<0.5	43	1.20
REP 853085	QC			26.4	39.2	4682	27030	7.8	78.9	4.5	485	12.19	61	2.7	2.0	200	159.1	21.0	<0.5	41	1.23
853090	Drill Core	2.76	17788	27.4	45.9	1590	10490	4.9	86.4	5.8	503	7.18	48	3.0	3.3	217	68.4	23.9	<0.5	43	2.03
REP 853090	QC		17644																		
853101 DUP 853100 REJECT	Drill Core		9751	20.8	27.9	224.0	2205	0.6	90.0	8.3	191	1.95	15	5.0	7.7	149	14.2	8.5	<0.5	62	1.23
853101 DUP 853100 REJECT	QC		9653																		
853105	Drill Core	1.73	19125	17.1	25.2	362.9	2665	0.6	79.8	7.1	238	1.87	9	4.1	6.8	208	19.1	7.9	<0.5	74	1.81
REP 853105	QC			18.0	26.0	360.0	2649	0.5	76.8	7.2	228	1.86	12	4.2	6.6	207	19.1	7.9	<0.5	68	1.81
853114	Drill Core	2.91	8619	10.4	42.8	550.3	3445	2.8	42.8	2.9	2662	13.12	37	2.9	1.3	589	22.6	21.2	<0.5	56	15.04
REP 853114	QC		8908																		
Core Reject Duplicates																					
856399	Drill Core	2.62	29281	25.2	52.5	214.4	5827	2.1	87.0	7.6	283	5.90	39	4.6	4.3	456	33.4	14.4	<0.5	68	1.64
DUP 856399	QC		28092	28.4	50.7	208.0	5656	2.2	87.8	7.5	245	5.79	37	4.4	4.3	443	34.2	14.4	<0.5	74	1.57
853084	Drill Core	2.71	26164	27.6	51.6	5241	24034	8.4	85.2	4.6	343	12.23	72	2.5	2.1	158	141.4	24.4	<0.5	42	0.75
DUP 853084	QC		26707	29.3	49.5	5232	23928	8.9	87.4	4.8	336	12.26	76	2.8	2.2	159	147.7	26.0	<0.5	41	0.75
853119	Drill Core	2.45	3501	12.6	24.4	218.8	1774	<0.5	37.9	5.4	441	2.65	7	3.8	7.2	133	11.6	3.5	<0.5	39	4.59
DUP 853119	QC		3527	12.5	23.9	226.2	1776	<0.5	37.1	5.2	456	2.72	7	3.8	7.1	132	13.1	3.9	<0.5	39	4.63
Reference Materials																					
STD CCU-1C	Standard																				
STD CZN-3	Standard																				
STD GBM997-6	Standard																				
STD PTC-1A	Standard																				
STD SF-3A	Standard			317.9	7590	9016	10603	51.9	3452	184.1	4245	7.74	43	3.9	3.4	67	50.2	10.0	4.9	106	2.62

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620-650 West Georgia Street
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Project: AKIE
Report Date: October 18, 2010

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QUALITY CONTROL REPORT VAN10004866.2

	Method	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	7AR.1
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Pb
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		%
	MDL	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0	0.01
853055	Drill Core	0.031	2.4	11.7	0.36	395	0.002	0.27	<0.01	0.08	<0.5	0.43	1.1	37.8	12.56	<5	12	2.90	
Pulp Duplicates																			
853051	Drill Core	0.170	16.7	11.9	0.16	857	0.006	0.53	<0.01	0.25	<0.5	0.87	1.9	6.9	4.30	<5	13	2.60	
REP 853051	QC	0.168	17.3	11.2	0.16	883	0.006	0.53	<0.01	0.24	<0.5	0.90	1.8	6.9	4.31	<5	15		
853059	Drill Core	0.091	6.4	8.5	0.21	3204	0.006	0.56	<0.01	0.29	<0.5	0.05	2.4	4.8	2.14	<5	5	2.57	
REP 853059	QC																		
853085	Drill Core	0.042	4.6	6.7	0.21	198	0.003	0.28	<0.01	0.17	<0.5	0.93	1.8	101.1	14.41	<5	23	3.07	
REP 853085	QC	0.039	4.4	6.9	0.20	187	0.003	0.27	<0.01	0.16	<0.5	0.89	1.7	103.1	14.56	<5	22		
853090	Drill Core	0.057	8.4	5.6	0.20	315	0.003	0.30	<0.01	0.19	<0.5	0.49	2.0	49.8	8.39	<5	17	2.87	
REP 853090	QC																		
853101 DUP 853100 REJECT	Drill Core	0.082	24.3	7.3	0.43	1355	0.004	0.52	0.01	0.26	<0.5	0.08	2.8	4.9	2.28	<5	11	2.56	
853101 DUP 853100 REJECT	QC																		
853105	Drill Core	0.081	27.0	7.7	0.58	1599	0.005	0.46	<0.01	0.22	<0.5	0.14	3.2	4.1	2.23	<5	8	2.61	
REP 853105	QC	0.084	24.7	7.9	0.57	1471	0.004	0.44	0.01	0.21	<0.5	0.12	2.8	4.0	2.21	<5	10		
853114	Drill Core	0.077	8.4	6.7	0.32	99	0.003	0.23	<0.01	0.12	<0.5	0.74	1.6	38.2	15.16	<5	10	2.95	
REP 853114	QC																		
Core Reject Duplicates																			
856399	Drill Core	0.112	15.6	12.8	0.46	518	0.004	0.40	<0.01	0.18	<0.5	0.71	3.0	7.3	7.01	<5	14	2.71	
DUP 856399	QC	0.112	16.3	15.1	0.43	493	0.005	0.44	<0.01	0.19	<0.5	0.63	3.1	7.2	6.86	<5	14	2.68	
853084	Drill Core	0.035	3.8	6.7	0.12	170	0.003	0.27	<0.01	0.18	0.6	0.82	1.4	112.6	14.55	<5	25	3.08	
DUP 853084	QC	0.039	3.9	6.6	0.12	181	0.003	0.30	<0.01	0.17	0.5	0.86	1.4	113.3	14.60	<5	23	3.09	
853119	Drill Core	0.093	20.4	9.0	1.86	394	0.005	0.39	<0.01	0.22	<0.5	0.11	2.7	8.4	2.61	<5	3	2.74	
DUP 853119	QC	0.085	20.4	8.8	1.86	380	0.005	0.39	<0.01	0.24	<0.5	0.12	2.7	8.6	2.67	<5	2	2.69	
Reference Materials																			
STD CCU-1C	Standard																		0.37
STD CZN-3	Standard																		0.10
STD GBM997-6	Standard																		24.67
STD PTC-1A	Standard																		0.05
STD SF-3A	Standard	0.055	11.2	179.4	4.28	279	0.123	1.05	0.50	1.01	3.3	0.53	3.2	2.8	5.02	5	9		

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620-650 West Georgia Street
Vancouver BC V6B 4N9 Canada

Project: AKIE
Report Date: October 18, 2010

QUALITY CONTROL REPORT VAN10004866.2

		WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
		Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	5	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
STD SF-3A	Standard			325.0	7711	9335	10704	53.6	3508	187.2	4296	7.80	42	4.2	3.7	68	48.9	9.7	5.2	107	2.62
STD SF-3A	Standard			323.5	7927	9220	11077	53.1	3511	187.5	4280	7.93	51	3.6	3.2	75	57.6	11.1	5.2	106	2.67
STD SF-3A	Standard			323.5	7807	9210	10981	53.0	3478	186.1	4261	7.85	45	3.4	2.8	61	52.2	9.8	4.7	105	2.63
STD SF-3A	Standard			301.9	7832	8963	10825	51.7	3428	175.6	4194	7.69	46	3.1	2.7	55	50.7	9.7	4.8	105	2.57
STD SF-3A	Standard			312.5	7791	9167	10849	52.4	3418	179.1	4208	7.73	45	3.3	2.9	57	53.3	10.0	5.0	103	2.59
STD SO-18	Standard		518																		
STD SO-18	Standard		511																		
STD SO-18	Standard		517																		
STD SO-18	Standard		504																		
STD SO-18	Standard		518																		
STD SO-18	Standard		520																		
STD SO-18	Standard		511																		
STD SO-18	Standard		507																		
STD SO-18	Standard		518																		
STD SO-18	Standard		507																		
STD SF-3A Expected				308	7705	9625	10628	54	3365	183	4247	7.91	46	3.3	2.8	50	45	10	4.6	102	2.59
STD CZN-3 Expected																					
STD PTC-1A Expected																					
STD CCU-1C Expected																					
STD GBM997-6 Expected																					
STD SO-18 Expected			515																		
BLK	Blank			<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank			<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank			<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank		<5																		
BLK	Blank		<5																		
BLK	Blank		<5																		
BLK	Blank																				
BLK	Blank		<5																		

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Report Date: October 18, 2010

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QUALITY CONTROL REPORT VAN10004866.2

		7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	7AR.1
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Pb
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		%
		0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0	0.01
STD SF-3A	Standard	0.058	11.0	173.9	4.34	275	0.125	1.06	0.51	1.01	3.5	0.57	3.1	2.8	5.22	5	9		
STD SF-3A	Standard	0.059	10.5	177.2	4.34	320	0.120	1.09	0.53	1.08	3.5	0.67	2.9	3.3	5.44	5	11		
STD SF-3A	Standard	0.058	8.9	179.3	4.33	273	0.118	1.05	0.51	1.11	3.6	0.52	3.2	2.7	5.34	<5	10		
STD SF-3A	Standard	0.059	8.3	168.7	4.27	275	0.114	1.02	0.50	1.04	3.4	0.63	2.9	3.0	4.87	<5	8		
STD SF-3A	Standard	0.060	8.6	165.4	4.26	298	0.113	1.02	0.50	1.18	3.2	0.54	2.9	2.9	4.95	<5	9		
STD SO-18	Standard																		
STD SO-18	Standard																		
STD SO-18	Standard																		
STD SO-18	Standard																		
STD SO-18	Standard																		
STD SO-18	Standard																		
STD SO-18	Standard																		
STD SO-18	Standard																		
STD SO-18	Standard																		
STD SO-18	Standard																		
STD SF-3A Expected		0.054	8.3	167	4.27	260	0.117	1	0.47	0.99	3.2	0.6	3	2.7	4.2	4	10		
STD CZN-3 Expected																			0.113
STD PTC-1A Expected																			0.05
STD CCU-1C Expected																			0.34
STD GBM997-6 Expected																			24.9095
STD SO-18 Expected																			
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2		
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2		
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		<0.01
BLK	Blank																		

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Project: AKIE
Report Date: October 18, 2010

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QUALITY CONTROL REPORT VAN10004866.2

		WGHT	**4A**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**
		Wgt	**Ba**	**Mo**	**Cu**	**Pb**	**Zn**	**Ag**	**Ni**	**Co**	**Mn**	**Fe**	**As**	**U**	**Th**	**Sr**	**Cd**	**Sb**	**Bi**	**V**	**Ca**
		kg	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**
		0.01	**5**	**0.5**	**0.5**	**0.5**	**5**	**0.5**	**0.5**	**0.5**	**5**	**0.01**	**5**	**0.5**	**0.5**	**5**	**0.5**	**0.5**	**0.5**	**10**	**0.01**
BLK	Blank		<5																		
Prep Wash																					
G1	Prep Blank		1028	<0.5	3.5	3.1	55	<0.5	3.3	4.1	617	2.08	<5	2.0	5.1	70	<0.5	<0.5	<0.5	38	0.54
G1	Prep Blank		1024	<0.5	4.6	2.7	58	<0.5	4.3	4.3	682	2.08	<5	2.0	5.3	75	<0.5	<0.5	<0.5	38	0.54

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Project: AKIE
Report Date: October 18, 2010

QUALITY CONTROL REPORT VAN10004866.2

		7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG	7AR.1
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG	Pb
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		%
		0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0	0.01
BLK	Blank																		
Prep Wash																			
G1	Prep Blank	0.093	11.5	9.3	0.58	199	0.152	1.07	0.10	0.53	<0.5	<0.05	2.3	<0.5	<0.05	5	<2	2.66	
G1	Prep Blank	0.094	12.7	11.5	0.59	232	0.155	1.05	0.10	0.55	<0.5	<0.05	3.5	<0.5	<0.05	6	<2	2.67	

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Submitted By:	Nick Johnson
Receiving Lab:	Canada-Vancouver
Received:	October 28, 2010
Report Date:	November 30, 2010
Page:	1 of 9

CERTIFICATE OF ANALYSIS VAN10006051.2

CLIENT JOB INFORMATION

Project:	AKIE
Shipment ID:	
P.O. Number	
Number of Samples:	236

SAMPLE DISPOSAL

RTRN-PLP	Return
RTRN-RJT	Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
7AR.1	3	1:1:1 Aqua Regia Digestion ICP-ES Finish	0.1	Completed	VAN
R200-250	211	Crush split and pulverize 250g drill core to 200 mesh			VAN
P200	4	Pulverize to 85% - 200 mesh			VAN
4A01	236	LiBO2/Li2B4O7 fusion ICP-ES analysis	0.1	Completed	VAN
7AX1	236	1:1:1 Aqua Regia digestion ICP-ES/ICP-MS analysis	1	Completed	VAN
G812	236	Specific Gravity on Pulp		Completed	VAN

ADDITIONAL COMMENTS

Version 2 : Revised reporting decimal places for SG.

Invoice To: Canada Zinc Metals Corp.
620-650 West Georgia Street
Vancouver BC V6B 4N9
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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Vancouver BC V6B 4N9 Canada

Project: AKIE
Report Date: November 30, 2010

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CERTIFICATE OF ANALYSIS VAN10006051.2

Method		7AR.1	7AR.1	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
Analyte		Pb	Zn	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi
Unit		%	%	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.01	0.01	0.01	10	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5
851851	Rock Pulp			0.02	893	3.6	2825	12141	20961	25.2	11.6	10.7	835	3.38	13	<0.5	1.2	69	122.1	36.6	0.9
851852	Drill Core			2.43	45826	26.8	36.2	15.5	908	<0.5	67.9	8.5	163	1.66	19	8.0	3.3	1180	7.6	7.6	<0.5
851853	Drill Core			2.40	17790	16.3	39.1	20.1	72	0.6	54.7	9.8	212	2.93	22	4.7	4.1	628	<0.5	11.0	<0.5
851854	Drill Core			2.18	28947	15.7	47.5	21.1	52	0.7	56.5	10.3	310	3.44	24	4.3	4.0	292	<0.5	10.5	<0.5
851855	Drill Core			2.88	27141	19.2	39.0	21.9	266	<0.5	72.2	10.6	177	2.92	22	6.0	4.4	228	1.5	6.6	<0.5
851856	Drill Core			2.53	26958	23.7	38.1	17.0	395	<0.5	75.6	12.1	117	2.24	19	7.2	4.9	239	2.7	3.7	<0.5
851857	Drill Core			2.56	27818	18.8	46.5	23.6	286	0.6	67.0	9.4	162	4.05	27	5.7	4.2	207	2.2	6.4	<0.5
851858	Drill Core			1.42	22694	16.3	62.6	24.2	91	0.8	57.1	9.6	231	5.03	33	4.5	4.5	356	1.1	8.7	<0.5
851859	Drill Core			2.71	17027	27.6	35.9	15.4	306	<0.5	55.5	8.0	56	1.97	18	6.0	3.7	89	2.4	4.5	<0.5
851860	Drill Core			2.33	18727	23.8	41.9	19.9	24	<0.5	62.1	10.1	139	2.80	22	7.0	4.3	379	<0.5	5.4	<0.5
851861 DUP 851860	Drill Core				19676	22.6	40.2	21.2	28	<0.5	63.2	10.3	140	2.81	22	7.5	4.3	362	<0.5	5.7	<0.5
851862	Drill Core			2.41	17517	31.1	47.9	19.2	30	<0.5	85.8	11.5	98	2.56	23	8.4	4.4	240	<0.5	5.1	<0.5
851863	Drill Core			2.89	21662	23.3	42.0	19.3	222	<0.5	71.9	9.5	62	2.24	21	5.8	4.4	79	1.2	5.3	<0.5
851864	Drill Core			3.14	21249	35.8	29.1	13.6	444	<0.5	47.1	7.8	64	1.94	16	7.1	3.2	126	3.4	4.2	<0.5
851865	Drill Core			2.02	27479	17.6	30.2	12.3	39	<0.5	60.8	8.9	108	2.33	17	4.0	3.8	105	<0.5	3.0	<0.5
851866	Drill Core			2.11	30639	15.4	68.1	27.2	19	0.8	49.5	8.7	190	7.11	33	5.0	3.0	140	0.8	7.3	<0.5
851867	Drill Core			1.78	50909	14.8	19.9	6.0	9	<0.5	48.6	9.0	47	1.82	11	4.1	4.4	34	<0.5	1.6	<0.5
851868	Drill Core			2.64	33309	11.6	72.7	38.1	25	0.6	44.2	6.9	370	6.85	37	4.3	3.0	117	<0.5	8.1	<0.5
851869	Drill Core			2.83	35670	18.4	31.7	12.5	53	<0.5	56.7	10.2	156	2.73	19	6.4	4.8	225	0.6	2.8	<0.5
851870	Drill Core			1.87	28223	15.3	47.2	19.9	21	<0.5	59.4	9.0	237	4.01	25	3.8	4.6	389	<0.5	5.7	<0.5
851871	Rock Pulp			0.02	970	<0.5	13.7	3.0	26	<0.5	1.9	2.6	518	1.50	<5	1.5	5.0	10	<0.5	<0.5	<0.5
851872	Drill Core			2.53	33131	20.9	39.4	17.3	72	<0.5	72.4	11.6	209	3.02	23	6.7	4.9	275	0.7	5.3	<0.5
851873	Drill Core			3.02	37649	18.4	42.4	16.1	24	0.6	64.1	10.0	157	3.11	22	5.4	4.3	180	<0.5	8.7	<0.5
851874	Drill Core			2.59	35073	16.4	44.9	18.7	176	0.5	66.7	9.6	124	3.40	21	5.2	3.9	148	1.5	9.9	<0.5
851875	Drill Core			2.80	22869	20.5	34.8	15.8	388	<0.5	80.6	11.2	114	2.27	18	6.4	4.7	208	4.0	5.8	<0.5
851876	Drill Core			2.63	28154	18.5	42.0	18.7	79	0.7	69.8	10.5	179	2.95	24	5.3	4.8	233	0.7	11.1	<0.5
851877	Drill Core			2.51	24982	43.5	40.7	15.4	1468	0.7	84.6	8.6	54	1.91	28	11.8	3.1	123	14.8	14.5	<0.5
851878	Drill Core			3.50	23127	46.9	47.5	16.0	1052	0.9	84.2	8.6	52	2.02	30	12.2	3.1	92	11.2	20.8	<0.5
851879	Drill Core			2.78	21891	48.4	47.5	15.7	1284	1.0	82.9	9.3	44	1.97	31	12.8	3.8	65	14.0	21.8	<0.5
851880	Drill Core			3.26	21440	46.7	41.1	16.0	699	1.0	85.3	8.7	41	1.95	31	12.5	3.6	58	8.5	19.2	<0.5

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Project: AKIE
Report Date: November 30, 2010

CERTIFICATE OF ANALYSIS VAN10006051.2

Method		**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**G8SG**
Analyte		**V**	**Ca**	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**SG**
Unit		**ppm**	**%**	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	
MDL		**10**	**0.01**	**0.001**	**0.5**	**0.5**	**0.01**	**5**	**0.001**	**0.01**	**0.01**	**0.01**	**0.5**	**0.05**	**0.5**	**0.5**	**0.05**	**5**	**2**	**0**
851851	Rock Pulp	36	1.07	0.082	10.0	22.0	1.41	202	0.110	1.89	0.06	0.24	<0.5	0.16	2.5	<0.5	1.87	5	<2	N.A.
851852	Drill Core	95	2.45	0.051	15.2	9.3	0.16	4664	0.005	1.82	<0.01	0.13	<0.5	0.24	2.8	1.3	0.93	<5	9	2.42
851853	Drill Core	26	3.77	0.045	14.6	5.7	0.09	765	0.004	0.73	<0.01	0.20	<0.5	0.11	2.3	2.8	3.08	<5	6	2.31
851854	Drill Core	29	2.91	0.049	13.9	5.8	0.07	635	0.004	1.14	<0.01	0.19	<0.5	0.17	2.3	3.3	3.32	<5	3	2.45
851855	Drill Core	32	1.94	0.052	17.2	7.2	0.07	913	0.004	1.06	<0.01	0.21	<0.5	0.13	2.8	2.4	2.79	<5	5	2.36
851856	Drill Core	36	1.83	0.052	18.8	6.8	0.07	1295	0.005	1.13	<0.01	0.22	<0.5	0.15	2.5	1.8	2.08	<5	4	2.41
851857	Drill Core	30	1.24	0.052	16.5	5.4	0.06	580	0.004	1.08	<0.01	0.20	<0.5	0.20	2.4	4.2	4.06	<5	5	2.43
851858	Drill Core	28	1.41	0.050	16.1	6.5	0.07	367	0.005	0.86	<0.01	0.20	<0.5	0.18	2.1	6.4	5.30	<5	5	2.45
851859	Drill Core	31	0.44	0.044	14.7	5.1	0.03	1928	0.004	0.58	<0.01	0.16	<0.5	0.15	1.5	1.8	1.98	<5	3	2.41
851860	Drill Core	36	2.07	0.049	18.0	6.6	0.05	1005	0.005	0.66	<0.01	0.19	<0.5	0.11	2.0	1.9	2.93	<5	4	2.38
851861 DUP 851860	Drill Core	33	2.05	0.046	18.1	5.8	0.05	811	0.005	0.65	<0.01	0.19	<0.5	0.11	1.9	1.7	2.93	<5	5	2.40
851862	Drill Core	44	1.30	0.049	16.1	6.6	0.04	1082	0.005	0.63	<0.01	0.18	<0.5	0.09	1.7	1.8	2.67	<5	7	2.44
851863	Drill Core	41	0.48	0.052	20.6	7.0	0.04	1441	0.005	0.91	<0.01	0.21	<0.5	0.12	1.7	2.0	2.16	<5	7	2.45
851864	Drill Core	31	0.64	0.038	13.3	6.9	0.03	1886	0.003	0.78	<0.01	0.14	0.6	0.19	1.3	1.7	1.77	<5	5	2.43
851865	Drill Core	34	0.71	0.048	18.2	6.6	0.05	1411	0.005	0.99	<0.01	0.17	<0.5	0.14	2.0	2.6	2.14	<5	5	2.51
851866	Drill Core	26	0.79	0.049	14.2	7.6	0.04	241	0.004	0.96	<0.01	0.16	<0.5	0.29	2.1	8.8	7.45	<5	5	2.53
851867	Drill Core	33	0.38	0.055	22.2	8.1	0.05	3637	0.005	2.05	<0.01	0.18	<0.5	0.08	2.3	2.0	0.98	<5	3	2.46
851868	Drill Core	28	0.67	0.049	13.3	6.5	0.04	273	0.004	1.09	<0.01	0.15	0.5	0.26	1.8	7.4	7.12	<5	6	2.51
851869	Drill Core	34	1.82	0.056	20.0	6.4	0.06	985	0.005	1.27	<0.01	0.20	<0.5	0.06	2.2	3.0	2.47	<5	4	2.48
851870	Drill Core	34	2.71	0.053	17.8	6.0	0.08	464	0.005	1.01	<0.01	0.20	<0.5	0.16	2.8	5.0	4.04	<5	6	2.48
851871	Rock Pulp	12	0.14	0.017	8.1	12.5	0.21	141	0.078	0.63	0.11	0.33	<0.5	<0.05	4.2	<0.5	<0.05	<5	<2	N.A.
851872	Drill Core	40	2.37	0.054	19.1	7.4	0.08	820	0.007	1.29	<0.01	0.22	<0.5	0.14	3.2	3.5	2.81	<5	6	2.43
851873	Drill Core	35	1.15	0.055	18.6	5.9	0.09	611	0.004	1.24	<0.01	0.18	<0.5	0.15	2.3	3.6	2.86	<5	4	2.44
851874	Drill Core	34	1.18	0.051	17.0	6.6	0.06	592	0.004	1.21	<0.01	0.16	<0.5	0.11	2.1	3.5	3.22	<5	4	2.47
851875	Drill Core	32	1.91	0.054	19.0	5.5	0.07	1349	0.005	0.89	<0.01	0.19	0.7	0.14	2.5	2.0	2.23	<5	6	2.38
851876	Drill Core	41	1.55	0.054	19.9	7.8	0.10	801	0.005	1.16	<0.01	0.22	0.5	0.05	2.9	3.2	2.76	<5	6	2.44
851877	Drill Core	92	0.80	0.040	14.9	6.4	0.04	1486	0.005	0.93	<0.01	0.15	0.6	0.32	1.7	1.9	1.79	<5	13	2.08
851878	Drill Core	112	0.42	0.042	15.5	8.5	0.04	1692	0.006	0.81	<0.01	0.18	0.6	0.23	1.4	1.9	1.92	<5	14	2.04
851879	Drill Core	100	0.35	0.043	15.5	7.2	0.04	1731	0.005	0.87	<0.01	0.17	0.6	0.28	1.6	2.0	1.89	<5	13	2.02
851880	Drill Core	106	0.36	0.047	15.5	7.8	0.04	1696	0.005	0.93	<0.01	0.19	0.6	0.18	1.9	2.3	1.83	<5	13	2.02

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Project: AKIE
Report Date: November 30, 2010

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CERTIFICATE OF ANALYSIS VAN10006051.2

	Method	**7AR.1**	**7AR.1**	**WGHT**	**4A**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**
	Analyte	**Pb**	**Zn**	**Wgt**	**Ba**	**Mo**	**Cu**	**Pb**	**Zn**	**Ag**	**Ni**	**Co**	**Mn**	**Fe**	**As**	**U**	**Th**	**Sr**	**Cd**	**Sb**	**Bi**
	Unit	**%**	**%**	**kg**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**
	MDL	**0.01**	**0.01**	**0.01**	**10**	**0.5**	**0.5**	**0.5**	**5**	**0.5**	**0.5**	**0.5**	**5**	**0.01**	**5**	**0.5**	**0.5**	**5**	**0.5**	**0.5**	**0.5**
851881	Rock Pulp			0.02	964	3.7	2839	11984	20766	23.5	11.9	10.6	827	3.38	13	<0.5	1.1	73	121.8	33.8	0.8
851882	Drill Core			1.62	20674	44.6	48.8	16.2	1268	1.1	78.0	8.2	41	2.18	28	10.7	3.0	74	14.2	22.3	<0.5
851883	Drill Core			2.86	20263	41.8	54.3	15.1	1102	1.1	82.4	9.1	86	2.12	31	10.5	3.2	253	12.4	25.5	<0.5
851884	Drill Core			1.60	11925	47.5	45.8	18.7	1087	0.9	87.1	10.4	35	1.86	28	11.2	4.1	63	13.1	17.2	<0.5
851885	Drill Core			1.91	18129	37.4	55.1	21.2	699	1.1	82.1	10.2	231	2.77	30	8.8	4.1	676	8.7	18.3	<0.5
851886	Drill Core			2.58	10908	20.6	51.4	14.7	469	0.9	90.0	10.1	81	2.24	24	3.5	5.9	169	5.7	12.9	<0.5
851887	Drill Core			2.25	21687	15.5	39.3	16.4	816	0.8	70.8	8.5	180	2.53	22	3.2	5.1	383	9.2	9.5	<0.5
851888	Drill Core			1.76	8058	42.0	121.7	440.4	26	5.1	130.1	7.2	159	10.38	99	2.4	4.2	124	0.7	59.7	<0.5
851889	Drill Core			2.74	8074	9.8	24.1	15.8	1382	<0.5	56.0	8.2	82	1.46	12	2.2	6.9	248	11.9	5.1	<0.5
851890	Drill Core			2.68	8546	12.1	21.4	44.3	1941	<0.5	60.3	8.5	72	1.69	12	1.8	6.6	215	14.7	5.7	<0.5
851891 DUP 851890 PULP	Drill Core				8325	10.5	20.7	45.1	1953	<0.5	61.2	8.5	71	1.70	11	1.9	6.9	204	15.5	5.1	<0.5
851892	Drill Core			2.24	23128	35.3	83.3	821.8	4341	5.3	109.9	5.8	253	12.32	86	2.1	2.8	315	29.1	42.7	<0.5
851893	Drill Core			2.49	18586	29.9	55.9	829.3	7984	4.1	100.8	6.4	256	10.47	64	2.6	3.7	876	46.1	21.4	<0.5
851894	Drill Core			1.79	19731	19.9	17.8	91.5	3412	0.8	82.7	8.1	105	2.22	13	2.6	6.2	147	20.7	2.7	<0.5
851895	Drill Core			2.57	24503	35.0	56.8	1660	13297	6.0	103.3	5.2	297	15.08	91	2.2	2.3	198	66.4	22.9	<0.5
851896	Drill Core			2.61	31796	26.7	43.0	1640	14231	4.9	89.4	5.7	286	13.43	78	1.3	2.3	523	61.3	15.0	<0.5
851897	Drill Core			3.19	21411	31.8	43.7	1112	10185	3.3	95.8	6.8	247	9.28	55	3.2	3.4	1209	46.0	11.9	<0.5
851898	Drill Core			2.09	13388	9.4	12.1	113.6	2096	<0.5	61.6	7.7	279	2.61	9	1.6	7.7	517	9.9	2.1	<0.5
851899	Drill Core			2.70	34373	27.6	49.5	1784	16656	4.3	87.2	5.7	332	11.72	64	2.0	2.4	713	65.4	13.4	<0.5
851900	Drill Core			1.84	31479	17.4	37.9	1723	21457	4.0	75.4	5.3	290	10.23	47	1.5	2.9	970	77.4	9.5	<0.5
851901	Rock Pulp			0.02	933	0.6	15.1	2.8	16	<0.5	1.8	2.9	492	1.47	<5	1.4	5.1	8	<0.5	<0.5	<0.5
851902	Drill Core			1.55	24211	25.1	42.2	2162	31106	5.3	76.4	4.9	232	12.88	66	1.7	2.2	727	112.6	12.7	<0.5
851903	Drill Core			1.84	10172	13.9	20.8	475.4	7317	1.1	67.9	6.9	115	3.19	16	2.0	5.6	222	30.5	2.7	<0.5
851904	Drill Core			2.16	34503	33.1	46.2	3457	45479	9.9	90.9	3.3	368	18.25	98	2.0	1.1	561	192.0	20.7	<0.5
851905	Drill Core			1.66	17696	10.3	22.5	275.9	2763	0.9	71.6	8.1	111	1.94	11	1.8	5.7	499	10.7	2.4	<0.5
851906	Drill Core			1.30	38108	17.5	30.9	1026	23210	3.4	59.5	4.4	760	6.12	30	2.9	1.7	1737	91.9	9.3	<0.5
851907	Drill Core			1.32	9760	38.3	37.0	1283	7990	3.4	136.3	9.2	86	2.88	27	7.4	4.5	257	39.7	5.7	<0.5
851908	Drill Core			1.85	36892	19.9	80.0	4125	41583	10.4	73.6	4.8	340	12.87	56	2.2	1.1	455	190.1	20.0	<0.5
851909	Drill Core			1.65	44197	19.4	66.8	3548	25227	8.7	79.8	5.8	330	9.09	47	2.1	2.0	789	117.7	13.3	<0.5
851910	Drill Core			1.87	34281	9.3	15.8	720.4	1605	0.9	71.7	8.0	127	1.97	11	1.4	4.3	1500	8.2	2.2	<0.5

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CERTIFICATE OF ANALYSIS VAN10006051.2

	Method	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**G8SG**
	Analyte	**V**	**Ca**	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**SG**
	Unit	**ppm**	**%**	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	
	MDL	**10**	**0.01**	**0.001**	**0.5**	**0.5**	**0.01**	**5**	**0.001**	**0.01**	**0.01**	**0.01**	**0.5**	**0.05**	**0.5**	**0.5**	**0.05**	**5**	**2**	**0**
851881	Rock Pulp	36	1.09	0.079	9.5	22.7	1.40	190	0.114	1.90	0.06	0.23	<0.5	0.11	1.9	<0.5	1.81	<5	2	N.A.
851882	Drill Core	82	0.53	0.040	15.3	6.1	0.04	1202	0.004	0.82	<0.01	0.15	0.6	0.32	1.4	2.0	2.13	<5	14	2.03
851883	Drill Core	101	1.03	0.041	15.2	7.1	0.04	1555	0.005	0.74	<0.01	0.17	<0.5	0.25	1.6	1.9	2.11	<5	12	2.01
851884	Drill Core	79	0.26	0.045	17.4	5.3	0.03	1373	0.004	0.60	<0.01	0.19	<0.5	0.43	0.9	1.6	2.15	<5	11	1.98
851885	Drill Core	60	3.65	0.049	16.0	6.1	0.15	521	0.003	0.36	<0.01	0.17	<0.5	0.26	1.2	2.3	3.23	<5	13	2.12
851886	Drill Core	50	0.72	0.053	23.2	6.8	0.06	1067	0.004	0.50	<0.01	0.25	<0.5	0.15	1.7	2.0	2.66	<5	9	2.24
851887	Drill Core	45	1.92	0.043	18.9	10.3	0.44	759	0.003	0.29	<0.01	0.14	<0.5	0.09	1.8	2.0	2.84	<5	9	2.33
851888	Drill Core	64	0.49	0.041	14.9	5.5	0.05	119	0.003	0.37	<0.01	0.20	<0.5	0.18	1.0	14.3	12.42	<5	40	2.58
851889	Drill Core	46	1.42	0.075	26.6	6.8	0.16	1948	0.004	0.56	<0.01	0.32	<0.5	0.07	2.4	1.8	1.76	<5	11	2.35
851890	Drill Core	48	0.92	0.080	26.4	8.2	0.17	2041	0.004	0.57	<0.01	0.32	<0.5	0.10	2.3	2.3	2.03	<5	12	2.31
851891 DUP 851890 PULP	Drill Core	49	0.92	0.081	25.8	7.4	0.17	2011	0.005	0.58	<0.01	0.31	<0.5	0.15	2.1	2.2	2.03	<5	10	2.32
851892	Drill Core	61	0.84	0.050	13.0	6.8	0.17	91	0.004	0.74	<0.01	0.17	<0.5	0.52	1.9	22.6	14.76	<5	28	2.58
851893	Drill Core	64	0.96	0.055	13.0	8.0	0.20	125	0.004	0.54	<0.01	0.18	<0.5	0.55	2.0	22.1	12.68	<5	23	2.48
851894	Drill Core	54	0.67	0.082	21.7	7.5	0.19	921	0.004	0.81	<0.01	0.24	<0.5	0.18	2.3	3.5	2.55	<5	12	2.34
851895	Drill Core	71	0.88	0.050	8.9	8.6	0.13	74	0.004	0.66	<0.01	0.16	0.5	0.62	1.7	45.5	18.62	<5	23	2.71
851896	Drill Core	62	0.96	0.049	9.7	9.3	0.18	83	0.004	0.76	<0.01	0.17	<0.5	0.46	2.3	44.1	16.71	<5	15	2.74
851897	Drill Core	70	1.13	0.085	11.1	9.3	0.21	147	0.004	0.53	<0.01	0.20	<0.5	0.26	1.7	30.7	11.33	<5	13	2.43
851898	Drill Core	44	1.51	0.079	24.0	6.3	0.51	1126	0.005	0.53	<0.01	0.27	<0.5	0.07	3.2	2.5	3.12	<5	7	2.37
851899	Drill Core	59	1.35	0.056	8.2	8.9	0.22	152	0.004	0.70	<0.01	0.18	<0.5	0.30	2.4	49.9	14.28	<5	16	2.64
851900	Drill Core	52	1.46	0.060	9.2	9.0	0.26	169	0.004	0.41	<0.01	0.20	<0.5	0.30	2.3	53.1	12.78	<5	13	2.68
851901	Rock Pulp	13	0.13	0.016	7.9	13.5	0.18	143	0.081	0.57	0.08	0.32	<0.5	<0.05	3.4	<0.5	<0.05	<5	<2	N.A.
851902	Drill Core	57	0.84	0.042	7.6	8.6	0.15	103	0.003	0.31	<0.01	0.17	<0.5	0.42	1.7	78.4	16.77	<5	13	2.75
851903	Drill Core	50	0.66	0.078	15.2	8.8	0.20	497	0.005	0.51	<0.01	0.27	<0.5	0.12	2.5	12.7	4.16	<5	8	2.32
851904	Drill Core	68	0.94	0.032	4.3	10.7	0.17	105	0.003	0.26	<0.01	0.10	<0.5	0.64	1.9	125.6	23.82	<5	18	2.96
851905	Drill Core	43	0.67	0.081	14.2	7.8	0.21	1205	0.004	0.59	<0.01	0.26	<0.5	0.05	2.1	6.5	2.22	<5	6	2.35
851906	Drill Core	65	3.94	0.060	2.7	10.1	1.22	290	0.003	0.27	<0.01	0.13	<0.5	0.31	1.7	49.9	7.16	<5	12	2.49
851907	Drill Core	107	0.52	0.146	1.5	12.3	0.08	519	0.006	0.54	<0.01	0.27	<0.5	0.15	1.9	19.4	3.82	<5	17	2.02
851908	Drill Core	57	0.89	0.039	1.3	8.6	0.17	119	0.003	0.27	<0.01	0.15	<0.5	0.76	1.9	140.0	16.75	<5	17	2.79
851909	Drill Core	51	1.53	0.055	2.0	7.1	0.24	171	0.004	0.38	<0.01	0.20	<0.5	0.43	3.4	104.9	11.17	<5	11	2.67
851910	Drill Core	39	1.27	0.083	3.5	7.2	0.22	1235	0.004	0.46	<0.01	0.26	<0.5	<0.05	2.5	7.0	1.80	<5	4	2.34

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Report Date: November 30, 2010

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CERTIFICATE OF ANALYSIS VAN10006051.2

	Method	7AR.1	7AR.1	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Pb	Zn	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi
	Unit	%	%	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.01	10	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5
851911	Rock Pulp	6.12	7.16	0.02	1029	7.6	6882	>40000	68965	72.4	9.0	11.1	921	4.95	103	1.2	3.0	11	184.1	408.4	3.7
851912	Drill Core			1.84	54571	7.3	18.1	863.2	1500	0.9	56.0	7.2	180	1.80	10	1.5	3.6	2702	7.8	1.7	<0.5
851913	Drill Core			3.32	61890	26.0	58.2	18256	103880	18.1	61.8	2.4	465	14.78	64	1.8	<0.5	1099	589.4	13.3	<0.5
851914	Drill Core			2.41	57222	20.7	53.7	17090	100937	17.0	62.9	3.3	500	12.63	60	1.8	<0.5	1328	594.4	12.1	<0.5
851915	Drill Core			1.69	31813	19.1	36.6	6753	28081	6.3	85.9	6.9	202	5.92	33	2.7	2.4	701	150.3	6.1	<0.5
851916	Drill Core			2.44	64475	23.0	42.6	12909	78647	17.3	66.5	3.3	504	13.40	65	2.0	<0.5	909	413.1	12.7	<0.5
851917	Drill Core			1.39	66130	24.2	40.1	11894	51197	14.4	75.9	4.5	300	11.85	53	2.6	0.8	667	245.1	10.3	<0.5
851918	Drill Core			2.88	59849	21.3	48.5	17012	89191	15.1	67.0	4.2	431	9.99	43	2.5	0.6	820	459.3	14.6	<0.5
851919	Drill Core			2.03	46849	19.8	78.2	15657	94408	17.2	59.0	3.4	535	12.13	54	1.9	<0.5	575	545.7	23.3	<0.5
851920	Drill Core			2.61	15169	10.1	21.9	1088	2572	1.2	68.0	8.4	134	2.05	11	2.0	3.4	446	15.6	3.3	<0.5
851921 DUP 851920	Drill Core				14772	9.6	22.4	1132	2662	1.2	71.4	8.2	130	2.07	11	2.2	3.5	435	15.7	3.2	<0.5
851922	Drill Core			2.94	15887	10.7	22.5	1562	2319	1.4	74.7	8.4	121	1.84	11	2.5	4.0	479	14.0	3.0	<0.5
851923	Drill Core			2.03	67819	18.5	74.3	13952	75721	16.9	63.1	4.1	479	11.21	47	1.6	0.5	908	434.9	21.4	<0.5
851924	Drill Core			2.41	96987	16.6	57.1	29629	124643	19.1	54.3	3.3	390	10.34	36	2.2	0.5	622	841.4	18.7	<0.5
851925	Drill Core			2.32	37699	18.8	45.9	14546	88733	13.9	74.7	5.9	463	7.15	28	3.5	1.4	423	551.8	12.1	<0.5
851926	Drill Core	4.05	22.43	2.04	114582	14.7	70.0	>40000	>200000	27.9	41.2	1.9	410	12.52	32	1.8	<0.5	356	1348	21.2	<0.5
851927	Drill Core			2.55	129057	16.4	77.2	26952	123954	23.2	50.4	2.6	497	10.34	32	2.3	<0.5	364	825.7	19.0	<0.5
851928	Drill Core			2.18	17274	14.7	22.7	1612	5276	2.4	90.2	8.8	46	1.88	13	3.2	3.7	153	34.9	4.4	<0.5
851929	Drill Core			2.02	61010	26.6	89.4	27855	150775	29.4	69.1	4.0	453	11.55	43	2.8	0.6	470	1022	32.5	<0.5
851930	Drill Core			3.18	187306	9.8	62.9	26493	140197	19.0	35.9	2.1	241	7.87	22	1.2	<0.5	353	1003	20.3	<0.5
851931	Rock Pulp			0.02	1025	0.5	14.8	10.3	63	<0.5	2.6	2.7	509	1.58	<5	1.4	4.1	13	<0.5	<0.5	<0.5
851932	Drill Core			2.00	36223	16.4	32.5	5437	26427	8.0	73.4	6.5	259	4.34	16	2.8	2.2	386	157.6	10.6	<0.5
851933	Drill Core			2.59	34235	13.6	46.0	11344	56596	12.6	88.1	5.9	285	5.42	19	3.0	1.8	565	345.2	17.5	<0.5
851934	Drill Core			2.72	117476	14.8	57.2	17834	111318	18.3	48.8	3.4	475	7.75	22	2.5	0.7	576	707.4	26.1	<0.5
851935	Drill Core			1.86	97835	22.2	63.4	16054	54108	20.9	62.5	3.9	393	8.69	32	3.1	1.1	596	438.3	32.5	<0.5
851936	Drill Core			2.81	102025	14.8	51.4	15156	61637	16.4	63.4	5.0	305	6.46	27	2.2	1.2	512	489.0	17.8	<0.5
851937	Drill Core			2.27	205955	10.4	78.3	36046	168471	30.2	29.8	1.5	417	9.60	32	1.3	<0.5	420	1397	11.5	<0.5
851938	Drill Core	4.56	20.23	2.23	216203	11.0	66.7	>40000	193543	34.4	29.0	0.7	372	9.56	31	1.0	<0.5	290	1446	13.3	<0.5
851939	Drill Core			2.16	250255	13.9	50.6	18441	46421	21.8	41.5	2.6	231	7.20	31	1.2	<0.5	380	368.6	9.6	<0.5
851940	Drill Core			1.76	274357	7.2	65.2	13750	73845	18.7	21.3	1.1	463	7.90	24	0.7	<0.5	779	638.1	11.6	<0.5

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Report Date: November 30, 2010

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CERTIFICATE OF ANALYSIS VAN10006051.2

	Method	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**G8SG**
	Analyte	**V**	**Ca**	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**SG**
	Unit	**ppm**	**%**	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	
	MDL	**10**	**0.01**	**0.001**	**0.5**	**0.5**	**0.01**	**5**	**0.001**	**0.01**	**0.01**	**0.01**	**0.5**	**0.05**	**0.5**	**0.5**	**0.05**	**5**	**2**	**0**
851911	Rock Pulp	21	0.20	0.018	4.8	10.1	0.22	452	0.085	0.46	0.06	0.33	2.8	10.26	2.2	38.5	6.10	<5	9	N.A.
851912	Drill Core	40	2.85	0.078	4.1	7.4	0.23	2582	0.004	0.50	<0.01	0.25	<0.5	0.06	2.1	8.6	1.03	<5	4	2.38
851913	Drill Core	62	0.96	0.027	1.2	11.8	0.17	59	0.002	0.26	<0.01	0.07	0.5	2.55	2.0	241.6	22.10	<5	18	3.13
851914	Drill Core	58	1.46	0.038	1.1	12.1	0.21	75	0.003	0.23	<0.01	0.09	<0.5	2.46	2.2	222.2	19.20	6	17	3.01
851915	Drill Core	63	0.59	0.070	1.6	7.7	0.13	178	0.004	0.49	<0.01	0.20	<0.5	0.74	3.6	84.2	8.21	<5	13	2.57
851916	Drill Core	62	1.99	0.029	1.0	11.5	0.09	115	0.002	0.26	<0.01	0.09	<0.5	2.06	1.9	224.2	19.55	5	16	3.26
851917	Drill Core	72	0.98	0.042	0.8	10.3	0.06	70	0.004	0.32	<0.01	0.15	<0.5	1.24	2.0	170.0	16.64	<5	14	3.02
851918	Drill Core	62	1.50	0.041	1.2	8.8	0.17	95	0.003	0.27	<0.01	0.13	<0.5	2.16	1.8	189.3	15.42	<5	18	3.04
851919	Drill Core	62	1.77	0.026	1.4	8.4	0.18	99	0.010	0.27	<0.01	0.11	<0.5	2.18	1.7	250.7	17.73	6	19	3.23
851920	Drill Core	66	0.67	0.066	2.8	9.2	0.25	1514	0.005	0.62	<0.01	0.30	<0.5	0.06	2.5	16.7	2.23	<5	8	2.50
851921 DUP 851920	Drill Core	66	0.67	0.066	2.5	8.8	0.24	1367	0.005	0.60	<0.01	0.29	<0.5	0.07	2.4	15.5	2.23	<5	7	2.52
851922	Drill Core	69	0.77	0.064	2.5	9.3	0.26	1594	0.005	0.61	<0.01	0.30	<0.5	0.09	2.5	15.1	1.98	<5	9	2.49
851923	Drill Core	65	2.10	0.029	1.2	9.3	0.26	90	0.003	0.29	<0.01	0.13	0.6	1.75	2.6	215.4	15.23	<5	20	3.12
851924	Drill Core	71	1.62	0.020	0.9	8.4	0.09	85	0.004	0.25	<0.01	0.12	<0.5	3.02	1.8	210.3	17.91	<5	19	3.32
851925	Drill Core	84	1.26	0.042	1.7	8.1	0.12	155	0.006	0.42	<0.01	0.21	<0.5	1.96	2.3	151.0	12.06	<5	18	2.90
851926	Drill Core	52	1.00	0.016	<0.5	5.4	0.15	56	0.001	0.07	<0.01	0.03	<0.5	4.89	1.1	285.0	24.30	<5	21	3.79
851927	Drill Core	67	1.22	0.029	0.9	6.1	0.13	118	0.003	0.20	<0.01	0.10	<0.5	3.09	1.4	230.2	17.59	<5	23	3.45
851928	Drill Core	92	0.25	0.073	2.3	10.6	0.13	1738	0.007	0.59	<0.01	0.30	<0.5	0.23	3.2	22.7	2.28	<5	13	2.51
851929	Drill Core	72	1.21	0.031	0.9	7.4	0.11	58	0.003	0.18	<0.01	0.11	<0.5	3.97	1.7	283.8	20.27	6	35	3.29
851930	Drill Core	39	0.77	0.016	0.6	4.4	0.07	81	0.002	0.16	<0.01	0.08	<0.5	4.04	1.3	163.7	15.52	6	14	3.53
851931	Rock Pulp	18	0.15	0.018	8.7	14.7	0.22	147	0.083	0.63	0.11	0.28	<0.5	<0.05	2.7	<0.5	<0.05	<5	<2	N.A.
851932	Drill Core	77	0.68	0.052	2.1	8.6	0.15	242	0.006	0.51	<0.01	0.25	<0.5	0.69	2.3	71.2	5.83	<5	11	3.55
851933	Drill Core	95	0.82	0.049	1.8	8.0	0.14	185	0.005	0.45	<0.01	0.22	<0.5	1.52	2.1	108.3	8.46	<5	18	2.63
851934	Drill Core	66	1.16	0.032	1.3	6.1	0.15	91	0.004	0.32	<0.01	0.16	<0.5	3.49	1.6	176.5	13.73	6	30	3.15
851935	Drill Core	82	1.33	0.039	1.2	6.1	0.14	94	0.003	0.31	<0.01	0.15	<0.5	2.10	2.1	152.8	12.18	<5	39	3.02
851936	Drill Core	60	0.84	0.044	1.7	6.6	0.14	119	0.004	0.36	<0.01	0.18	<0.5	2.32	2.1	111.4	10.03	<5	19	3.02
851937	Drill Core	36	1.19	0.020	0.8	4.8	0.08	63	0.001	0.11	<0.01	0.04	<0.5	7.42	0.7	190.7	19.16	5	13	3.84
851938	Drill Core	35	1.16	0.009	0.6	4.0	0.04	51	<0.001	0.06	<0.01	0.02	<0.5	7.65	0.7	202.4	20.44	6	15	3.92
851939	Drill Core	48	1.14	0.023	1.1	5.3	0.15	96	0.002	0.22	<0.01	0.11	<0.5	2.72	1.2	106.5	10.25	<5	9	3.40
851940	Drill Core	33	2.68	0.011	1.9	4.2	0.28	352	0.001	0.08	<0.01	0.04	<0.5	4.50	0.9	96.4	11.83	<5	11	3.76

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	Method	7AR.1	7AR.1	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Pb	Zn	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi
	Unit	%	%	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.01	10	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5
851941	Rock Pulp			0.02	836	16.8	7958	9069	12512	209.3	16.8	19.6	2275	2.66	259	<0.5	<0.5	71	89.5	467.4	14.5
851942	Drill Core			1.73	18704	7.8	18.0	333.0	578	1.7	68.2	7.9	140	1.84	10	2.0	4.3	201	5.1	2.9	<0.5
851943	Drill Core			1.86	169655	19.3	60.4	19954	15941	20.9	61.0	3.7	348	7.48	40	1.6	1.0	652	193.5	19.3	<0.5
851944	Drill Core			1.48	37376	19.6	61.5	2857	7698	14.9	76.5	6.3	464	7.13	32	3.0	2.4	473	84.6	19.4	<0.5
851945	Drill Core			1.95	130305	21.4	63.6	10949	17649	20.3	69.6	4.9	357	7.50	33	3.2	1.4	774	235.4	27.3	<0.5
851946	Drill Core			2.00	135299	18.8	65.8	11895	7103	17.9	65.0	5.1	268	7.16	24	3.5	1.6	839	81.3	29.8	<0.5
851947	Drill Core			1.59	65161	25.7	107.1	3540	303	26.1	83.5	5.2	209	12.58	41	3.0	1.2	603	4.0	40.2	<0.5
851948	Drill Core			2.65	276874	9.1	93.7	2555	1182	10.7	48.3	3.3	150	6.26	18	1.1	<0.5	884	15.5	14.0	<0.5
851949	Drill Core			2.95	322782	12.1	218.7	2528	394	12.1	109.7	7.5	281	9.06	25	1.2	<0.5	1110	5.2	21.0	<0.5
851950	Drill Core			3.11	239135	15.4	196.8	1798	372	8.9	84.6	6.6	295	8.39	24	2.1	0.8	790	5.2	21.6	<0.5
851951 DUP 851950 PULP	Drill Core				196199	16.2	197.3	1820	364	9.1	88.6	7.0	291	8.41	24	2.1	0.9	785	4.6	22.4	<0.5
851952	Drill Core			1.79	298676	6.2	135.0	998.4	374	3.9	45.8	3.3	184	3.57	10	0.6	<0.5	1259	4.7	8.7	<0.5
851953	Drill Core			1.84	330060	11.5	155.0	1476	367	8.1	79.9	5.9	146	6.30	25	0.8	0.5	624	4.6	15.9	<0.5
851954	Drill Core			1.47	107857	27.3	124.5	1163	159	10.1	93.3	7.1	285	6.86	41	2.4	3.3	497	2.0	21.1	<0.5
851955	Drill Core			1.94	62150	17.0	50.8	355.1	167	3.6	75.5	8.2	117	2.93	22	2.3	5.3	276	1.5	8.7	<0.5
851956	Drill Core			1.86	58255	23.8	28.2	393.2	310	2.2	62.0	4.5	451	2.30	17	5.4	2.9	1197	2.3	4.5	<0.5
851957	Drill Core			3.33	6245	7.8	16.1	55.4	175	0.8	30.7	4.6	869	2.36	<5	2.8	4.1	330	1.4	2.0	<0.5
853124	Drill Core			2.26	9501	52.3	52.1	70.0	54	0.6	94.4	12.8	61	3.42	31	16.1	5.2	127	0.6	12.9	<0.5
853125	Rock Pulp			0.02	934	4.5	2838	12364	21154	24.8	9.6	10.6	832	3.21	10	<0.5	1.1	61	114.5	35.9	0.8
853126	Drill Core			3.13	23461	37.0	30.9	21.5	734	<0.5	58.7	8.0	120	1.92	21	9.9	3.4	427	8.9	10.5	<0.5
853127	Drill Core			2.20	26986	38.5	28.4	19.3	718	<0.5	70.3	7.7	106	2.08	20	10.8	3.5	187	9.4	9.0	<0.5
853128	Drill Core			1.90	19502	28.0	27.5	67.2	1557	0.7	75.2	7.4	155	2.26	21	7.6	4.6	350	14.7	8.3	<0.5
853129	Drill Core			2.13	21260	33.9	73.6	533.3	4926	4.5	98.7	6.5	154	10.38	70	4.6	3.2	37	36.2	47.4	<0.5
853130	Rock Pulp			0.02	1010	0.5	13.4	5.0	37	<0.5	3.1	2.7	541	1.46	<5	1.7	5.6	9	<0.5	<0.5	<0.5
853131	Drill Core			2.37	14816	20.9	49.0	525.6	4541	4.1	69.5	5.5	188	7.03	55	1.9	3.9	229	33.0	37.2	<0.5
853132	Drill Core			3.39	6722	4.3	12.7	81.0	3468	0.7	25.0	2.1	158	1.73	11	0.6	0.9	454	24.4	5.1	<0.5
853133	Drill Core			2.57	10119	32.6	54.6	274.1	7647	4.7	105.0	8.8	76	3.63	54	6.1	5.2	142	48.6	15.8	<0.5
853134	Drill Core			1.85	11055	38.2	62.6	1064	5977	9.3	96.7	5.4	218	10.47	85	3.5	3.9	110	41.0	35.8	<0.5
853135	Drill Core			2.83	9534	47.1	48.7	1684	10617	5.9	118.7	5.0	345	14.47	111	3.5	3.4	133	70.1	34.6	<0.5
853136	Drill Core			1.19	12961	9.0	15.0	174.8	1788	0.6	47.1	6.9	84	1.50	14	2.0	6.5	53	11.5	3.0	<0.5

CERTIFICATE OF ANALYSIS VAN10006051.2

	Method	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**G8SG**
	Analyte	**V**	**Ca**	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**SG**
	Unit	**ppm**	**%**	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	
	MDL	**10**	**0.01**	**0.001**	**0.5**	**0.5**	**0.01**	**5**	**0.001**	**0.01**	**0.01**	**0.01**	**0.5**	**0.05**	**0.5**	**0.5**	**0.05**	**5**	**2**	**0**
851941	Rock Pulp	11	1.63	0.009	1.2	25.0	0.11	696	0.014	0.15	0.01	0.07	1.0	1.39	1.1	1.8	2.17	<5	14	N.A.
851942	Drill Core	50	1.41	0.065	3.9	7.6	0.25	1186	0.004	0.48	<0.01	0.29	<0.5	0.14	2.7	7.3	1.97	<5	6	2.57
851943	Drill Core	53	1.43	0.019	2.1	5.5	0.16	156	0.003	0.29	<0.01	0.14	<0.5	1.78	2.0	86.1	8.97	<5	13	3.20
851944	Drill Core	76	1.75	0.053	4.2	7.9	0.14	190	0.005	0.38	<0.01	0.24	<0.5	1.21	2.5	70.2	7.93	<5	20	2.69
851945	Drill Core	70	1.35	0.036	3.0	6.7	0.23	124	0.003	0.31	<0.01	0.16	0.5	2.59	2.7	69.6	8.77	<5	23	2.94
851946	Drill Core	76	1.63	0.033	3.9	6.7	0.15	157	0.005	0.34	<0.01	0.18	<0.5	1.53	2.8	57.8	7.88	<5	31	3.01
851947	Drill Core	99	1.11	0.033	4.0	9.2	0.11	136	0.005	0.31	<0.01	0.18	<0.5	0.54	2.8	87.3	13.82	<5	38	3.02
851948	Drill Core	35	1.05	0.009	1.7	6.6	0.06	174	0.002	0.11	<0.01	0.06	<0.5	0.71	1.2	34.9	6.96	<5	9	3.69
851949	Drill Core	48	2.25	0.008	5.2	3.2	0.18	416	0.001	0.10	<0.01	0.05	<0.5	0.58	1.4	47.5	9.63	<5	15	3.61
851950	Drill Core	72	1.57	0.007	5.3	5.7	0.26	210	0.002	0.19	<0.01	0.10	<0.5	0.40	2.4	45.2	8.97	<5	26	3.42
851951 DUP 851950 PULP	Drill Core	70	1.59	0.008	5.3	5.6	0.26	129	0.002	0.18	<0.01	0.10	<0.5	0.40	2.5	46.6	9.03	<5	25	3.37
851952	Drill Core	34	1.37	0.002	3.4	1.7	0.26	281	<0.001	0.09	<0.01	0.05	<0.5	0.27	1.1	17.2	3.90	<5	10	3.79
851953	Drill Core	59	0.86	0.004	4.0	5.1	0.12	161	0.001	0.13	<0.01	0.08	<0.5	0.60	1.0	35.3	7.01	<5	10	3.66
851954	Drill Core	63	2.30	0.028	18.5	10.1	0.16	201	0.002	0.24	<0.01	0.15	<0.5	0.40	3.7	32.8	7.18	<5	16	2.91
851955	Drill Core	79	0.70	0.036	21.8	13.4	0.22	961	0.005	0.45	<0.01	0.26	<0.5	0.16	4.7	8.7	2.67	<5	12	2.62
851956	Drill Core	42	10.02	0.073	10.8	8.2	0.53	2138	0.003	0.18	<0.01	0.11	<0.5	0.19	2.3	4.1	1.59	<5	5	2.64
851957	Drill Core	11	9.87	0.029	11.3	4.3	2.69	769	0.002	0.26	<0.01	0.17	<0.5	0.05	2.2	1.7	2.47	<5	<2	2.53
853124	Drill Core	41	0.44	0.060	14.5	5.8	0.06	1173	0.005	0.50	<0.01	0.24	<0.5	0.12	1.0	3.0	3.88	<5	4	2.11
853125	Rock Pulp	31	0.92	0.079	9.2	22.4	1.36	168	0.099	1.80	0.05	0.22	<0.5	0.16	1.0	<0.5	1.77	<5	<2	N.A.
853126	Drill Core	86	1.31	0.035	12.8	15.2	0.10	1803	0.004	0.26	<0.01	0.11	<0.5	0.10	1.0	1.8	1.96	<5	9	2.15
853127	Drill Core	92	0.64	0.041	12.8	16.5	0.09	2270	0.003	0.27	<0.01	0.11	<0.5	0.09	1.3	2.0	2.11	<5	10	2.14
853128	Drill Core	82	1.21	0.074	15.0	14.9	0.19	1773	0.008	0.34	<0.01	0.15	<0.5	0.12	1.1	2.1	2.28	<5	12	2.21
853129	Drill Core	49	0.26	0.046	12.7	5.5	0.04	180	0.003	0.82	<0.01	0.15	<0.5	0.63	0.7	18.0	11.99	<5	25	2.57
853130	Rock Pulp	13	0.12	0.012	7.1	12.2	0.22	131	0.074	0.63	0.10	0.29	<0.5	<0.05	2.7	<0.5	<0.05	<5	<2	N.A.
853131	Drill Core	46	1.01	0.040	14.9	7.0	0.10	275	0.003	0.42	<0.01	0.18	<0.5	0.65	0.7	15.5	7.85	<5	17	2.64
853132	Drill Core	26	2.16	0.019	4.4	14.3	0.20	3346	0.002	0.14	<0.01	0.07	<0.5	0.31	0.5	4.4	1.80	<5	6	2.42
853133	Drill Core	138	0.83	0.206	23.9	16.3	0.06	852	0.006	0.58	<0.01	0.25	<0.5	0.20	1.1	5.8	4.67	<5	27	2.31
853134	Drill Core	47	0.43	0.045	15.5	5.8	0.05	164	0.005	0.50	<0.01	0.20	<0.5	0.40	<0.5	25.0	11.98	<5	27	2.66
853135	Drill Core	44	0.74	0.044	12.2	7.0	0.07	133	0.009	0.46	<0.01	0.20	<0.5	0.45	1.3	33.9	17.15	<5	27	2.80
853136	Drill Core	47	0.39	0.064	24.2	5.2	0.15	3586	0.005	0.68	<0.01	0.26	<0.5	0.07	1.4	2.5	1.73	<5	6	2.46

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Project: AKIE
Report Date: November 30, 2010

CERTIFICATE OF ANALYSIS VAN10006051.2

	Method	7AR.1	7AR.1	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Pb	Zn	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi
	Unit	%	%	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.01	10	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5
853137	Drill Core			2.66	13404	39.6	45.2	1462	9304	4.9	98.4	5.3	543	12.63	86	3.2	2.8	345	59.0	28.2	<0.5
853138	Drill Core			1.76	14574	8.0	14.5	172.7	1218	<0.5	42.0	5.0	1132	1.52	13	1.9	5.3	540	7.6	2.8	<0.5
853139	Drill Core			2.72	13684	48.0	65.4	1406	13972	5.7	115.5	7.1	441	12.33	85	4.6	8.2	174	88.4	32.2	<0.5
853140 DUP 853139	Drill Core				13723	46.7	64.4	1452	13374	5.8	125.1	7.2	433	12.66	91	4.5	7.2	157	78.4	34.2	<0.5
853141	Drill Core			1.55	12143	14.2	13.0	139.8	2264	<0.5	49.3	6.2	149	1.59	12	2.9	6.3	316	14.6	3.7	<0.5
853142	Drill Core			2.20	11137	50.0	60.0	1620	8565	6.5	110.4	4.9	476	13.70	101	3.6	2.4	208	56.7	42.7	<0.5
853143	Drill Core			1.35	6725	35.2	19.4	220.2	4503	0.6	76.9	6.1	268	1.93	18	6.9	4.5	857	29.2	5.4	<0.5
853144	Drill Core			3.59	8809	35.2	55.8	1150	5735	5.1	101.7	5.9	290	10.75	82	2.7	4.0	121	37.0	31.2	<0.5
853145	Drill Core			3.10	13299	30.3	45.2	561.6	3865	2.9	83.0	6.9	225	4.90	43	3.1	3.8	247	24.7	18.5	<0.5
853146	Drill Core			3.52	41049	20.5	43.0	379.3	3677	3.5	69.3	4.7	374	7.64	48	1.9	2.6	1194	23.3	19.4	<0.5
853147	Drill Core			2.73	14167	38.1	81.9	1056	6554	6.7	110.7	5.1	290	15.71	94	2.5	2.4	214	38.6	37.7	<0.5
853148	Drill Core			3.62	9016	8.5	24.7	37.2	1443	0.7	57.5	8.0	109	1.92	12	1.5	6.9	127	8.7	6.1	<0.5
853149	Drill Core			3.09	8879	8.4	29.3	16.5	1566	0.5	56.3	8.1	126	1.86	10	1.6	7.2	199	8.3	6.3	<0.5
853150	Rock Pulp			0.02	847	21.3	6623	35143	27016	77.6	13.9	14.9	1221	4.20	61	1.1	3.1	15	102.0	280.0	8.0
853151	Drill Core			3.36	9134	8.8	27.3	24.5	1683	0.6	56.9	7.4	124	1.67	9	1.6	6.7	229	10.1	6.1	<0.5
853152	Drill Core			1.39	18700	7.6	21.8	35.3	1582	0.6	39.3	5.1	338	2.39	9	1.9	5.6	472	9.3	4.1	<0.5
853153	Drill Core			2.61	18537	35.8	104.5	743.7	7114	7.6	106.3	5.7	327	14.22	86	2.7	2.5	573	42.0	56.9	<0.5
853154	Drill Core			3.25	16844	12.3	14.1	33.0	1757	<0.5	65.2	7.5	104	1.77	9	2.6	6.1	138	10.2	5.0	<0.5
853155	Drill Core			3.34	26032	12.7	15.4	32.7	2671	<0.5	62.8	7.5	132	1.74	10	2.8	4.8	89	14.9	5.5	<0.5
853156	Drill Core			3.17	36992	36.3	87.7	1111	15926	5.4	101.3	3.7	429	17.79	94	2.8	0.8	344	90.1	82.9	<0.5
853157	Drill Core			1.01	20760	31.9	14.6	66.2	1890	<0.5	80.9	8.8	152	1.91	11	8.4	5.5	85	11.1	6.6	<0.5
853158	Drill Core			2.19	35711	27.0	49.8	920.9	8538	4.0	85.6	4.4	286	12.98	69	2.2	1.6	178	50.3	54.3	<0.5
853159	Drill Core			2.41	48745	25.1	74.1	618.7	9075	2.6	93.4	6.3	291	8.72	46	2.4	2.1	353	48.8	42.1	<0.5
853160	Rock Pulp			0.02	1002	0.6	12.9	3.8	27	<0.5	1.2	2.2	479	1.54	<5	1.4	4.4	9	<0.5	<0.5	<0.5
853161	Drill Core			2.02	30003	22.1	9.3	56.9	2172	<0.5	69.0	7.6	140	1.52	6	5.4	4.1	495	11.7	4.0	<0.5
853162	Drill Core			1.71	21851	23.5	21.6	154.4	4645	<0.5	85.4	8.7	129	2.18	10	4.2	4.5	122	25.6	8.3	<0.5
853163	Drill Core			1.91	78679	30.9	91.1	760.9	12187	3.0	106.1	6.4	530	11.18	57	3.5	1.0	495	67.1	57.0	<0.5
853164	Drill Core			1.91	32285	6.8	12.8	74.1	264	<0.5	33.0	4.9	241	1.64	7	2.2	4.0	406	1.2	4.1	<0.5
853165	Drill Core			2.16	37831	37.9	79.3	705.3	9264	2.6	128.9	8.3	224	8.80	45	4.2	2.9	464	51.2	48.3	<0.5
853166	Drill Core			1.82	20611	9.2	7.5	129.4	385	<0.5	36.7	5.6	117	1.53	6	3.2	5.0	75	1.3	3.3	<0.5

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Project: AKIE
Report Date: November 30, 2010

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CERTIFICATE OF ANALYSIS VAN10006051.2

	Method	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**G8SG**
	Analyte	**V**	**Ca**	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**SG**
	Unit	**ppm**	**%**	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	
	MDL	**10**	**0.01**	**0.001**	**0.5**	**0.5**	**0.01**	**5**	**0.001**	**0.01**	**0.01**	**0.01**	**0.5**	**0.05**	**0.5**	**0.5**	**0.05**	**5**	**2**	**0**
853137	Drill Core	46	2.77	0.043	10.5	6.1	0.32	133	0.004	0.53	<0.01	0.17	<0.5	0.30	1.7	26.4	15.02	<5	25	2.74
853138	Drill Core	100	6.48	0.085	23.0	6.5	0.36	4851	0.005	0.64	0.01	0.22	<0.5	<0.05	2.1	1.7	1.51	<5	7	2.41
853139	Drill Core	59	1.51	0.090	28.4	8.2	0.36	161	0.005	0.58	<0.01	0.21	<0.5	0.26	2.5	29.7	14.19	<5	29	2.68
853140 DUP 853139	Drill Core	53	1.31	0.076	23.7	8.1	0.31	143	0.005	0.53	<0.01	0.19	<0.5	0.35	1.9	31.0	14.82	<5	31	2.67
853141	Drill Core	52	1.90	0.068	29.7	5.6	0.24	3399	0.004	0.58	<0.01	0.24	<0.5	<0.05	1.9	2.3	1.71	<5	9	2.39
853142	Drill Core	45	3.05	0.043	8.7	6.6	0.15	129	0.003	0.49	<0.01	0.16	<0.5	0.30	1.4	31.0	16.39	<5	34	2.77
853143	Drill Core	65	5.65	0.092	20.3	4.3	0.34	1307	0.004	0.39	<0.01	0.21	<0.5	<0.05	2.2	2.5	2.16	<5	16	2.28
853144	Drill Core	40	0.89	0.029	13.6	6.1	0.22	150	0.003	0.38	<0.01	0.21	<0.5	0.23	1.4	22.1	12.38	<5	23	2.68
853145	Drill Core	51	1.65	0.016	14.7	4.7	0.40	431	0.003	0.36	<0.01	0.20	<0.5	<0.05	1.9	9.6	5.74	<5	20	2.40
853146	Drill Core	41	3.71	0.030	10.1	6.5	0.50	189	0.003	0.29	<0.01	0.15	<0.5	0.11	2.2	12.5	8.48	<5	16	2.60
853147	Drill Core	41	0.63	0.026	8.8	6.5	0.08	99	0.004	0.34	<0.01	0.17	<0.5	0.36	1.0	30.1	18.61	<5	29	2.82
853148	Drill Core	40	0.71	0.057	22.8	4.6	0.25	1248	0.004	0.50	<0.01	0.27	<0.5	<0.05	2.3	3.1	2.14	<5	10	2.43
853149	Drill Core	42	0.99	0.065	25.6	5.2	0.26	851	0.004	0.51	<0.01	0.28	<0.5	<0.05	2.5	2.9	2.10	<5	10	2.44
853150	Rock Pulp	25	0.27	0.018	5.9	10.1	0.30	248	0.084	0.54	0.07	0.36	1.1	6.40	2.8	9.0	4.09	<5	4	N.A.
853151	Drill Core	43	1.19	0.069	25.7	5.6	0.28	1123	0.004	0.51	<0.01	0.28	<0.5	<0.05	1.9	3.0	1.91	<5	6	2.42
853152	Drill Core	46	2.44	0.071	19.4	6.2	0.68	1465	0.004	0.57	<0.01	0.19	<0.5	<0.05	3.2	2.6	2.56	<5	11	2.48
853153	Drill Core	42	1.54	0.039	8.4	5.0	0.17	91	0.003	0.34	<0.01	0.16	<0.5	0.32	1.7	32.9	16.90	<5	29	2.88
853154	Drill Core	52	0.77	0.069	21.9	6.7	0.23	2459	0.004	0.80	<0.01	0.24	<0.5	<0.05	2.6	3.5	1.93	<5	9	2.48
853155	Drill Core	62	0.63	0.067	22.9	5.5	0.28	1711	0.003	0.99	<0.01	0.20	<0.5	0.06	2.2	3.4	1.59	<5	11	2.49
853156	Drill Core	91	2.03	0.027	4.0	4.2	0.14	82	0.002	0.30	<0.01	0.10	<0.5	0.53	1.7	58.2	20.23	<5	47	2.91
853157	Drill Core	112	0.36	0.049	22.5	7.2	0.23	1398	0.004	0.70	<0.01	0.25	<0.5	0.08	3.0	4.9	1.99	<5	12	2.19
853158	Drill Core	68	0.58	0.016	7.7	4.9	0.13	148	0.002	0.38	<0.01	0.13	<0.5	0.33	1.6	36.9	14.31	<5	40	2.73
853159	Drill Core	68	1.65	0.014	9.2	5.3	0.29	311	0.003	0.46	<0.01	0.16	<0.5	0.25	1.7	23.8	9.18	<5	34	2.69
853160	Rock Pulp	15	0.12	0.017	7.4	11.7	0.21	124	0.081	0.58	0.09	0.28	<0.5	<0.05	3.0	<0.5	<0.05	<5	<2	N.A.
853161	Drill Core	84	1.46	0.018	21.5	6.0	0.28	2818	0.003	0.58	<0.01	0.22	<0.5	<0.05	2.1	2.5	1.25	<5	13	2.25
853162	Drill Core	74	0.57	0.020	17.7	5.3	0.25	948	0.003	0.58	<0.01	0.23	<0.5	0.10	2.3	4.9	2.39	<5	18	2.29
853163	Drill Core	66	2.98	0.010	4.8	3.9	0.24	176	0.003	0.33	<0.01	0.12	<0.5	0.28	2.0	39.0	11.32	<5	59	2.78
853164	Drill Core	59	1.09	0.017	16.5	5.9	0.29	2288	0.002	0.53	<0.01	0.20	<0.5	<0.05	2.3	2.5	1.19	<5	10	2.43
853165	Drill Core	88	0.92	0.027	11.5	5.1	0.15	231	0.004	0.50	<0.01	0.19	<0.5	0.21	1.5	29.4	9.69	<5	58	2.55
853166	Drill Core	80	0.41	0.034	21.9	5.9	0.23	2447	0.003	0.79	<0.01	0.21	<0.5	<0.05	2.1	3.0	1.42	<5	8	2.50

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	Method	7AR.1	7AR.1	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Pb	Zn	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi
	Unit	%	%	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.01	10	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5
853167	Drill Core			2.70	33348	37.3	72.7	1365	14354	4.1	104.9	5.6	348	13.53	56	3.7	1.7	333	74.5	69.5	<0.5
853168	Drill Core			2.41	77252	28.3	69.2	1176	26141	3.3	93.6	7.4	315	11.49	34	4.0	0.9	736	126.7	50.4	<0.5
853169	Drill Core			2.82	73642	30.4	65.6	1487	24525	3.7	89.6	5.1	352	12.83	43	4.2	1.1	672	117.8	60.4	<0.5
853170 DUP 853169 PULP	Drill Core				72770	30.7	66.3	1469	24158	3.6	88.9	5.3	351	12.71	43	4.2	1.1	684	118.5	60.4	<0.5
853171	Drill Core			2.32	77718	29.1	61.5	1399	24784	3.2	94.2	6.2	302	11.56	37	4.7	1.4	660	119.4	52.8	<0.5
853172	Drill Core			2.32	62556	10.1	6.7	212.1	146	<0.5	33.3	4.7	213	1.50	6	3.9	4.8	1300	0.6	3.2	<0.5
853173	Drill Core			1.43	30782	36.7	79.4	905.6	8810	2.7	123.5	8.1	227	9.28	45	4.1	3.2	162	46.2	47.6	<0.5
853174	Drill Core			1.93	35689	21.5	56.2	695.1	10727	2.0	80.9	5.9	235	7.27	35	2.8	3.5	505	53.0	30.8	<0.5
853175	Drill Core			1.53	14380	22.6	11.9	252.5	6117	<0.5	79.9	7.4	77	1.57	8	5.5	5.5	78	28.8	5.0	<0.5
853176	Drill Core			2.62	38343	25.7	56.1	1069	11166	3.1	90.3	5.6	317	10.46	49	2.8	2.2	639	54.4	41.6	<0.5
853177	Drill Core			3.06	49594	38.3	84.4	2006	28109	5.5	99.2	3.5	387	19.07	86	3.1	0.7	83	130.9	74.0	<0.5
853178	Drill Core			2.14	43677	22.3	37.2	1269	13907	2.6	79.1	6.0	291	7.61	32	3.4	2.9	496	61.0	26.5	<0.5
853179	Drill Core			2.48	53280	20.5	34.5	898.9	11063	1.4	73.5	5.6	229	5.14	22	4.0	3.9	1118	53.2	20.9	<0.5
853180	Rock Pulp			0.02	853	21.9	6370	34323	28762	79.0	12.7	14.8	1116	4.34	60	1.0	2.7	14	103.9	252.7	6.7
853181	Drill Core			2.70	50596	29.6	56.2	2522	26112	4.2	81.1	4.6	347	13.29	49	3.8	1.3	341	126.8	50.6	<0.5
853182	Drill Core			2.77	119015	24.0	37.4	2323	21976	4.1	65.8	3.7	308	11.10	46	2.6	1.0	227	110.4	32.0	<0.5
853183	Drill Core			1.88	65848	24.7	39.3	4250	46129	6.2	75.0	3.5	603	14.41	62	2.4	0.8	370	221.4	32.2	<0.5
853184	Drill Core			2.27	34056	21.8	35.3	1239	10791	1.8	86.5	7.8	149	4.25	24	3.8	4.5	414	55.0	12.5	<0.5
853185	Drill Core			2.88	47381	25.1	46.3	3473	31895	6.2	80.0	5.1	359	10.76	55	2.8	2.1	469	173.8	31.6	<0.5
853186	Drill Core			2.05	15815	21.9	35.4	963.1	5718	2.7	86.5	6.6	108	2.92	36	3.8	3.3	795	38.0	8.7	<0.5
853187	Drill Core			2.61	19707	33.0	51.9	3956	22823	6.7	88.1	5.7	400	13.47	80	3.0	2.5	251	133.3	24.0	<0.5
853188	Drill Core			2.54	19114	31.3	42.5	2310	15011	4.3	95.0	6.6	394	8.91	52	3.7	6.7	349	90.5	17.8	<0.5
853189	Drill Core			1.46	16736	41.6	53.5	2708	16662	6.6	107.7	4.6	377	15.47	91	3.6	2.1	122	99.2	33.6	<0.5
853190	Rock Pulp			0.02	996	<0.5	14.8	5.4	41	<0.5	2.4	2.6	502	1.51	<5	1.5	5.2	12	<0.5	<0.5	<0.5
853191	Drill Core			1.30	23254	25.8	32.2	1419	12741	2.8	80.6	6.0	255	7.15	45	4.5	4.5	163	75.5	13.7	<0.5
853192	Drill Core			1.92	31960	33.5	40.2	2780	15261	6.0	91.8	4.4	414	15.26	94	3.2	1.5	358	85.8	28.0	<0.5
853193	Drill Core			1.60	17601	32.3	58.0	1795	11811	5.3	96.1	6.1	310	11.16	75	3.0	3.6	157	71.4	31.2	<0.5
853194	Drill Core			1.14	13386	24.5	16.4	728.2	6325	1.0	91.0	8.5	103	1.57	11	5.0	5.9	143	40.1	3.8	<0.5
853195	Drill Core			2.30	26083	31.8	48.2	1579	7247	3.9	86.7	6.0	257	8.51	64	2.9	3.5	398	45.4	22.4	<0.5
853196	Drill Core			2.12	60630	27.7	36.2	6600	44615	9.6	74.7	4.2	468	14.57	90	2.4	0.9	459	247.3	23.0	<0.5

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CERTIFICATE OF ANALYSIS VAN10006051.2

	Method	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**G8SG**
	Analyte	**V**	**Ca**	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**SG**
	Unit	**ppm**	**%**	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	
	MDL	**10**	**0.01**	**0.001**	**0.5**	**0.5**	**0.01**	**5**	**0.001**	**0.01**	**0.01**	**0.01**	**0.5**	**0.05**	**0.5**	**0.5**	**0.05**	**5**	**2**	**0**
853167	Drill Core	110	1.72	0.020	7.1	6.0	0.16	95	0.003	0.40	<0.01	0.15	0.6	0.34	1.8	47.6	15.57	<5	67	2.75
853168	Drill Core	86	2.36	0.019	5.1	4.3	0.23	153	0.002	0.31	<0.01	0.11	<0.5	0.44	2.4	45.5	12.53	<5	51	2.82
853169	Drill Core	95	2.42	0.034	5.7	4.6	0.21	126	0.003	0.28	<0.01	0.10	<0.5	0.41	2.3	53.2	14.18	<5	55	2.83
853170 DUP 853169 PULP	Drill Core	94	2.42	0.033	5.7	5.1	0.21	230	0.003	0.26	<0.01	0.10	<0.5	0.43	2.0	53.8	14.09	<5	59	2.88
853171	Drill Core	100	2.20	0.036	6.9	5.4	0.22	192	0.003	0.28	<0.01	0.12	<0.5	0.43	2.8	51.4	12.52	<5	57	2.79
853172	Drill Core	69	1.62	0.052	31.2	5.8	0.39	8937	0.004	0.80	<0.01	0.16	<0.5	<0.05	3.1	2.8	0.64	<5	11	2.45
853173	Drill Core	81	0.46	0.036	12.5	5.3	0.14	201	0.004	0.44	<0.01	0.16	<0.5	0.18	1.6	33.8	10.34	<5	53	2.52
853174	Drill Core	75	0.97	0.041	14.4	6.6	0.24	324	0.004	0.54	<0.01	0.19	<0.5	0.20	2.1	28.0	7.94	<5	32	2.58
853175	Drill Core	81	0.38	0.070	21.5	7.0	0.17	1857	0.004	0.41	<0.01	0.22	<0.5	0.11	1.9	4.3	2.00	<5	16	2.24
853176	Drill Core	73	1.30	0.030	8.5	5.3	0.21	179	0.003	0.27	<0.01	0.13	0.5	0.25	2.2	37.1	11.66	<5	31	2.70
853177	Drill Core	105	0.89	0.011	3.0	7.0	0.15	93	0.002	0.17	<0.01	0.09	0.5	0.54	2.8	81.3	22.12	<5	51	3.09
853178	Drill Core	79	1.24	0.025	12.4	6.9	0.22	254	0.003	0.38	<0.01	0.17	<0.5	0.30	2.5	35.7	8.41	<5	26	2.58
853179	Drill Core	71	1.39	0.036	17.0	5.8	0.28	429	0.003	0.60	<0.01	0.18	<0.5	0.19	2.5	21.7	5.21	<5	23	2.53
853180	Rock Pulp	35	0.27	0.024	5.8	10.9	0.27	239	0.088	0.56	0.07	0.35	1.1	5.92	2.8	8.3	4.07	<5	4	N.A.
853181	Drill Core	100	0.84	0.023	6.3	6.2	0.18	133	0.002	0.36	<0.01	0.11	<0.5	0.49	2.5	72.2	15.49	<5	46	2.92
853182	Drill Core	92	2.06	0.014	5.1	6.3	0.21	148	0.001	0.39	<0.01	0.09	<0.5	0.47	3.2	64.2	11.24	<5	32	3.02
853183	Drill Core	81	2.95	0.023	3.7	6.7	0.29	338	0.002	0.26	<0.01	0.08	<0.5	0.89	3.2	98.6	17.39	<5	26	3.14
853184	Drill Core	74	0.51	0.047	17.1	7.2	0.16	577	0.003	0.67	<0.01	0.21	<0.5	0.22	2.7	22.4	4.64	<5	16	2.46
853185	Drill Core	83	1.22	0.038	8.8	7.3	0.19	188	0.004	0.74	<0.01	0.14	<0.5	0.73	2.8	75.3	12.69	<5	23	2.82
853186	Drill Core	129	0.88	0.140	10.7	15.2	0.10	726	0.005	0.45	<0.01	0.22	<0.5	0.14	1.5	9.3	3.13	<5	17	2.23
853187	Drill Core	76	0.91	0.041	8.3	7.7	0.19	95	0.004	0.37	<0.01	0.17	<0.5	0.71	2.0	73.7	16.03	<5	24	2.71
853188	Drill Core	81	1.14	0.076	21.9	9.1	0.29	190	0.005	0.50	<0.01	0.20	<0.5	0.47	2.5	46.9	10.47	<5	19	2.52
853189	Drill Core	80	0.40	0.035	8.3	7.1	0.13	109	0.004	0.40	<0.01	0.15	<0.5	0.54	1.7	78.9	18.17	<5	27	2.73
853190	Rock Pulp	17	0.14	0.018	10.2	13.3	0.20	138	0.079	0.58	0.09	0.30	<0.5	<0.05	2.6	<0.5	<0.05	<5	<2	N.A.
853191	Drill Core	77	0.63	0.070	15.9	8.1	0.23	263	0.004	0.74	<0.01	0.20	<0.5	0.40	1.9	39.9	8.36	<5	17	2.43
853192	Drill Core	79	0.79	0.045	7.5	7.6	0.20	114	0.004	0.67	<0.01	0.15	<0.5	0.59	1.5	74.5	17.71	<5	28	2.78
853193	Drill Core	83	0.70	0.045	12.5	8.1	0.25	160	0.004	0.59	<0.01	0.20	<0.5	0.44	1.9	55.2	13.05	<5	29	2.57
853194	Drill Core	91	0.72	0.086	19.7	8.7	0.12	2569	0.005	0.60	<0.01	0.27	<0.5	0.19	1.3	5.4	2.00	<5	12	2.18
853195	Drill Core	84	0.62	0.050	12.0	8.8	0.20	172	0.006	0.66	<0.01	0.21	<0.5	0.34	1.7	47.2	9.65	<5	19	2.73
853196	Drill Core	88	0.95	0.032	5.1	8.7	0.19	203	0.003	0.73	<0.01	0.14	<0.5	1.40	1.9	119.3	17.55	<5	23	3.12

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	Method	7AR.1	7AR.1	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	**Pb**	**Zn**	**Wgt**	**Ba**	**Mo**	**Cu**	**Pb**	**Zn**	**Ag**	**Ni**	**Co**	**Mn**	**Fe**	**As**	**U**	**Th**	**Sr**	**Cd**	**Sb**	**Bi**
	Unit	**%**	**%**	**kg**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**
	MDL	**0.01**	**0.01**	**0.01**	**10**	**0.5**	**0.5**	**0.5**	**5**	**0.5**	**0.5**	**0.5**	**5**	**0.01**	**5**	**0.5**	**0.5**	**5**	**0.5**	**0.5**	**0.5**
853197	Drill Core			2.35	32637	24.8	72.7	15175	100769	13.4	78.4	4.5	479	9.80	62	3.7	1.5	477	530.1	40.6	<0.5
853198	Drill Core			3.24	7093	17.7	29.8	1380	2030	1.0	77.0	7.6	172	1.84	16	3.7	6.4	314	12.9	9.5	<0.5
853199	Drill Core			3.08	6935	19.0	33.8	272.3	2500	0.5	73.9	8.4	192	1.98	17	3.9	7.3	263	15.7	7.6	<0.5
853200 DUP 853199	Drill Core				7176	19.1	34.3	266.3	2462	0.6	74.6	9.2	189	1.97	15	4.3	7.6	258	15.6	7.2	<0.5
853201	Drill Core			3.04	7253	18.9	40.2	207.0	2029	0.5	72.1	8.0	212	2.01	16	4.2	7.2	312	12.3	8.3	<0.5
853202	Drill Core			3.06	6719	18.7	43.1	200.8	2152	0.6	71.1	8.2	190	1.95	15	4.4	6.8	313	13.9	8.3	<0.5
853203	Drill Core			3.48	7122	18.6	33.7	249.4	2527	0.5	73.8	8.0	195	1.95	13	4.1	6.8	384	16.3	8.1	<0.5
853204	Drill Core			2.32	7795	16.2	20.7	321.9	2778	0.5	70.2	7.3	205	1.79	11	4.1	6.5	345	16.1	6.9	<0.5
853205	Drill Core			2.06	9862	16.0	21.9	897.3	3240	0.6	65.5	7.2	280	1.92	9	3.9	6.7	417	20.6	6.7	<0.5
853206	Drill Core			1.92	27839	18.8	67.7	12533	71625	16.1	68.5	3.4	1100	16.68	55	2.5	1.0	382	454.4	53.3	<0.5
853207	Drill Core			2.64	49978	22.9	47.6	14143	70131	13.7	60.0	4.2	521	11.17	38	3.7	2.0	445	416.5	33.1	<0.5
853208	Drill Core			2.97	44960	25.7	65.8	18289	100186	16.3	66.5	4.3	605	10.96	44	3.8	1.2	394	579.6	48.6	<0.5
853209	Drill Core			1.46	18612	11.0	24.3	1125	2123	0.8	68.8	7.7	125	1.64	12	2.7	6.2	102	11.2	5.2	<0.5
853210	Rock Pulp			0.02	935	4.0	2899	12516	21293	25.3	11.0	11.0	858	3.48	14	<0.5	1.1	92	124.9	34.6	0.8
853211	Drill Core			3.56	64542	21.4	61.4	9737	56639	10.0	70.1	4.8	568	7.69	38	3.4	1.8	797	331.6	43.4	<0.5
853212	Drill Core			1.33	21912	15.3	20.8	1017	3357	0.8	74.4	8.1	66	1.54	11	3.3	5.3	94	18.6	5.2	<0.5
853213	Drill Core			1.78	63412	22.9	63.6	16136	82903	12.5	67.7	4.8	663	10.75	41	4.2	1.3	332	503.3	70.8	<0.5
853214	Drill Core			0.81	29137	10.9	26.4	1299	6566	1.5	65.7	7.0	317	2.47	11	2.7	6.2	192	37.7	10.5	<0.5
853215	Drill Core			1.88	22044	25.8	69.3	4745	30100	12.0	62.8	4.8	938	14.63	63	3.7	1.9	172	190.4	87.7	<0.5
853216	Drill Core			1.16	27403	23.1	36.7	1768	10030	3.2	75.3	5.8	459	4.73	30	4.4	4.5	1335	61.1	27.3	<0.5
853217	Drill Core			1.81	26140	33.2	85.0	5564	26105	7.4	78.8	5.5	518	10.35	59	4.4	3.1	210	163.3	63.7	<0.5
853218	Drill Core			1.57	17024	24.1	55.7	1664	12520	2.8	78.1	6.3	247	4.93	46	5.4	3.9	312	75.2	31.0	<0.5
853219	Drill Core			2.03	10401	27.9	34.3	474.3	7531	1.9	83.8	6.3	207	1.77	21	7.4	3.9	347	47.1	10.5	<0.5
853220	Rock Pulp			0.02	992	<0.5	14.2	4.7	36	<0.5	1.5	2.6	543	1.55	<5	1.6	5.2	11	<0.5	<0.5	<0.5
853221	Drill Core			1.81	12704	28.0	64.3	841.9	4412	2.2	90.5	7.5	254	3.72	66	4.8	4.5	530	27.6	31.5	<0.5
853222	Drill Core			2.11	10054	12.9	20.2	178.0	3986	0.6	62.6	5.8	417	1.98	11	2.9	5.0	443	25.2	7.6	<0.5
853223	Drill Core			2.64	22035	18.5	27.6	193.7	3839	0.7	86.8	8.3	227	1.82	19	4.0	7.0	259	23.1	9.6	<0.5
853224	Drill Core			2.08	22846	17.1	29.1	328.4	4118	0.8	70.3	6.4	539	2.56	15	4.1	4.9	647	25.9	11.2	<0.5
853225	Drill Core			2.33	14200	18.9	32.7	313.4	6780	1.0	81.3	7.7	579	3.33	14	4.7	5.2	244	42.0	12.0	<0.5
853226	Drill Core			2.26	17198	18.9	43.2	337.4	7158	1.5	77.3	8.1	842	4.59	20	3.3	4.9	314	42.5	17.7	<0.5

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Project: AKIE
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	Method	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG
	Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG
	Unit	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
	MDL	10	0.01	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0
853197	Drill Core	79	1.09	0.032	7.3	14.6	0.35	142	0.003	0.61	<0.01	0.15	<0.5	2.34	1.8	170.5	15.59	<5	28	2.95
853198	Drill Core	91	1.21	0.072	18.4	8.1	0.34	1620	0.006	0.62	<0.01	0.33	<0.5	0.11	2.4	6.0	1.98	<5	16	2.46
853199	Drill Core	88	1.47	0.079	20.5	8.6	0.44	1057	0.006	0.63	<0.01	0.36	<0.5	0.10	3.3	4.7	2.07	<5	9	2.47
853200 DUP 853199	Drill Core	91	1.46	0.080	20.7	8.8	0.45	1112	0.005	0.66	<0.01	0.36	<0.5	0.07	3.2	4.5	2.05	<5	9	2.45
853201	Drill Core	91	1.76	0.081	17.9	8.5	0.48	1294	0.005	0.65	<0.01	0.37	<0.5	0.09	2.9	5.0	2.10	<5	7	2.46
853202	Drill Core	99	1.73	0.085	18.3	9.3	0.46	1223	0.006	0.71	<0.01	0.38	<0.5	0.07	3.3	4.8	2.04	<5	11	2.42
853203	Drill Core	96	1.98	0.084	17.4	7.6	0.49	1353	0.006	0.67	<0.01	0.33	<0.5	0.09	3.4	4.2	2.12	<5	10	2.49
853204	Drill Core	86	1.91	0.082	16.7	7.7	0.49	1576	0.006	0.60	<0.01	0.30	<0.5	0.09	2.8	4.2	2.00	<5	8	2.44
853205	Drill Core	81	2.14	0.085	17.9	7.7	0.58	2236	0.006	0.57	<0.01	0.30	<0.5	0.11	3.1	4.6	2.20	<5	12	2.45
853206	Drill Core	79	0.95	0.015	4.4	5.1	0.25	86	0.003	0.32	<0.01	0.13	<0.5	2.27	1.5	118.7	22.14	<5	35	3.09
853207	Drill Core	103	0.64	0.025	9.0	6.9	0.24	196	0.003	0.61	<0.01	0.12	<0.5	2.18	2.5	127.4	15.30	<5	36	2.98
853208	Drill Core	119	0.83	0.016	6.1	7.6	0.23	142	0.004	0.36	<0.01	0.11	<0.5	2.96	2.4	169.2	16.71	5	48	2.98
853209	Drill Core	79	0.41	0.042	18.1	8.0	0.25	2793	0.006	0.61	<0.01	0.29	<0.5	0.16	2.4	8.8	1.79	<5	12	2.48
853210	Rock Pulp	47	1.17	0.078	11.5	24.5	1.44	206	0.122	1.98	0.06	0.24	<0.5	0.19	2.2	<0.5	1.83	6	2	I.S.
853211	Drill Core	86	2.03	0.030	8.2	6.8	0.31	205	0.004	0.46	<0.01	0.16	<0.5	1.59	2.4	118.1	10.38	<5	42	2.84
853212	Drill Core	77	0.38	0.037	18.9	8.2	0.13	2974	0.005	0.52	<0.01	0.27	<0.5	0.17	1.8	7.7	1.73	<5	12	2.41
853213	Drill Core	87	1.99	0.018	6.7	4.8	0.30	159	0.002	0.35	<0.01	0.14	0.6	2.47	1.6	129.9	15.15	6	56	2.93
853214	Drill Core	71	1.21	0.044	23.0	7.7	0.50	1031	0.004	0.92	<0.01	0.26	<0.5	0.27	3.5	18.4	2.67	<5	13	2.51
853215	Drill Core	99	1.45	0.029	8.0	5.9	0.18	82	0.004	0.37	<0.01	0.16	0.6	1.15	1.8	100.9	17.91	<5	42	2.92
853216	Drill Core	88	1.62	0.051	15.9	6.0	0.19	441	0.005	0.58	<0.01	0.23	<0.5	0.31	2.4	39.1	5.49	<5	19	2.61
853217	Drill Core	117	1.08	0.048	12.1	7.9	0.16	121	0.007	0.58	<0.01	0.22	0.5	0.91	2.2	92.9	12.71	<5	50	2.86
853218	Drill Core	103	1.14	0.040	18.5	7.2	0.10	308	0.006	0.55	<0.01	0.24	<0.5	0.49	1.6	44.9	5.94	<5	35	2.52
853219	Drill Core	121	1.03	0.089	14.4	10.4	0.07	2174	0.006	0.48	<0.01	0.24	<0.5	0.29	1.7	11.2	2.18	<5	23	2.38
853220	Rock Pulp	18	0.12	0.016	8.9	14.0	0.21	137	0.082	0.60	0.09	0.33	<0.5	<0.05	3.6	<0.5	<0.05	<5	<2	N.A.
853221	Drill Core	109	1.55	0.056	15.8	7.6	0.10	729	0.006	0.49	<0.01	0.26	<0.5	0.20	1.8	27.8	4.22	<5	47	2.48
853222	Drill Core	104	2.06	0.120	18.3	9.2	0.51	2074	0.008	0.57	<0.01	0.29	0.8	0.13	3.1	5.1	2.25	<5	11	2.43
853223	Drill Core	137	1.47	0.182	23.9	13.5	0.45	2636	0.008	0.70	<0.01	0.35	<0.5	0.18	3.3	5.6	2.02	<5	15	2.42
853224	Drill Core	94	3.27	0.065	17.8	7.8	0.33	889	0.006	0.49	<0.01	0.25	<0.5	0.14	2.4	10.3	2.69	<5	17	2.49
853225	Drill Core	100	1.71	0.053	19.3	8.8	0.29	1002	0.007	0.54	<0.01	0.29	<0.5	0.25	2.4	13.9	3.98	<5	19	2.43
853226	Drill Core	90	2.45	0.027	18.9	8.6	0.35	562	0.006	0.51	<0.01	0.27	<0.5	0.28	2.9	20.1	5.44	<5	20	2.52

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	Method	7AR.1	7AR.1	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Pb	Zn	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi
	Unit	%	%	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.01	10	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5
853227	Drill Core			1.87	47380	10.1	55.8	467.9	8606	2.9	60.1	4.2	1260	9.84	52	2.1	1.5	374	51.4	24.3	<0.5
853228	Drill Core			2.07	41773	10.3	28.7	305.8	1073	2.9	53.6	3.6	1376	4.40	36	1.8	2.3	905	7.1	11.3	<0.5
853229	Drill Core			1.18	44057	19.1	29.6	302.5	380	0.8	84.4	7.1	234	2.53	22	4.2	2.7	361	3.1	9.3	<0.5
853230 DUP 853229 PULP	Drill Core				42466	19.2	27.8	292.7	381	0.7	84.2	6.6	225	2.58	20	4.4	2.7	348	3.3	9.4	<0.5
853231	Drill Core			2.19	28435	37.4	30.6	287.7	1222	0.8	89.7	7.8	131	2.19	18	10.3	3.2	231	11.1	11.1	<0.5
853232	Drill Core			1.90	21651	39.5	32.7	252.7	2987	0.7	90.0	8.1	79	2.12	16	11.0	3.7	43	27.9	8.9	<0.5
853233	Drill Core			1.63	119368	13.8	31.9	253.2	28	0.8	48.9	8.0	232	3.49	21	4.4	4.4	460	<0.5	8.2	<0.5
853234	Drill Core			1.24	236063	9.1	16.9	121.3	31	<0.5	25.8	3.1	876	1.37	7	3.4	2.7	1717	<0.5	4.6	<0.5
853235	Drill Core			2.96	314686	10.6	19.4	143.7	20	<0.5	30.5	5.0	218	1.80	8	3.3	2.9	1078	<0.5	4.9	<0.5
853236	Drill Core			3.17	272989	20.8	21.3	158.7	23	0.5	27.5	5.9	202	1.97	11	4.9	3.0	976	<0.5	5.9	<0.5
853237	Drill Core			2.04	158857	43.1	32.1	215.2	20	0.7	40.2	7.0	227	2.61	14	9.0	3.9	422	<0.5	9.6	<0.5
853238	Drill Core			3.10	28445	26.3	19.5	122.7	174	0.6	50.5	5.0	770	1.64	9	8.9	2.8	808	1.4	6.8	<0.5
853239	Drill Core			3.07	12195	20.8	30.8	92.6	53	0.8	80.0	6.1	610	2.24	10	8.5	3.6	409	0.5	11.0	<0.5
853240	Rock Pulp			0.02	928	3.5	2900	12603	21457	24.7	10.1	10.4	854	3.51	11	<0.5	1.1	91	127.8	36.5	0.9
853241	Drill Core			1.15	7939	11.0	39.4	153.2	35	1.5	39.1	3.6	1062	10.52	14	4.2	1.6	566	<0.5	20.0	<0.5
853242	Drill Core			1.20	10925	10.4	23.2	63.2	19	0.8	34.3	2.8	1174	3.40	7	4.5	1.9	617	<0.5	10.8	<0.5
853243	Drill Core			1.44	10565	6.8	38.5	117.1	28	1.3	18.5	1.6	1204	9.17	12	2.9	1.1	558	<0.5	19.1	<0.5
853244	Drill Core			2.56	45201	7.1	10.6	35.0	17	<0.5	20.7	1.4	961	0.97	<5	3.6	1.4	993	<0.5	4.6	<0.5
853245	Drill Core			3.14	55934	10.4	16.0	52.2	142	<0.5	37.6	2.9	752	1.24	<5	3.9	1.9	991	1.4	9.2	<0.5
853246	Drill Core			2.03	16047	26.2	73.3	156.3	1139	2.1	92.0	7.6	257	6.54	23	8.5	4.2	119	11.3	36.4	<0.5
853247	Drill Core			2.60	17516	25.7	58.8	133.2	1282	3.0	108.9	7.2	107	3.53	27	8.6	4.8	113	12.1	30.6	<0.5
853248	Drill Core			3.13	16366	34.1	47.0	100.9	2084	1.3	100.9	8.4	140	2.50	27	11.1	4.9	193	20.8	20.2	<0.5
853249	Drill Core			2.91	12882	28.7	43.1	68.8	89	1.0	94.1	8.4	163	1.99	18	10.5	5.0	251	1.3	14.5	<0.5
853250	Rock Pulp			0.02	997	0.6	12.7	3.5	28	<0.5	1.2	2.9	530	1.53	<5	1.3	5.6	12	<0.5	<0.5	<0.5
853251	Drill Core			1.74	9943	24.6	27.1	45.1	11	0.6	76.4	7.4	436	2.38	12	8.0	4.7	273	<0.5	9.7	<0.5
853252	Drill Core			2.56	4938	25.3	41.6	58.5	435	0.8	85.1	7.9	201	2.31	17	8.4	3.6	215	4.2	12.1	<0.5

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CERTIFICATE OF ANALYSIS VAN10006051.2

	Method	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**G8SG**
	Analyte	**V**	**Ca**	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**SG**
	Unit	**ppm**	**%**	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	
	MDL	**10**	**0.01**	**0.001**	**0.5**	**0.5**	**0.01**	**5**	**0.001**	**0.01**	**0.01**	**0.01**	**0.5**	**0.05**	**0.5**	**0.5**	**0.05**	**5**	**2**	**0**
853227	Drill Core	63	7.34	0.017	5.6	8.2	0.62	192	0.003	0.34	<0.01	0.16	<0.5	0.70	2.5	36.2	10.60	<5	11	2.85
853228	Drill Core	67	12.20	0.056	8.4	10.7	0.72	452	0.004	0.36	<0.01	0.15	<0.5	0.14	2.8	15.1	4.08	<5	6	2.71
853229	Drill Core	45	2.93	0.027	13.0	6.3	0.17	1209	0.004	0.43	<0.01	0.19	<0.5	0.11	1.8	10.5	2.24	<5	6	2.50
853230 DUP 853229 PULP	Drill Core	44	2.95	0.024	12.7	5.6	0.17	1353	0.004	0.43	<0.01	0.19	<0.5	0.09	2.1	10.0	2.26	<5	5	2.51
853231	Drill Core	88	2.82	0.039	14.6	5.9	0.08	1650	0.005	0.46	<0.01	0.20	<0.5	0.13	1.8	7.5	2.04	<5	10	2.40
853232	Drill Core	110	0.19	0.046	15.1	7.2	0.07	1419	0.006	0.53	<0.01	0.22	<0.5	0.27	1.9	7.2	2.28	<5	12	2.38
853233	Drill Core	37	1.60	0.051	17.6	10.4	0.36	1233	0.003	1.01	<0.01	0.21	<0.5	0.11	4.7	14.4	2.03	<5	6	2.63
853234	Drill Core	30	10.86	0.058	12.9	4.2	0.51	188459	0.002	0.74	<0.01	0.07	<0.5	<0.05	2.9	5.4	0.14	<5	3	2.91
853235	Drill Core	46	2.53	0.034	13.6	9.9	0.33	79404	0.001	1.55	<0.01	0.13	<0.5	0.06	5.2	7.0	0.12	<5	<2	3.15
853236	Drill Core	57	3.77	0.042	12.9	12.2	0.29	54435	0.002	1.53	<0.01	0.15	<0.5	<0.05	5.6	8.7	0.18	<5	3	3.05
853237	Drill Core	47	3.84	0.050	16.5	11.2	0.29	7950	0.002	1.33	<0.01	0.16	<0.5	0.10	5.3	10.9	0.60	<5	2	2.70
853238	Drill Core	68	15.13	0.044	10.4	8.5	0.33	2653	0.004	0.29	0.01	0.16	<0.5	<0.05	3.7	5.6	1.64	<5	3	2.52
853239	Drill Core	115	10.40	0.045	10.1	10.0	0.27	1904	0.005	0.40	<0.01	0.21	<0.5	<0.05	3.2	5.1	2.47	<5	7	2.49
853240	Rock Pulp	39	1.19	0.079	10.6	23.1	1.43	225	0.124	1.99	0.07	0.23	<0.5	0.12	2.3	<0.5	1.82	6	<2	N.A.
853241	Drill Core	70	17.18	0.028	5.1	4.5	0.26	164	0.003	0.23	<0.01	0.12	<0.5	<0.05	2.5	8.6	12.35	<5	5	2.87
853242	Drill Core	87	23.33	0.030	6.4	5.4	0.39	708	0.004	0.26	0.01	0.13	<0.5	<0.05	2.3	4.9	3.89	<5	6	2.65
853243	Drill Core	62	22.04	0.021	5.2	5.7	0.41	123	0.002	0.13	0.01	0.07	<0.5	<0.05	1.6	7.4	10.67	<5	4	2.89
853244	Drill Core	73	26.04	0.024	7.2	4.2	0.67	6747	0.002	0.16	<0.01	0.08	<0.5	<0.05	1.6	1.6	0.68	<5	3	2.69
853245	Drill Core	60	18.86	0.032	8.3	4.5	0.49	4868	0.002	0.24	<0.01	0.09	<0.5	<0.05	1.9	3.6	0.80	<5	5	2.70
853246	Drill Core	144	2.96	0.051	12.0	10.5	0.31	337	0.006	0.49	<0.01	0.27	<0.5	0.27	2.4	8.1	7.27	<5	23	2.53
853247	Drill Core	146	1.22	0.054	15.5	14.3	0.33	1081	0.007	0.49	<0.01	0.30	<0.5	0.35	2.4	6.8	3.94	<5	38	2.42
853248	Drill Core	112	2.16	0.055	15.4	10.2	0.44	1689	0.006	0.50	<0.01	0.26	<0.5	0.47	2.4	5.0	2.76	<5	20	2.30
853249	Drill Core	102	2.94	0.053	15.8	8.3	0.43	2238	0.006	0.50	<0.01	0.26	<0.5	0.10	2.3	3.2	2.09	<5	16	2.31
853250	Rock Pulp	12	0.13	0.018	9.2	13.5	0.20	135	0.080	0.61	0.11	0.30	<0.5	<0.05	3.4	<0.5	<0.05	<5	<2	N.A.
853251	Drill Core	78	4.48	0.047	14.0	11.3	2.22	938	0.005	0.42	<0.01	0.23	<0.5	<0.05	2.8	2.4	2.30	<5	8	2.41
853252	Drill Core	47	2.13	0.042	11.6	8.8	0.62	648	0.004	0.38	<0.01	0.21	<0.5	0.17	1.8	3.0	2.32	<5	11	2.31

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	Method	7AR.1	7AR.1	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Pb	Zn	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi
	Unit	%	%	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.01	10	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5
Pulp Duplicates																					
851851	Rock Pulp			0.02	893	3.6	2825	12141	20961	25.2	11.6	10.7	835	3.38	13	<0.5	1.2	69	122.1	36.6	0.9
REP 851851	QC					3.9	2855	12096	20888	25.6	10.7	11.3	822	3.36	12	<0.5	1.1	71	117.6	37.1	0.9
851881	Rock Pulp			0.02	964	3.7	2839	11984	20766	23.5	11.9	10.6	827	3.38	13	<0.5	1.1	73	121.8	33.8	0.8
REP 851881	QC				947																
851894	Drill Core			1.79	19731	19.9	17.8	91.5	3412	0.8	82.7	8.1	105	2.22	13	2.6	6.2	147	20.7	2.7	<0.5
REP 851894	QC				20388																
851913	Drill Core			3.32	61890	26.0	58.2	18256	103880	18.1	61.8	2.4	465	14.78	64	1.8	<0.5	1099	589.4	13.3	<0.5
REP 851913	QC					25.9	59.3	18367	104849	18.7	67.4	2.7	456	14.75	66	1.8	<0.5	1089	592.9	14.2	<0.5
851939	Drill Core			2.16	250255	13.9	50.6	18441	46421	21.8	41.5	2.6	231	7.20	31	1.2	<0.5	380	368.6	9.6	<0.5
REP 851939	QC				229198																
851949	Drill Core			2.95	322782	12.1	218.7	2528	394	12.1	109.7	7.5	281	9.06	25	1.2	<0.5	1110	5.2	21.0	<0.5
REP 851949	QC					11.9	218.8	2555	372	12.1	112.1	7.8	286	9.07	26	1.1	<0.5	1161	5.5	21.5	<0.5
851956	Drill Core			1.86	58255	23.8	28.2	393.2	310	2.2	62.0	4.5	451	2.30	17	5.4	2.9	1197	2.3	4.5	<0.5
REP 851956	QC					22.0	27.8	387.2	305	2.3	57.2	4.2	456	2.25	16	5.3	2.9	1162	2.7	4.3	<0.5
853154	Drill Core			3.25	16844	12.3	14.1	33.0	1757	<0.5	65.2	7.5	104	1.77	9	2.6	6.1	138	10.2	5.0	<0.5
REP 853154	QC				17565																
853180	Rock Pulp			0.02	853	21.9	6370	34323	28762	79.0	12.7	14.8	1116	4.34	60	1.0	2.7	14	103.9	252.7	6.7
REP 853180	QC					20.7	6412	33946	28412	75.5	12.1	13.8	1132	4.30	60	1.1	2.6	16	103.4	247.5	6.9
853188	Drill Core			2.54	19114	31.3	42.5	2310	15011	4.3	95.0	6.6	394	8.91	52	3.7	6.7	349	90.5	17.8	<0.5
REP 853188	QC				19881																
853190	Rock Pulp			0.02	996	<0.5	14.8	5.4	41	<0.5	2.4	2.6	502	1.51	<5	1.5	5.2	12	<0.5	<0.5	<0.5
REP 853190	QC					0.5	14.7	4.9	43	<0.5	2.0	2.6	530	1.52	<5	1.6	5.5	12	<0.5	<0.5	<0.5
853219	Drill Core			2.03	10401	27.9	34.3	474.3	7531	1.9	83.8	6.3	207	1.77	21	7.4	3.9	347	47.1	10.5	<0.5
REP 853219	QC				10480																
853230 DUP 853229 PULP	Drill Core				42466	19.2	27.8	292.7	381	0.7	84.2	6.6	225	2.58	20	4.4	2.7	348	3.3	9.4	<0.5
853230 DUP 853229 PULP	QC				45364																
853249	Drill Core			2.91	12882	28.7	43.1	68.8	89	1.0	94.1	8.4	163	1.99	18	10.5	5.0	251	1.3	14.5	<0.5
REP 853249	QC					28.8	40.2	70.7	89	0.9	93.2	8.5	164	1.97	19	10.0	5.1	258	1.0	15.1	<0.5

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QUALITY CONTROL REPORT VAN10006051.2

	Method	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG
	Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG
	Unit	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
	MDL	10	0.01	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0
Pulp Duplicates																				
851851	Rock Pulp	36	1.07	0.082	10.0	22.0	1.41	202	0.110	1.89	0.06	0.24	<0.5	0.16	2.5	<0.5	1.87	5	<2	N.A.
REP 851851	QC	35	1.08	0.080	10.1	22.8	1.41	204	0.110	1.88	0.06	0.22	<0.5	0.13	1.9	<0.5	1.86	<5	3	
851881	Rock Pulp	36	1.09	0.079	9.5	22.7	1.40	190	0.114	1.90	0.06	0.23	<0.5	0.11	1.9	<0.5	1.81	<5	2	N.A.
REP 851881	QC																			
851894	Drill Core	54	0.67	0.082	21.7	7.5	0.19	921	0.004	0.81	<0.01	0.24	<0.5	0.18	2.3	3.5	2.55	<5	12	2.34
REP 851894	QC																			
851913	Drill Core	62	0.96	0.027	1.2	11.8	0.17	59	0.002	0.26	<0.01	0.07	0.5	2.55	2.0	241.6	22.10	<5	18	3.13
REP 851913	QC	61	0.95	0.028	1.2	12.6	0.17	69	0.002	0.25	<0.01	0.07	<0.5	2.62	2.2	232.3	22.27	<5	18	
851939	Drill Core	48	1.14	0.023	1.1	5.3	0.15	96	0.002	0.22	<0.01	0.11	<0.5	2.72	1.2	106.5	10.25	<5	9	3.40
REP 851939	QC																			
851949	Drill Core	48	2.25	0.008	5.2	3.2	0.18	416	0.001	0.10	<0.01	0.05	<0.5	0.58	1.4	47.5	9.63	<5	15	3.61
REP 851949	QC	49	2.24	0.008	4.8	3.3	0.18	145	0.001	0.09	<0.01	0.06	<0.5	0.58	1.7	48.4	9.59	<5	16	
851956	Drill Core	42	10.02	0.073	10.8	8.2	0.53	2138	0.003	0.18	<0.01	0.11	<0.5	0.19	2.3	4.1	1.59	<5	5	2.64
REP 851956	QC	41	9.89	0.072	10.9	8.3	0.51	1819	0.002	0.18	<0.01	0.10	<0.5	0.15	2.7	4.0	1.58	<5	8	
853154	Drill Core	52	0.77	0.069	21.9	6.7	0.23	2459	0.004	0.80	<0.01	0.24	<0.5	<0.05	2.6	3.5	1.93	<5	9	2.48
REP 853154	QC																			
853180	Rock Pulp	35	0.27	0.024	5.8	10.9	0.27	239	0.088	0.56	0.07	0.35	1.1	5.92	2.8	8.3	4.07	<5	4	N.A.
REP 853180	QC	35	0.26	0.025	5.9	10.7	0.27	245	0.087	0.56	0.07	0.36	0.9	6.22	3.0	8.4	3.97	<5	4	
853188	Drill Core	81	1.14	0.076	21.9	9.1	0.29	190	0.005	0.50	<0.01	0.20	<0.5	0.47	2.5	46.9	10.47	<5	19	2.52
REP 853188	QC																			
853190	Rock Pulp	17	0.14	0.018	10.2	13.3	0.20	138	0.079	0.58	0.09	0.30	<0.5	<0.05	2.6	<0.5	<0.05	<5	<2	N.A.
REP 853190	QC	16	0.12	0.016	9.6	15.0	0.21	135	0.080	0.59	0.09	0.33	<0.5	<0.05	2.6	<0.5	<0.05	<5	<2	
853219	Drill Core	121	1.03	0.089	14.4	10.4	0.07	2174	0.006	0.48	<0.01	0.24	<0.5	0.29	1.7	11.2	2.18	<5	23	2.38
REP 853219	QC																			
853230 DUP 853229 PULP	Drill Core	44	2.95	0.024	12.7	5.6	0.17	1353	0.004	0.43	<0.01	0.19	<0.5	0.09	2.1	10.0	2.26	<5	5	2.51
853230 DUP 853229 PULP	QC																			
853249	Drill Core	102	2.94	0.053	15.8	8.3	0.43	2238	0.006	0.50	<0.01	0.26	<0.5	0.10	2.3	3.2	2.09	<5	16	2.31
REP 853249	QC	98	2.92	0.052	16.3	8.8	0.42	2330	0.006	0.48	<0.01	0.26	<0.5	0.10	2.3	3.3	2.07	<5	17	

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		7AR.1	7AR.1	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
		Pb	Zn	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi
		%	%	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.01	0.01	10	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5
Core Reject Duplicates																					
851870	Drill Core			1.87	28223	15.3	47.2	19.9	21	<0.5	59.4	9.0	237	4.01	25	3.8	4.6	389	<0.5	5.7	<0.5
DUP 851870	QC				27766	15.7	47.8	20.6	19	0.5	57.2	9.5	244	3.95	25	4.1	4.6	392	<0.5	5.4	<0.5
851905	Drill Core			1.66	17696	10.3	22.5	275.9	2763	0.9	71.6	8.1	111	1.94	11	1.8	5.7	499	10.7	2.4	<0.5
DUP 851905	QC				18004	9.9	22.0	288.3	2858	0.9	67.5	8.0	113	2.01	12	1.8	5.7	513	11.9	2.4	<0.5
851940	Drill Core			1.76	274357	7.2	65.2	13750	73845	18.7	21.3	1.1	463	7.90	24	0.7	<0.5	779	638.1	11.6	<0.5
DUP 851940	QC				304383	8.4	65.4	14042	74432	19.4	21.0	1.0	455	8.04	24	0.8	<0.5	849	646.9	11.9	<0.5
853141	Drill Core			1.55	12143	14.2	13.0	139.8	2264	<0.5	49.3	6.2	149	1.59	12	2.9	6.3	316	14.6	3.7	<0.5
DUP 853141	QC				12096	15.4	14.4	137.3	2351	<0.5	55.5	7.2	146	1.56	11	2.8	5.6	312	16.2	3.5	<0.5
853176	Drill Core			2.62	38343	25.7	56.1	1069	11166	3.1	90.3	5.6	317	10.46	49	2.8	2.2	639	54.4	41.6	<0.5
DUP 853176	QC				38574	25.5	55.8	1071	10787	3.1	89.0	5.5	311	10.42	48	2.8	2.0	626	55.2	40.5	<0.5
853211	Drill Core			3.56	64542	21.4	61.4	9737	56639	10.0	70.1	4.8	568	7.69	38	3.4	1.8	797	331.6	43.4	<0.5
DUP 853211	QC				62725	23.1	63.2	9899	56870	10.3	72.3	5.2	556	7.84	39	3.4	1.9	766	332.6	45.1	<0.5
853246	Drill Core			2.03	16047	26.2	73.3	156.3	1139	2.1	92.0	7.6	257	6.54	23	8.5	4.2	119	11.3	36.4	<0.5
DUP 853246	QC				16229	25.9	74.8	159.0	1034	2.1	95.3	6.7	248	7.00	24	9.1	4.1	118	11.0	37.6	<0.5
Reference Materials																					
STD CCU-1C	Standard	0.38	4.18																		
STD CCU-1C	Standard	0.44	4.12																		
STD CZN-3	Standard	0.11	50.60																		
STD CZN-3	Standard	0.11	49.92																		
STD GBM997-6	Standard	24.93	15.87																		
STD GBM997-6	Standard	23.88	15.85																		
STD PTC-1A	Standard	0.05	0.12																		
STD PTC-1A	Standard	0.04	0.12																		
STD SF-3A	Standard					325.7	7782	9116	10785	54.3	3444	183.2	4192	7.86	41	3.6	3.3	67	50.8	10.4	5.0
STD SF-3A	Standard					320.6	7636	8929	10831	53.7	3399	182.6	4219	7.88	42	3.6	3.5	68	51.8	9.9	5.0
STD SF-3A	Standard					316.8	7633	8750	10686	52.1	3423	182.9	4160	7.77	46	3.2	3.5	55	46.2	9.7	4.7
STD SF-3A	Standard					313.3	7674	8624	10635	52.1	3392	181.7	4125	7.71	42	3.4	3.4	55	48.2	9.9	4.9
STD SF-3A	Standard					322.8	7711	9011	10761	52.9	3453	181.5	4177	7.88	48	3.5	3.5	69	46.2	10.5	4.9

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Client: **Canada Zinc Metals Corp.**
620-650 West Georgia Street
Vancouver BC V6B 4N9 Canada

Project: AKIE
Report Date: November 30, 2010

QUALITY CONTROL REPORT VAN10006051.2

		7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG
		V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG
		ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
		10	0.01	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0
Core Reject Duplicates																				
851870	Drill Core	34	2.71	0.053	17.8	6.0	0.08	464	0.005	1.01	<0.01	0.20	<0.5	0.16	2.8	5.0	4.04	<5	6	2.48
DUP 851870	QC	32	2.67	0.054	18.6	5.7	0.08	536	0.004	1.01	<0.01	0.19	<0.5	0.14	2.7	5.2	3.97	<5	4	2.47
851905	Drill Core	43	0.67	0.081	14.2	7.8	0.21	1205	0.004	0.59	<0.01	0.26	<0.5	0.05	2.1	6.5	2.22	<5	6	2.35
DUP 851905	QC	47	0.67	0.075	14.9	9.1	0.21	1166	0.005	0.62	<0.01	0.27	<0.5	0.06	2.3	8.3	2.23	<5	5	2.35
851940	Drill Core	33	2.68	0.011	1.9	4.2	0.28	352	0.001	0.08	<0.01	0.04	<0.5	4.50	0.9	96.4	11.83	<5	11	3.76
DUP 851940	QC	33	2.62	0.010	1.5	3.0	0.28	90	<0.001	0.07	<0.01	0.03	<0.5	4.62	0.9	103.0	12.04	<5	12	3.73
853141	Drill Core	52	1.90	0.068	29.7	5.6	0.24	3399	0.004	0.58	<0.01	0.24	<0.5	<0.05	1.9	2.3	1.71	<5	9	2.39
DUP 853141	QC	51	1.86	0.067	29.1	5.6	0.24	4070	0.004	0.59	<0.01	0.25	<0.5	<0.05	1.9	2.1	1.75	<5	8	2.38
853176	Drill Core	73	1.30	0.030	8.5	5.3	0.21	179	0.003	0.27	<0.01	0.13	0.5	0.25	2.2	37.1	11.66	<5	31	2.70
DUP 853176	QC	79	1.29	0.034	8.9	6.5	0.21	176	0.003	0.29	<0.01	0.14	<0.5	0.28	2.4	37.1	11.57	<5	28	2.67
853211	Drill Core	86	2.03	0.030	8.2	6.8	0.31	205	0.004	0.46	<0.01	0.16	<0.5	1.59	2.4	118.1	10.38	<5	42	2.84
DUP 853211	QC	99	1.99	0.031	8.3	6.9	0.32	172	0.004	0.51	<0.01	0.18	<0.5	1.64	2.4	117.4	10.56	<5	46	2.78
853246	Drill Core	144	2.96	0.051	12.0	10.5	0.31	337	0.006	0.49	<0.01	0.27	<0.5	0.27	2.4	8.1	7.27	<5	23	2.53
DUP 853246	QC	145	2.84	0.052	13.0	10.7	0.30	392	0.007	0.50	<0.01	0.28	<0.5	0.29	2.6	8.2	7.79	<5	21	2.51
Reference Materials																				
STD CCU-1C	Standard																			
STD CCU-1C	Standard																			
STD CZN-3	Standard																			
STD CZN-3	Standard																			
STD GBM997-6	Standard																			
STD GBM997-6	Standard																			
STD PTC-1A	Standard																			
STD PTC-1A	Standard																			
STD SF-3A	Standard	106	2.64	0.055	10.3	179.1	4.29	276	0.122	1.06	0.51	1.04	3.3	0.61	3.2	2.7	5.05	<5	7	
STD SF-3A	Standard	105	2.64	0.057	10.1	173.4	4.28	274	0.119	1.05	0.51	1.04	3.3	0.66	3.2	2.3	4.93	<5	8	
STD SF-3A	Standard	106	2.61	0.056	9.0	176.2	4.25	268	0.117	1.04	0.51	1.02	3.4	0.56	3.1	2.7	4.96	<5	12	
STD SF-3A	Standard	105	2.59	0.058	9.0	174.7	4.22	267	0.117	1.03	0.50	1.00	3.2	0.51	3.1	2.6	4.84	<5	7	
STD SF-3A	Standard	125	2.64	0.058	10.7	178.5	4.29	279	0.119	1.06	0.51	1.04	2.7	0.57	3.1	2.4	5.11	5	7	

Client: **Canada Zinc Metals Corp.**
620-650 West Georgia Street
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Project: AKIE
Report Date: November 30, 2010

QUALITY CONTROL REPORT VAN10006051.2

		7AR.1	7AR.1	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
		Pb	Zn	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi
		%	%	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.01	0.01	10	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5
STD SF-3A	Standard					320.3	7566	8859	10600	52.4	3406	179.9	4128	7.74	45	3.5	3.4	67	51.6	10.0	4.8
STD SF-3A	Standard					317.0	7789	9031	10725	53.2	3438	186.2	4189	7.81	45	3.7	2.9	58	51.8	10.1	4.9
STD SF-3A	Standard					309.9	7653	8813	10542	52.2	3400	184.2	4107	7.74	43	3.3	2.8	55	47.1	9.6	4.7
STD SF-3A	Standard					323.3	7773	9025	10801	53.9	3474	188.7	4205	7.96	46	3.4	2.9	65	49.3	9.8	4.8
STD SF-3A	Standard					322.4	7730	9063	10793	53.4	3452	186.4	4186	7.89	46	3.4	3.1	65	49.7	9.9	4.7
STD SF-3A	Standard					319.7	7793	9015	11232	52.8	3443	184.8	4239	7.77	45	3.2	3.2	55	46.7	9.8	4.5
STD SF-3A	Standard					315.2	7742	8876	11106	53.3	3425	183.4	4232	7.67	43	3.2	3.2	54	45.1	9.3	4.4
STD SF-3A	Standard					299.4	7669	8727	10876	51.8	3423	185.2	4143	7.61	42	3.6	3.2	54	46.3	10.1	5.0
STD SF-3A	Standard					299.7	7666	8790	10969	52.1	3427	184.7	4137	7.61	44	3.4	3.4	55	46.2	10.2	5.3
STD SO-18	Standard				503																
STD SO-18	Standard				511																
STD SO-18	Standard				508																
STD SO-18	Standard				514																
STD SO-18	Standard				512																
STD SO-18	Standard				503																
STD SO-18	Standard				509																
STD SO-18	Standard				504																
STD SO-18	Standard				507																
STD SO-18	Standard				487																
STD SO-18	Standard				511																
STD SO-18	Standard				521																
STD SO-18	Standard				539																
STD SO-18	Standard				511																
STD SF-3A Expected						308	7705	9625	10628	54	3365	183	4247	7.91	46	3.3	2.8	50	45	10	4.6
STD SO-18 Expected					515																
STD CZN-3 Expected		0.113	50.92																		
STD PTC-1A Expected		0.05																			
STD CCU-1C Expected		0.34	3.99																		
STD GBM997-6 Expected		24.9095	16.1944																		

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Vancouver BC V6B 4N9 Canada

Project: AKIE
Report Date: November 30, 2010

QUALITY CONTROL REPORT VAN10006051.2

		7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG
		V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG
		ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
		10	0.01	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0
STD SF-3A	Standard	123	2.60	0.052	10.1	176.4	4.25	269	0.118	1.04	0.51	1.04	2.9	0.59	3.1	2.7	4.96	<5	7	
STD SF-3A	Standard	123	2.62	0.055	8.7	172.3	4.26	274	0.115	1.01	0.49	1.05	3.3	0.60	3.0	2.5	5.00	<5	10	
STD SF-3A	Standard	121	2.57	0.055	9.6	177.0	4.23	270	0.115	1.02	0.50	1.03	3.2	0.61	2.9	1.8	4.95	<5	8	
STD SF-3A	Standard	126	2.66	0.054	10.7	187.4	4.34	278	0.122	1.08	0.51	1.07	3.2	0.69	3.3	4.5	5.15	<5	10	
STD SF-3A	Standard	125	2.63	0.056	10.1	177.8	4.33	295	0.119	1.06	0.51	1.06	3.4	0.55	3.1	3.0	5.04	5	10	
STD SF-3A	Standard	110	2.59	0.054	8.7	177.0	4.30	276	0.117	1.04	0.51	1.05	2.5	0.60	3.1	2.3	5.30	<5	12	
STD SF-3A	Standard	109	2.56	0.055	8.3	174.1	4.29	278	0.116	1.03	0.50	1.05	2.4	0.61	3.0	3.8	5.19	5	9	
STD SF-3A	Standard	102	2.56	0.054	8.7	172.9	4.24	265	0.111	1.01	0.49	1.05	3.0	0.51	2.6	2.6	4.78	5	8	
STD SF-3A	Standard	103	2.52	0.053	8.4	171.2	4.13	275	0.109	1.01	0.49	1.08	3.2	0.54	2.9	2.6	5.10	<5	9	
STD SO-18	Standard																			
STD SO-18	Standard																			
STD SO-18	Standard																			
STD SO-18	Standard																			
STD SO-18	Standard																			
STD SO-18	Standard																			
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STD SO-18	Standard																			
STD SO-18	Standard																			
STD SO-18	Standard																			
STD SO-18	Standard																			
STD SO-18	Standard																			
STD SF-3A Expected		102	2.59	0.054	8.3	167	4.27	260	0.117	1	0.47	0.99	3.2	0.6	3	2.7	4.2	4	10	
STD SO-18 Expected																				
STD CZN-3 Expected																				
STD PTC-1A Expected																				
STD CCU-1C Expected																				
STD GBM997-6 Expected																				

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Project: AKIE
Report Date: November 30, 2010

Page: 4 of 4 Part 1

QUALITY CONTROL REPORT VAN10006051.2

		7AR.1	**7AR.1**	**WGHT**	**4A**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**
		Pb	**Zn**	**Wgt**	**Ba**	**Mo**	**Cu**	**Pb**	**Zn**	**Ag**	**Ni**	**Co**	**Mn**	**Fe**	**As**	**U**	**Th**	**Sr**	**Cd**	**Sb**	**Bi**
		%	**%**	**kg**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**
		0.01	**0.01**	**0.01**	**10**	**0.5**	**0.5**	**0.5**	**5**	**0.5**	**0.5**	**0.5**	**5**	**0.01**	**5**	**0.5**	**0.5**	**5**	**0.5**	**0.5**	**0.5**
BLK	Blank				<10																
BLK	Blank					<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5
BLK	Blank				<10																
BLK	Blank				<10																
BLK	Blank					<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5
BLK	Blank					<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5
BLK	Blank					<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5
BLK	Blank					<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5
BLK	Blank					<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5
BLK	Blank				<10																
BLK	Blank				<10																
BLK	Blank				<10																
BLK	Blank					<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5
BLK	Blank				<10																
BLK	Blank	<0.01	<0.01																		
BLK	Blank	<0.01	<0.01																		
Prep Wash																					
G1	Prep Blank			<0.01	1014	<0.5	3.2	7.7	58	<0.5	4.6	5.2	664	2.25	<5	2.9	8.1	69	<0.5	<0.5	<0.5
G1	Prep Blank			<0.01	1023	<0.5	2.6	12.1	80	<0.5	3.6	4.3	676	2.31	<5	2.8	8.6	72	<0.5	<0.5	<0.5

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620-650 West Georgia Street
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Project: AKIE
Report Date: November 30, 2010

Page: 4 of 4 Part 2

QUALITY CONTROL REPORT VAN10006051.2

		7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG
		V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG
		ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
		10	0.01	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0
BLK	Blank																			
BLK	Blank	<10	<0.01	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2	
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<10	<0.01	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2	
BLK	Blank	<10	<0.01	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2	
BLK	Blank	<10	<0.01	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2	
BLK	Blank	<10	<0.01	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2	
BLK	Blank	<10	<0.01	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2	
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<10	<0.01	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2	
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
Prep Wash																				
G1	Prep Blank	41	0.62	0.088	16.6	11.5	0.59	216	0.154	1.19	0.16	0.61	<0.5	<0.05	3.3	<0.5	<0.05	5	<2	2.67
G1	Prep Blank	43	0.62	0.080	18.1	11.2	0.56	226	0.155	1.20	0.17	0.60	<0.5	<0.05	4.3	<0.5	<0.05	5	<2	2.71

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Client: **Canada Zinc Metals Corp.**
620-650 West Georgia Street
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Submitted By:	Nick Johnson
Receiving Lab:	Canada-Vancouver
Received:	October 28, 2010
Report Date:	November 30, 2010
Page:	1 of 9

CERTIFICATE OF ANALYSIS VAN10006053.2

CLIENT JOB INFORMATION

Project:	AKIE
Shipment ID:	
P.O. Number	
Number of Samples:	221

SAMPLE DISPOSAL

RTRN-PLP	Return
RTRN-RJT	Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	200	Crush split and pulverize 250g drill core to 200 mesh			VAN
P200	4	Pulverize to 85% - 200 mesh			VAN
4A01	221	LiBO2/Li2B4O7 fusion ICP-ES analysis	0.1	Completed	VAN
7AX1	221	1:1:1 Aqua Regia digestion ICP-ES/ICP-MS analysis	1	Completed	VAN
G812	221	Specific Gravity on Pulp		Completed	VAN

ADDITIONAL COMMENTS

Version 2 : Revised reporting decimal places for SG.

Invoice To:
Canada Zinc Metals Corp.
620-650 West Georgia Street
Vancouver BC V6B 4N9
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Project: AKIE
Report Date: November 30, 2010

Page: 2 of 9 Part 1

CERTIFICATE OF ANALYSIS VAN10006053.2

	Method	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	10	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
853044	Drill Core	2.10	24936	25.4	52.0	768.2	11381	2.8	81.0	6.6	251	9.31	40	3.5	3.4	109	67.3	39.1	<0.5	54	0.73
853045	Drill Core	1.97	19223	24.1	48.4	526.8	5587	2.6	81.8	6.5	240	7.64	39	3.4	4.2	136	34.3	34.2	<0.5	48	0.85
853046	Drill Core	1.17	15068	14.0	21.6	105.5	2832	0.5	63.3	8.2	75	2.04	13	2.7	6.4	142	16.6	9.0	<0.5	52	0.67
853047	Rock Pulp	0.02	934	4.3	2815	12046	20563	24.5	9.3	10.5	770	3.26	12	<0.5	1.1	65	112.5	32.8	1.0	34	0.97
853048	Drill Core	2.07	17878	22.1	52.1	795.6	12797	3.3	80.1	6.7	251	8.88	41	2.3	3.5	189	66.5	29.4	<0.5	55	1.06
853049	Drill Core	1.92	22822	27.9	43.4	1658	15741	4.5	95.1	6.8	361	14.17	68	2.5	2.0	254	82.6	35.0	<0.5	43	1.31
853253	Drill Core	4.04	4988	32.8	59.8	35.2	2811	<0.5	70.0	6.5	389	4.04	18	8.5	2.1	431	19.0	7.1	<0.5	44	2.82
853254	Drill Core	3.80	8041	39.6	35.1	51.6	412	<0.5	87.3	9.4	128	2.25	35	9.3	4.0	325	2.5	12.0	<0.5	52	1.44
853255	Drill Core	4.04	9883	7.1	47.6	51.9	243	0.5	68.5	12.6	79	3.93	22	2.0	7.2	148	1.2	9.2	<0.5	23	0.75
853256	Drill Core	4.17	6021	7.0	26.3	25.4	170	<0.5	45.4	6.2	54	1.94	15	1.8	4.1	108	0.9	6.8	<0.5	30	0.50
853257	Drill Core	3.75	2688	2.7	13.4	12.4	78	<0.5	30.9	3.7	50	0.97	8	0.6	2.3	91	0.6	3.4	<0.5	24	0.48
853258	Drill Core	3.81	1787	1.7	13.7	14.8	84	<0.5	29.4	2.8	68	1.05	9	<0.5	1.3	141	0.6	3.6	<0.5	21	0.74
853259	Drill Core	4.05	2085	2.2	12.5	16.7	27	<0.5	30.6	3.2	45	1.08	8	<0.5	1.6	79	<0.5	3.6	<0.5	24	0.40
853260	Drill Core	3.71	2250	2.4	12.5	16.7	51	<0.5	28.7	3.0	37	1.03	8	<0.5	1.6	62	<0.5	3.7	<0.5	22	0.31
853261	Drill Core	4.23	2221	2.4	11.6	12.7	45	<0.5	28.8	3.1	39	0.93	8	<0.5	1.4	96	<0.5	3.5	<0.5	24	0.40
853262 DUP 853261 PULP	Drill Core		2134	2.2	11.4	14.3	47	<0.5	27.8	3.4	39	0.94	8	<0.5	1.5	97	<0.5	3.6	<0.5	25	0.43
853263	Drill Core	3.96	2048	1.7	12.0	9.7	81	<0.5	27.2	3.0	155	0.96	8	<0.5	1.1	299	0.5	2.8	<0.5	23	1.71
853264	Drill Core	3.63	4658	5.0	21.0	21.3	70	<0.5	42.0	4.8	71	1.65	11	1.4	3.5	172	<0.5	6.1	<0.5	27	0.91
853265	Drill Core	4.27	7111	6.9	30.7	34.2	204	0.5	57.5	7.9	67	2.56	16	1.6	4.6	130	1.5	7.7	<0.5	29	0.59
853266	Drill Core	4.46	7398	5.7	26.0	22.9	272	<0.5	41.2	5.6	265	1.94	11	1.4	3.6	533	1.6	4.9	<0.5	27	3.04
853267	Drill Core	3.19	8225	9.2	35.8	34.2	223	0.6	62.9	8.4	146	2.40	18	2.3	5.0	205	1.5	7.2	<0.5	32	1.07
853268	Drill Core	2.57	8698	68.8	48.0	118.6	1154	<0.5	144.3	12.0	34	2.74	52	16.4	4.4	35	7.3	18.6	<0.5	70	0.30
853269	Drill Core	2.13	7948	55.3	47.7	272.5	165	0.9	171.3	10.8	304	4.21	78	12.6	3.9	359	1.3	32.5	<0.5	72	3.29
853270	Drill Core	2.66	11005	58.6	46.1	148.8	797	0.6	139.2	12.3	124	2.85	57	14.5	3.8	170	4.6	25.5	<0.5	65	1.62
853271	Drill Core	2.12	9304	19.4	15.1	28.6	458	<0.5	37.7	3.9	96	0.80	13	5.2	1.2	130	2.6	5.7	<0.5	35	0.94
853272	Rock Pulp	0.02	946	0.8	16.7	3.7	31	<0.5	1.3	3.0	571	1.48	<5	1.6	5.3	10	<0.5	<0.5	<0.5	12	0.15
853273	Drill Core	2.36	10922	48.6	38.1	105.7	570	0.6	112.2	8.6	59	2.52	40	12.1	3.6	80	3.6	16.5	<0.5	79	0.52
853274	Drill Core	1.91	9901	38.6	31.0	90.3	122	<0.5	95.7	6.6	101	2.17	42	8.7	2.3	154	0.6	11.1	<0.5	38	1.04
853275	Drill Core	2.29	8431	57.1	41.7	111.5	416	<0.5	126.9	11.0	60	2.56	49	14.4	3.5	86	1.9	7.2	<0.5	56	0.75
853276	Drill Core	2.09	7576	59.9	43.5	200.1	36	0.7	150.5	10.7	61	2.83	70	13.6	3.7	81	<0.5	11.4	<0.5	61	0.56

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CERTIFICATE OF ANALYSIS VAN10006053.2

	Method	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**G8SG**
	Analyte	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**SG**
	Unit	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	
	MDL	**0.001**	**0.5**	**0.5**	**0.01**	**5**	**0.001**	**0.01**	**0.01**	**0.01**	**0.5**	**0.05**	**0.5**	**0.5**	**0.05**	**5**	**2**	**0**
853044	Drill Core	0.035	12.2	6.3	0.18	254	0.003	0.83	<0.01	0.17	<0.5	0.76	1.9	19.5	10.42	<5	36	2.65
853045	Drill Core	0.037	13.2	5.8	0.16	274	0.003	0.60	<0.01	0.18	<0.5	0.44	2.1	11.2	8.80	<5	25	2.61
853046	Drill Core	0.041	21.8	6.6	0.11	2332	0.004	0.53	<0.01	0.28	<0.5	0.17	2.0	2.3	2.26	<5	13	2.43
853047	Rock Pulp	0.073	9.2	22.4	1.37	181	0.107	1.79	0.06	0.21	<0.5	0.13	1.5	<0.5	1.77	5	<2	N.A.
853048	Drill Core	0.018	11.5	7.4	0.23	210	0.004	0.45	<0.01	0.21	<0.5	0.58	1.7	17.7	9.93	<5	23	2.71
853049	Drill Core	0.023	7.1	7.1	0.23	99	0.003	0.60	<0.01	0.13	<0.5	0.91	1.8	29.1	16.40	<5	22	2.89
853253	Drill Core	0.020	5.9	16.0	0.08	687	0.003	0.25	<0.01	0.13	<0.5	0.15	1.7	1.0	4.55	<5	13	2.44
853254	Drill Core	0.042	14.6	11.2	0.05	1586	0.003	0.37	<0.01	0.19	<0.5	0.13	1.1	1.6	2.37	<5	5	2.32
853255	Drill Core	0.049	15.8	9.2	0.09	1021	0.003	0.51	<0.01	0.28	<0.5	0.13	1.9	0.7	4.38	<5	6	2.52
853256	Drill Core	0.039	12.8	13.2	0.06	1422	0.004	0.35	<0.01	0.18	<0.5	<0.05	0.8	0.6	2.04	<5	3	2.37
853257	Drill Core	0.024	8.3	26.3	0.05	800	0.002	0.23	<0.01	0.10	<0.5	<0.05	<0.5	<0.5	0.91	<5	<2	2.32
853258	Drill Core	0.022	4.9	16.4	0.06	515	0.002	0.13	<0.01	0.06	<0.5	<0.05	<0.5	<0.5	0.99	<5	<2	2.39
853259	Drill Core	0.025	6.1	24.7	0.04	613	0.002	0.17	<0.01	0.08	<0.5	<0.05	<0.5	<0.5	1.06	<5	<2	2.37
853260	Drill Core	0.026	6.2	18.7	0.03	725	0.002	0.18	<0.01	0.08	<0.5	<0.05	<0.5	<0.5	0.97	<5	<2	2.33
853261	Drill Core	0.019	6.1	22.3	0.04	710	0.002	0.17	<0.01	0.07	<0.5	<0.05	<0.5	<0.5	0.88	<5	<2	2.31
853262 DUP 853261 PULP	Drill Core	0.022	6.1	22.8	0.04	739	0.002	0.16	<0.01	0.08	<0.5	<0.05	<0.5	<0.5	0.87	<5	<2	2.30
853263	Drill Core	0.017	5.3	18.7	0.11	938	0.002	0.13	<0.01	0.06	<0.5	<0.05	<0.5	<0.5	0.82	<5	<2	2.43
853264	Drill Core	0.035	12.2	16.8	0.05	1024	0.003	0.32	<0.01	0.17	<0.5	0.08	0.7	<0.5	1.74	<5	3	2.36
853265	Drill Core	0.051	15.8	10.7	0.11	1283	0.003	0.41	<0.01	0.22	<0.5	0.11	1.1	0.5	2.81	<5	4	2.41
853266	Drill Core	0.035	12.7	12.3	0.27	1961	0.003	0.37	<0.01	0.19	<0.5	0.09	1.2	0.5	2.01	<5	2	2.41
853267	Drill Core	0.041	17.7	8.7	0.15	883	0.003	0.44	<0.01	0.23	<0.5	0.11	1.4	0.6	2.60	<5	5	2.44
853268	Drill Core	0.033	19.0	6.5	0.06	1247	0.004	0.43	<0.01	0.22	<0.5	0.18	1.2	2.9	2.96	<5	7	2.12
853269	Drill Core	0.022	14.6	7.9	0.19	753	0.004	0.44	<0.01	0.22	<0.5	0.26	1.9	6.1	4.58	<5	7	2.29
853270	Drill Core	0.023	16.2	8.7	0.15	1120	0.003	0.44	<0.01	0.19	<0.5	0.20	1.4	4.2	3.06	<5	6	2.22
853271	Drill Core	0.007	5.4	17.9	0.05	4273	0.002	0.22	<0.01	0.09	<0.5	0.07	0.7	0.9	0.87	<5	2	2.47
853272	Rock Pulp	0.016	8.8	13.9	0.24	149	0.077	0.70	0.13	0.35	<0.5	<0.05	3.7	<0.5	<0.05	<5	<2	N.A.
853273	Drill Core	0.022	17.1	9.6	0.05	1810	0.004	0.43	<0.01	0.20	<0.5	0.19	1.0	2.3	2.70	<5	6	2.22
853274	Drill Core	0.017	10.8	11.8	0.04	1729	0.003	0.35	<0.01	0.14	<0.5	0.19	0.7	2.5	2.30	<5	3	2.38
853275	Drill Core	0.033	12.9	7.5	0.04	1255	0.004	0.41	<0.01	0.22	<0.5	0.21	0.9	2.4	2.77	<5	6	2.34
853276	Drill Core	0.027	15.0	6.4	0.05	1367	0.004	0.45	<0.01	0.25	<0.5	0.23	1.0	5.2	3.16	<5	7	2.20

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Project: AKIE
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CERTIFICATE OF ANALYSIS VAN10006053.2

	Method	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	10	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
853277	Drill Core	1.52	6605	37.8	31.9	103.2	334	<0.5	78.1	7.5	61	1.59	33	9.5	2.5	74	1.6	7.8	<0.5	90	0.56
853278	Drill Core	1.97	6419	40.2	39.6	58.3	877	<0.5	73.5	8.1	18	1.18	20	11.8	3.2	15	5.4	7.7	<0.5	104	0.11
853279	Drill Core	1.84	25815	27.9	41.4	285.5	1372	1.1	77.0	6.1	355	2.27	42	11.3	2.6	522	10.1	21.7	<0.5	104	4.77
853280	Drill Core	1.56	7296	24.2	44.9	200.2	2205	0.9	81.9	7.1	68	1.54	47	7.2	2.9	90	14.8	22.3	<0.5	76	0.61
853281	Drill Core	2.22	38148	19.4	27.4	150.7	887	0.6	65.9	6.2	210	1.23	39	7.2	1.9	201	7.2	16.9	<0.5	66	4.71
853282	Rock Pulp	0.02	906	3.6	2894	12356	20946	24.7	9.4	11.6	763	3.34	12	<0.5	0.9	74	134.6	36.1	0.9	36	1.02
853283	Drill Core	1.80	8207	28.4	37.1	225.4	1123	0.9	93.6	8.6	111	1.45	61	9.0	2.7	395	9.4	26.1	<0.5	75	1.81
853284	Drill Core	2.09	6768	28.2	45.3	223.0	330	1.1	88.8	7.4	77	1.83	69	8.8	3.0	141	2.3	27.8	<0.5	73	0.86
853285	Drill Core	2.23	7428	28.3	49.1	251.4	1941	1.1	82.0	8.0	143	1.34	57	9.5	3.6	288	16.8	20.1	<0.5	78	1.50
853286	Drill Core	2.49	7106	32.8	56.1	260.5	2209	1.3	83.5	9.3	33	1.40	65	10.2	3.1	25	17.7	22.1	<0.5	80	0.09
853287	Drill Core	2.24	5835	27.2	47.1	209.0	717	1.1	75.1	7.9	883	1.50	57	8.7	2.7	269	5.6	20.7	<0.5	86	5.05
853288	Drill Core	2.07	6375	36.1	52.8	218.8	1782	1.3	87.6	9.0	111	1.68	53	11.0	3.6	94	15.0	25.3	<0.5	82	0.73
853289	Drill Core	2.74	7381	32.4	54.4	180.8	1602	1.2	99.2	10.7	59	1.86	43	9.3	3.5	63	13.5	25.6	<0.5	50	0.29
853290	Drill Core	2.21	8652	14.9	41.1	118.6	1970	0.8	54.5	5.9	1123	1.75	38	5.6	2.2	1542	16.5	15.4	<0.5	39	10.82
853291	Drill Core	1.53	14058	25.5	63.9	217.2	4417	1.2	77.2	8.6	298	1.74	38	8.8	3.2	484	35.4	19.8	<0.5	67	2.52
853292 DUP 853291	Drill Core		13088	26.2	62.3	217.4	4544	1.3	76.2	8.6	305	1.74	41	9.2	3.3	522	35.6	21.1	<0.5	63	2.54
853293	Drill Core	0.87	15133	29.6	83.6	442.2	3304	2.5	85.0	7.4	511	1.76	69	10.8	2.9	327	24.9	39.5	<0.5	106	3.04
853294	Drill Core	0.80	43588	18.1	48.1	34.3	1156	0.7	78.6	10.0	139	2.46	19	5.3	4.8	291	14.2	22.6	<0.5	57	1.55
853295	Drill Core	1.47	60024	31.3	42.0	53.8	1517	0.9	113.4	8.4	60	1.64	31	9.6	3.6	152	15.3	25.5	<0.5	186	0.41
853296	Drill Core	2.55	72901	36.3	29.4	45.1	544	0.5	99.7	8.4	107	2.05	20	9.1	2.8	153	5.5	24.5	<0.5	393	0.77
853297	Drill Core	1.09	181987	13.0	27.5	20.7	132	0.6	72.6	4.1	104	1.78	12	4.8	1.6	1121	1.7	17.6	<0.5	359	2.71
853298	Drill Core	3.12	80768	16.4	35.7	21.9	751	0.7	77.6	7.0	105	1.76	16	4.0	4.1	179	11.0	20.2	<0.5	161	1.18
853299	Drill Core	1.67	8306	25.7	47.2	14.9	1341	<0.5	69.5	9.9	109	1.52	23	7.5	5.7	177	17.3	13.5	<0.5	65	1.57
853300	Drill Core	2.47	7987	20.8	39.0	13.2	906	<0.5	49.4	7.7	238	1.42	14	6.1	5.3	270	11.3	11.7	<0.5	73	3.40
853301	Drill Core	2.17	8784	29.7	54.2	33.9	4558	1.0	75.9	9.6	74	1.66	15	6.9	4.8	132	59.9	21.3	<0.5	71	0.65
853302	Rock Pulp	0.02	962	0.6	15.2	3.5	27	<0.5	2.3	2.7	483	1.50	<5	1.6	4.8	11	<0.5	<0.5	<0.5	13	0.12
853303	Drill Core	2.00	8797	15.9	45.1	54.3	1005	1.1	80.5	8.0	70	2.25	30	2.6	5.2	111	15.8	27.3	<0.5	50	0.48
853304	Drill Core	2.81	10338	23.0	62.0	87.7	18	1.9	90.8	8.4	106	3.59	50	3.8	5.2	225	<0.5	40.2	<0.5	56	0.78
853305	Drill Core	3.58	9340	24.3	46.8	38.4	277	1.0	63.9	8.6	71	1.64	19	5.4	5.1	201	4.0	22.3	<0.5	53	0.93
853306	Drill Core	2.39	9066	21.5	60.6	70.6	1719	2.2	102.3	8.9	103	3.23	41	3.6	5.1	186	28.6	38.4	<0.5	47	0.77

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	Method	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**G8SG**
	Analyte	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**SG**
	Unit	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	
	MDL	**0.001**	**0.5**	**0.5**	**0.01**	**5**	**0.001**	**0.01**	**0.01**	**0.01**	**0.5**	**0.05**	**0.5**	**0.5**	**0.05**	**5**	**2**	**0**
853277	Drill Core	0.011	11.6	7.5	0.05	1768	0.003	0.41	<0.01	0.23	<0.5	0.14	0.9	2.4	1.72	<5	6	2.25
853278	Drill Core	0.030	14.9	5.9	0.03	901	0.004	0.42	<0.01	0.23	<0.5	0.08	0.8	1.1	1.29	<5	7	2.17
853279	Drill Core	0.043	13.2	7.4	0.07	1935	0.005	1.14	<0.01	0.13	<0.5	0.33	1.9	3.9	2.23	<5	13	2.18
853280	Drill Core	0.022	12.6	5.2	0.04	1617	0.003	0.42	<0.01	0.18	<0.5	0.34	1.0	2.7	1.80	<5	14	2.20
853281	Drill Core	0.011	9.4	6.6	0.34	3497	0.002	0.31	<0.01	0.12	<0.5	0.44	1.6	2.3	1.14	<5	10	2.46
853282	Rock Pulp	0.084	10.2	22.6	1.41	197	0.104	1.84	0.05	0.22	<0.5	0.15	1.8	<0.5	1.79	<5	<2	N.A.
853283	Drill Core	0.039	15.6	6.6	0.05	2521	0.003	0.37	<0.01	0.17	<0.5	0.29	1.1	4.2	1.62	<5	15	2.32
853284	Drill Core	0.035	14.8	5.7	0.03	1572	0.003	0.33	<0.01	0.18	<0.5	0.19	1.1	7.0	1.96	<5	18	2.34
853285	Drill Core	0.038	17.3	7.4	0.04	1923	0.004	0.37	<0.01	0.20	<0.5	0.25	1.2	3.3	1.49	<5	18	2.31
853286	Drill Core	0.019	17.4	6.1	0.04	1058	0.003	0.38	<0.01	0.21	<0.5	0.23	1.3	2.3	1.55	<5	18	2.30
853287	Drill Core	0.027	15.7	5.9	0.06	962	0.004	0.37	<0.01	0.20	<0.5	0.16	1.5	2.7	1.58	<5	16	2.30
853288	Drill Core	0.026	17.1	6.0	0.05	1022	0.004	0.37	<0.01	0.22	<0.5	0.24	1.4	2.3	1.85	<5	16	2.30
853289	Drill Core	0.035	18.4	5.6	0.04	1383	0.004	0.36	<0.01	0.21	<0.5	0.26	1.2	2.3	2.04	<5	11	2.29
853290	Drill Core	0.045	11.3	11.6	0.08	2427	0.003	0.22	<0.01	0.11	<0.5	0.21	1.9	1.5	1.89	<5	6	2.43
853291	Drill Core	0.044	14.6	12.2	0.06	2346	0.003	0.28	<0.01	0.15	<0.5	0.38	1.5	2.3	1.99	<5	13	2.38
853292 DUP 853291	Drill Core	0.044	15.0	12.9	0.06	2444	0.003	0.27	<0.01	0.15	<0.5	0.39	1.5	2.1	2.03	<5	15	2.37
853293	Drill Core	0.049	16.2	7.9	0.07	2189	0.004	0.39	<0.01	0.21	<0.5	0.38	1.9	2.8	1.90	<5	27	2.32
853294	Drill Core	0.022	17.9	8.3	0.35	2398	0.001	0.42	<0.01	0.14	<0.5	0.17	2.4	0.8	1.75	<5	14	2.35
853295	Drill Core	0.028	14.7	11.2	0.22	11340	0.004	0.73	<0.01	0.12	<0.5	0.34	2.8	1.5	0.75	<5	14	2.37
853296	Drill Core	0.030	12.7	20.8	0.43	7357	0.063	2.61	<0.01	0.06	<0.5	0.18	4.9	1.0	0.77	6	7	2.43
853297	Drill Core	0.110	8.6	27.1	0.45	2280	0.069	1.34	<0.01	0.02	<0.5	0.13	4.6	<0.5	1.02	<5	5	2.79
853298	Drill Core	0.041	17.6	14.2	0.55	17737	0.020	2.36	<0.01	0.11	<0.5	0.14	4.5	1.0	0.50	<5	12	2.55
853299	Drill Core	0.079	20.2	6.7	0.46	1342	0.004	0.45	<0.01	0.25	<0.5	0.07	2.7	0.8	1.22	<5	13	2.45
853300	Drill Core	0.081	19.1	6.0	0.36	1713	0.004	0.45	<0.01	0.24	<0.5	0.07	2.6	0.8	1.17	<5	13	2.39
853301	Drill Core	0.062	19.6	6.4	0.16	1366	0.004	0.50	<0.01	0.30	<0.5	0.20	2.1	2.0	1.85	<5	22	2.38
853302	Rock Pulp	0.017	8.1	13.1	0.23	154	0.075	0.59	0.08	0.31	<0.5	<0.05	3.4	<0.5	<0.05	<5	<2	N.A.
853303	Drill Core	0.054	20.0	5.3	0.13	1474	0.003	0.43	<0.01	0.27	<0.5	0.13	1.8	2.6	2.32	<5	26	2.51
853304	Drill Core	0.053	18.4	5.9	0.14	1113	0.004	0.44	<0.01	0.27	<0.5	0.20	2.0	3.8	3.85	<5	45	2.47
853305	Drill Core	0.063	19.7	5.0	0.10	1649	0.003	0.42	<0.01	0.25	<0.5	0.10	1.8	2.2	1.72	<5	26	2.39
853306	Drill Core	0.056	18.2	5.3	0.14	1221	0.003	0.41	<0.01	0.26	<0.5	0.20	1.7	3.2	3.53	<5	45	2.47

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Project: AKIE
Report Date: November 30, 2010

CERTIFICATE OF ANALYSIS VAN10006053.2

	Method	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	10	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
853307	Drill Core	2.70	8605	8.5	28.3	15.9	19	<0.5	36.6	6.6	260	1.97	13	2.4	6.0	284	<0.5	9.7	<0.5	47	2.62
853308	Drill Core	1.64	9680	28.0	78.5	66.2	2664	2.3	126.9	11.1	95	3.08	40	4.6	5.5	107	45.8	40.0	<0.5	52	0.62
853309	Drill Core	2.89	9197	9.5	35.8	14.5	302	0.5	45.1	7.8	163	2.02	14	2.4	5.8	142	4.8	9.7	<0.5	49	1.20
853310	Drill Core	2.14	9027	20.9	51.9	25.9	2219	1.0	64.3	9.3	116	1.82	19	4.8	5.6	145	35.4	16.6	<0.5	62	0.97
853311	Drill Core	2.29	9106	24.5	57.5	65.2	2278	1.9	91.0	8.9	145	2.88	32	5.1	4.5	323	39.9	29.8	<0.5	61	1.37
853312	Rock Pulp	0.02	908	4.0	2847	12132	20489	23.6	11.2	10.8	721	3.23	12	<0.5	0.9	64	134.4	35.8	0.8	29	0.94
853313	Drill Core	2.88	9020	28.6	44.6	38.0	2947	1.3	75.5	8.6	80	1.81	22	5.8	4.7	197	42.2	22.7	<0.5	59	0.88
853314	Drill Core	1.94	8903	30.2	63.8	143.5	264	3.8	99.7	7.7	124	4.76	64	3.5	4.8	213	3.5	49.6	<0.5	45	0.83
853315	Drill Core	3.31	9837	14.9	40.3	31.4	819	1.5	66.2	9.0	84	1.89	23	2.3	6.2	92	11.8	18.1	<0.5	46	0.67
853316	Drill Core	2.51	9427	12.0	50.4	11.8	1414	1.0	56.9	8.9	103	1.62	15	2.2	6.7	92	16.3	12.0	<0.5	57	0.85
853317	Drill Core	3.10	9661	8.7	39.2	7.8	1000	0.8	41.1	8.3	98	1.29	13	1.6	6.3	80	11.4	8.4	<0.5	47	0.79
853318	Drill Core	3.31	9419	10.8	35.6	8.6	1315	0.8	54.6	8.8	170	1.90	15	1.9	6.0	135	16.5	9.6	<0.5	64	1.33
853319	Drill Core	2.21	9990	28.6	59.3	98.6	77	3.8	110.1	7.9	165	5.37	57	2.7	4.8	186	1.4	39.7	<0.5	53	1.04
853320	Drill Core	2.44	10140	24.2	44.4	75.4	28	2.3	79.4	7.8	258	5.56	50	2.2	5.4	177	<0.5	27.3	<0.5	58	1.48
853321	Drill Core	3.13	10331	32.0	65.0	93.3	1306	3.9	112.5	8.3	167	5.29	55	3.8	4.5	194	19.3	27.6	<0.5	58	1.06
853322 DUP 853321 PULP	Drill Core		10372	31.8	62.0	89.6	1289	4.0	105.5	8.7	162	5.20	53	3.7	4.4	207	18.7	25.6	<0.5	59	1.05
853323	Drill Core	2.28	11915	14.9	25.9	8.1	1014	0.7	56.9	7.4	66	1.43	13	2.3	5.2	87	11.9	6.0	<0.5	55	0.62
853324	Drill Core	3.37	10506	22.4	26.2	11.7	1746	0.8	66.5	8.1	90	1.74	18	3.5	5.1	109	24.4	7.2	<0.5	66	0.86
853325	Drill Core	1.89	11846	33.6	85.1	154.7	38	7.3	115.7	6.5	196	8.66	88	2.2	3.9	118	0.8	27.4	<0.5	43	0.78
853326	Drill Core	1.35	14186	10.5	14.2	12.7	10	0.6	48.2	7.1	57	1.55	14	1.4	5.3	52	<0.5	5.5	<0.5	40	0.38
853327	Drill Core	2.16	9392	45.9	70.5	148.6	397	4.9	128.3	7.8	198	8.86	87	4.6	3.4	169	5.1	24.1	<0.5	61	0.92
853328	Drill Core	2.76	11364	10.6	14.5	7.6	215	0.5	50.1	6.9	66	1.50	15	1.6	5.5	108	2.7	4.3	<0.5	47	0.68
853329	Drill Core	3.28	13422	36.6	74.2	175.4	41	6.2	112.3	6.3	231	9.62	97	2.0	3.0	66	1.2	23.1	<0.5	43	0.71
853330	Drill Core	2.78	9635	43.8	28.7	26.5	3525	1.5	84.0	8.7	74	2.49	23	7.2	4.6	91	38.6	7.3	<0.5	90	0.60
853331	Drill Core	3.07	9733	39.9	25.6	15.6	3617	0.8	98.5	9.0	60	1.86	21	6.4	5.1	91	37.8	6.9	<0.5	77	0.67
853332	Rock Pulp	0.02	960	0.8	16.5	3.2	25	<0.5	1.3	2.4	511	1.49	<5	1.3	4.6	9	<0.5	<0.5	<0.5	13	0.14
853333	Drill Core	1.60	9901	29.2	80.6	125.5	41	5.1	102.1	6.8	181	7.73	70	2.7	4.0	94	0.7	16.0	<0.5	48	0.77
853334	Drill Core	1.79	9538	22.3	58.6	110.2	24	3.8	85.6	6.9	168	6.14	58	2.0	5.6	72	<0.5	13.9	<0.5	41	0.51
813335	Drill Core	2.40	9982	6.8	11.0	9.3	8	<0.5	35.3	6.6	59	1.38	11	1.2	5.7	65	<0.5	2.9	<0.5	42	0.41
813336	Drill Core	2.97	11679	39.9	107.7	234.2	42	5.9	117.2	6.8	240	12.31	106	2.3	3.2	133	0.7	23.4	<0.5	44	0.79

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CERTIFICATE OF ANALYSIS VAN10006053.2

	Method	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
	MDL	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0
853307	Drill Core	0.072	24.4	5.5	0.61	1207	0.005	0.43	<0.01	0.25	<0.5	0.06	3.3	0.8	1.12	<5	13	2.50
853308	Drill Core	0.060	18.5	5.5	0.18	1206	0.004	0.44	<0.01	0.28	<0.5	0.19	2.1	4.5	3.27	<5	55	2.41
853309	Drill Core	0.064	22.8	5.7	0.41	1553	0.004	0.48	<0.01	0.29	<0.5	<0.05	3.0	0.8	1.45	<5	14	2.53
853310	Drill Core	0.060	21.5	5.5	0.31	1119	0.004	0.49	<0.01	0.29	<0.5	0.13	2.8	1.5	1.64	<5	26	2.40
853311	Drill Core	0.047	16.5	6.2	0.26	1419	0.003	0.44	<0.01	0.26	<0.5	0.19	2.1	2.9	2.85	<5	41	2.46
853312	Rock Pulp	0.084	8.9	22.4	1.39	177	0.090	1.73	0.04	0.21	<0.5	0.14	1.6	<0.5	1.77	<5	<2	N.A.
853313	Drill Core	0.062	19.0	5.2	0.15	1686	0.003	0.43	<0.01	0.28	<0.5	0.14	1.9	2.1	1.92	<5	27	2.41
853314	Drill Core	0.053	16.1	5.2	0.13	725	0.003	0.39	<0.01	0.26	<0.5	0.28	1.8	5.3	5.15	<5	33	2.52
853315	Drill Core	0.075	23.2	6.4	0.24	1536	0.004	0.48	<0.01	0.31	<0.5	0.09	2.9	1.4	1.75	<5	14	2.47
853316	Drill Core	0.077	26.0	7.8	0.27	1410	0.005	0.56	<0.01	0.36	<0.5	0.09	2.8	0.6	1.35	<5	13	2.44
853317	Drill Core	0.072	24.9	6.9	0.25	1420	0.005	0.56	<0.01	0.36	<0.5	0.06	3.0	0.5	0.95	<5	8	2.50
853318	Drill Core	0.081	25.0	9.2	0.38	1783	0.005	0.66	<0.01	0.40	<0.5	0.08	3.5	0.7	1.30	<5	10	2.47
853319	Drill Core	0.061	18.5	7.9	0.23	533	0.004	0.50	<0.01	0.28	<0.5	0.31	2.3	4.5	5.45	<5	24	2.68
853320	Drill Core	0.060	20.0	7.3	0.46	577	0.004	0.54	<0.01	0.33	<0.5	0.27	3.2	3.7	5.18	<5	20	2.72
853321	Drill Core	0.069	16.2	8.0	0.20	514	0.004	0.50	<0.01	0.29	<0.5	0.30	2.2	4.1	5.44	<5	23	2.59
853322 DUP 853321 PULP	Drill Core	0.063	16.0	6.5	0.20	515	0.004	0.51	<0.01	0.28	<0.5	0.35	1.9	4.0	5.44	<5	25	2.58
853323	Drill Core	0.067	21.7	6.9	0.20	3847	0.004	0.59	<0.01	0.32	<0.5	0.09	2.6	0.7	1.32	<5	9	2.48
853324	Drill Core	0.090	22.0	9.3	0.19	2861	0.004	0.57	<0.01	0.30	<0.5	0.08	2.3	0.8	1.71	<5	12	2.40
853325	Drill Core	0.048	14.5	7.8	0.14	225	0.003	0.58	<0.01	0.24	<0.5	0.47	2.0	6.6	9.28	<5	23	2.75
853326	Drill Core	0.066	21.8	6.0	0.13	4698	0.003	0.62	<0.01	0.26	<0.5	0.09	1.8	1.0	1.52	<5	7	2.52
853327	Drill Core	0.066	12.9	7.9	0.11	221	0.004	0.50	<0.01	0.24	<0.5	0.59	2.0	6.9	9.58	<5	24	2.63
853328	Drill Core	0.071	25.4	8.3	0.16	3458	0.004	0.60	<0.01	0.31	<0.5	0.07	2.2	0.7	1.47	<5	5	2.51
853329	Drill Core	0.018	10.7	7.0	0.22	171	0.003	0.40	<0.01	0.21	<0.5	0.64	1.8	7.5	10.40	<5	24	2.70
853330	Drill Core	0.146	16.8	9.5	0.17	1981	0.004	0.54	<0.01	0.30	<0.5	0.20	2.3	1.6	2.73	<5	16	2.41
853331	Drill Core	0.147	19.1	8.0	0.17	2350	0.004	0.52	<0.01	0.28	<0.5	0.15	2.3	1.0	2.02	<5	11	2.36
853332	Rock Pulp	0.018	7.7	14.5	0.21	141	0.082	0.57	0.08	0.32	<0.5	<0.05	3.3	<0.5	<0.05	<5	<2	N.A.
853333	Drill Core	0.073	15.1	8.8	0.21	311	0.004	0.52	<0.01	0.24	<0.5	0.32	2.0	5.0	8.19	<5	19	2.62
853334	Drill Core	0.056	20.6	7.8	0.19	538	0.004	0.57	<0.01	0.30	<0.5	0.33	2.3	4.5	6.51	<5	10	2.66
813335	Drill Core	0.059	25.0	7.6	0.16	2001	0.004	0.53	<0.01	0.32	<0.5	0.06	1.8	0.8	1.29	<5	4	2.52
813336	Drill Core	0.044	11.9	8.6	0.18	144	0.003	0.42	<0.01	0.24	<0.5	0.65	1.7	8.1	13.51	<5	18	2.80

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	Method	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	10	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
853337	Drill Core	3.72	10087	19.5	57.6	111.6	25	3.0	125.1	9.6	201	6.91	62	2.2	5.6	141	<0.5	14.5	<0.5	54	1.26
853338	Drill Core	2.50	15177	9.9	16.0	9.2	314	<0.5	41.0	7.7	243	2.14	15	1.3	6.1	222	3.2	3.4	<0.5	53	1.88
853339	Drill Core	2.79	14647	10.2	15.7	6.2	1187	<0.5	43.1	7.1	235	2.08	9	1.5	7.4	238	11.5	3.6	<0.5	53	2.08
853340	Drill Core	3.08	11201	10.3	15.0	6.2	989	<0.5	39.0	7.0	198	1.86	9	1.5	7.0	174	10.1	4.0	<0.5	55	1.64
853341	Drill Core	3.28	10841	10.7	22.2	6.4	1279	<0.5	38.8	7.7	196	1.93	8	1.7	7.7	169	12.3	4.4	<0.5	52	1.70
853342 DUP 853341 PULP	Drill Core		11446	10.4	26.2	5.9	1254	<0.5	38.6	7.3	191	1.90	8	1.7	7.9	170	11.7	4.0	<0.5	52	1.67
853343	Drill Core	3.06	11102	10.0	20.0	6.0	1202	<0.5	37.4	7.3	200	1.91	8	1.5	7.7	172	12.3	3.7	<0.5	53	1.76
853344	Drill Core	3.38	10897	9.1	28.9	5.7	1199	<0.5	32.9	7.2	209	2.04	8	1.5	7.0	197	10.9	3.9	<0.5	49	1.82
853345	Drill Core	3.39	9707	9.1	30.5	6.7	1233	<0.5	37.3	7.7	229	2.07	8	1.6	7.4	187	11.9	3.5	<0.5	50	1.87
853346	Drill Core	2.51	9209	9.2	22.5	6.7	1029	<0.5	42.3	6.8	310	2.63	9	1.8	7.6	259	10.9	4.1	<0.5	56	2.65
853347	Drill Core	2.18	9053	9.5	16.3	9.1	340	<0.5	39.2	7.1	305	2.56	10	1.9	6.8	236	3.2	2.7	<0.5	50	2.54
853348	Drill Core	1.95	10486	29.6	112.6	193.4	57	5.8	128.9	7.3	199	9.31	84	1.5	4.0	54	0.5	20.5	<0.5	36	0.44
853349	Drill Core	1.77	10027	8.5	11.6	6.2	679	<0.5	37.6	6.6	37	1.12	11	1.4	5.1	44	6.7	3.3	<0.5	38	0.28
853350	Drill Core	2.85	11054	11.3	13.0	7.7	823	<0.5	43.9	7.1	28	1.29	11	1.7	5.8	54	8.4	4.0	<0.5	41	0.26
853351	Drill Core	1.88	9856	37.8	85.6	204.7	40	6.4	121.7	8.1	228	9.52	90	2.8	4.4	150	0.8	21.9	<0.5	45	0.76
853352	Drill Core	2.09	10984	13.9	28.2	39.7	59	1.3	57.9	8.1	199	2.84	22	2.1	5.9	255	0.7	6.2	<0.5	37	1.84
853353	Drill Core	3.97	9297	25.7	17.8	12.2	1919	0.8	62.0	9.5	125	1.78	14	4.8	5.6	194	23.0	4.9	<0.5	53	1.44
853354	Drill Core	2.56	10442	25.8	16.9	10.1	2562	0.8	58.8	9.0	114	1.64	15	4.5	5.0	218	30.7	4.8	<0.5	46	1.58
853355	Drill Core	3.03	9484	5.6	11.0	6.3	182	<0.5	29.1	6.4	101	1.06	9	1.2	6.4	93	1.7	2.0	<0.5	34	0.96
853356	Drill Core	3.02	9944	5.6	11.2	7.1	146	<0.5	31.3	6.9	102	1.08	9	1.3	6.1	72	1.6	2.3	<0.5	32	0.83
853357	Drill Core	2.50	9409	7.6	17.8	16.5	631	0.6	49.3	9.4	103	1.63	17	1.3	5.2	72	7.9	4.1	<0.5	32	0.85
853358	Drill Core	4.12	8536	16.9	34.2	64.6	134	1.8	63.4	8.0	216	2.92	27	2.1	4.3	350	1.5	8.2	<0.5	41	3.09
853359	Drill Core	1.53	9483	18.0	49.1	76.1	710	3.3	92.3	7.7	99	3.51	40	1.7	2.8	79	8.1	10.8	<0.5	29	0.47
853360	Drill Core	1.68	10923	8.5	17.0	13.8	416	0.6	46.7	7.4	45	1.32	11	1.1	3.3	33	4.4	3.8	<0.5	25	0.23
853361	Drill Core	2.25	10056	7.2	15.6	12.5	53	0.5	43.7	7.5	66	1.40	10	1.3	3.3	40	0.5	3.0	<0.5	30	0.30
853362 DUP 853361	Drill Core		9981	7.2	14.4	12.5	51	0.5	42.7	7.3	63	1.36	12	1.2	3.8	40	<0.5	2.8	<0.5	27	0.31
853363	Drill Core	2.48	7820	47.1	87.8	301.0	42	9.5	126.2	7.1	401	13.27	108	2.7	3.3	216	0.7	27.1	<0.5	36	1.94
853364	Drill Core	2.52	10859	6.9	12.0	11.6	294	<0.5	38.9	6.6	83	1.47	10	1.2	5.2	52	3.5	3.0	<0.5	30	0.61
853365	Drill Core	3.04	11103	9.3	14.4	10.1	557	<0.5	45.9	8.3	114	1.63	13	1.6	5.9	98	7.0	4.2	<0.5	31	0.95
853366	Drill Core	3.03	2909	7.2	21.7	16.8	1565	1.5	26.6	2.7	180	1.56	9	1.2	0.9	312	16.8	3.8	<0.5	24	2.09

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Project: AKIE
Report Date: November 30, 2010

CERTIFICATE OF ANALYSIS VAN10006053.2

	Method	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**G8SG**
	Analyte	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**SG**
	Unit	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	
	MDL	**0.001**	**0.5**	**0.5**	**0.01**	**5**	**0.001**	**0.01**	**0.01**	**0.01**	**0.5**	**0.05**	**0.5**	**0.5**	**0.05**	**5**	**2**	**0**
853337	Drill Core	0.127	21.6	10.0	0.37	410	0.004	0.54	<0.01	0.33	<0.5	0.37	3.2	4.8	6.95	<5	12	2.66
853338	Drill Core	0.092	25.6	9.1	0.53	5508	0.005	0.57	<0.01	0.35	<0.5	0.06	3.7	0.6	1.24	<5	5	2.58
853339	Drill Core	0.058	28.4	6.5	0.56	5299	0.004	0.57	<0.01	0.35	<0.5	0.10	3.5	<0.5	1.12	<5	8	2.54
853340	Drill Core	0.065	29.0	7.4	0.51	2505	0.004	0.61	<0.01	0.35	<0.5	0.09	4.0	<0.5	1.01	<5	5	2.48
853341	Drill Core	0.068	28.9	7.7	0.51	2325	0.004	0.59	<0.01	0.36	<0.5	0.09	3.7	0.6	1.07	<5	6	2.51
853342 DUP 853341 PULP	Drill Core	0.072	28.4	6.3	0.51	2315	0.005	0.58	<0.01	0.37	<0.5	0.11	3.9	0.6	1.05	<5	5	2.50
853343	Drill Core	0.063	28.3	6.0	0.53	1881	0.004	0.60	<0.01	0.37	<0.5	0.07	3.8	0.5	0.99	<5	6	2.49
853344	Drill Core	0.059	27.8	6.0	0.53	2310	0.005	0.57	<0.01	0.37	<0.5	0.06	3.8	0.6	1.05	<5	5	2.45
853345	Drill Core	0.061	26.9	7.8	0.55	1603	0.005	0.58	<0.01	0.35	<0.5	0.06	4.1	0.6	1.02	<5	6	2.53
853346	Drill Core	0.066	29.3	7.9	0.70	1596	0.005	0.59	<0.01	0.38	<0.5	0.09	4.5	0.5	1.12	<5	6	2.54
853347	Drill Core	0.070	26.7	6.0	0.70	1600	0.004	0.53	<0.01	0.32	<0.5	0.06	4.0	0.7	1.24	<5	2	2.58
853348	Drill Core	0.041	13.8	6.1	0.17	155	0.004	0.43	<0.01	0.27	<0.5	0.44	2.0	6.5	10.27	<5	19	2.76
853349	Drill Core	0.061	21.4	6.1	0.11	1338	0.004	0.49	<0.01	0.30	<0.5	0.07	2.2	0.6	1.13	<5	5	2.48
853350	Drill Core	0.065	22.2	7.2	0.10	1828	0.004	0.52	<0.01	0.31	<0.5	0.07	2.3	0.6	1.36	<5	6	2.46
853351	Drill Core	0.050	13.6	7.9	0.14	288	0.003	0.42	<0.01	0.27	<0.5	0.56	2.6	8.0	10.16	<5	19	2.73
853352	Drill Core	0.064	21.9	7.1	0.36	1961	0.003	0.46	<0.01	0.29	<0.5	0.13	3.1	2.0	2.62	<5	6	2.55
853353	Drill Core	0.127	23.1	8.4	0.29	1533	0.004	0.50	<0.01	0.30	<0.5	0.12	2.8	1.0	1.63	<5	9	2.42
853354	Drill Core	0.121	21.0	7.0	0.21	2093	0.003	0.44	<0.01	0.27	<0.5	0.12	2.6	1.0	1.62	<5	9	2.40
853355	Drill Core	0.070	25.8	6.7	0.35	1473	0.003	0.53	<0.01	0.33	<0.5	<0.05	3.2	0.6	0.77	<5	3	2.52
853356	Drill Core	0.073	24.7	6.1	0.37	1326	0.003	0.49	<0.01	0.31	<0.5	0.06	3.3	0.6	0.79	<5	3	2.50
853357	Drill Core	0.063	22.6	6.0	0.30	1143	0.003	0.45	<0.01	0.29	<0.5	0.06	2.8	0.9	1.42	<5	5	2.51
853358	Drill Core	0.055	17.4	7.3	0.33	1513	0.003	0.42	<0.01	0.27	<0.5	0.15	2.6	1.6	2.70	<5	9	2.43
853359	Drill Core	0.016	17.0	5.7	0.12	1228	0.002	0.36	<0.01	0.23	<0.5	0.15	1.4	2.8	3.77	<5	11	2.56
853360	Drill Core	0.015	19.2	4.5	0.15	1418	0.002	0.36	<0.01	0.23	<0.5	0.06	1.8	0.7	1.30	<5	5	2.46
853361	Drill Core	0.033	18.8	5.3	0.19	1354	0.003	0.45	<0.01	0.25	<0.5	0.05	2.0	0.6	1.30	<5	4	2.41
853362 DUP 853361	Drill Core	0.029	18.8	5.2	0.18	1289	0.003	0.39	<0.01	0.24	<0.5	0.05	1.9	0.6	1.27	<5	3	2.43
853363	Drill Core	0.030	9.7	7.9	0.20	248	0.003	0.33	<0.01	0.20	<0.5	0.83	2.0	11.9	14.41	<5	19	2.69
853364	Drill Core	0.047	20.1	6.0	0.26	1378	0.003	0.43	<0.01	0.27	<0.5	0.07	2.4	0.8	1.32	<5	4	2.47
853365	Drill Core	0.049	23.5	5.7	0.33	2163	0.003	0.39	<0.01	0.26	<0.5	0.06	2.7	0.8	1.34	<5	4	2.46
853366	Drill Core	0.027	4.2	12.4	0.28	1050	0.001	0.15	<0.01	0.09	<0.5	0.07	0.7	0.7	1.12	<5	5	2.48

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CERTIFICATE OF ANALYSIS VAN10006053.2

	Method	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	10	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
853367	Drill Core	2.83	4342	12.7	26.4	11.8	1816	2.0	36.1	3.6	170	1.42	10	2.4	1.6	272	20.5	5.4	<0.5	39	1.81
853368	Drill Core	2.92	8360	38.6	62.5	31.5	2870	4.7	102.9	10.0	29	2.36	35	8.0	4.7	69	32.1	15.2	<0.5	86	0.39
853369	Drill Core	1.78	9242	42.3	57.6	32.5	3379	4.6	107.2	10.5	34	2.48	35	9.1	5.9	87	34.6	15.2	<0.5	87	0.56
853370	Drill Core	1.99	9614	18.3	37.1	26.4	1406	2.8	69.9	8.8	82	2.00	22	3.7	5.3	105	13.6	9.8	<0.5	49	0.68
853371	Drill Core	1.38	8848	24.4	87.3	173.7	36	10.6	105.7	7.8	307	7.36	62	2.5	5.0	221	<0.5	29.4	<0.5	38	1.69
853372	Rock Pulp	0.02	956	0.7	14.6	3.4	26	<0.5	1.5	2.5	491	1.48	<5	1.9	5.0	9	<0.5	<0.5	<0.5	13	0.12
853373	Drill Core	3.49	10079	11.1	15.3	12.0	325	0.6	46.3	7.1	228	1.99	11	2.0	6.7	142	2.9	5.1	<0.5	44	1.83
853374	Drill Core	1.51	7941	31.8	141.3	265.9	57	13.4	147.7	8.3	330	11.02	88	2.2	3.9	317	0.7	39.5	<0.5	36	2.31
853375	Drill Core	2.14	10278	8.4	18.4	11.9	362	0.8	40.0	7.9	127	1.56	10	1.6	6.1	83	3.3	4.7	<0.5	34	0.97
853376	Drill Core	3.21	9980	12.5	35.0	13.1	1204	1.3	53.1	9.0	120	1.70	15	2.1	6.3	86	11.4	6.2	<0.5	37	0.91
853377	Drill Core	3.25	11009	9.7	41.7	8.7	1022	0.8	45.4	9.0	109	1.46	12	1.7	6.1	91	9.2	5.4	<0.5	30	0.88
853378	Drill Core	3.23	11152	9.1	41.9	8.6	1119	0.9	41.7	9.0	74	1.26	12	1.5	6.0	74	9.5	4.6	<0.5	34	0.71
853379	Drill Core	3.10	11507	9.4	36.8	7.9	1096	0.9	42.8	9.0	69	1.25	11	1.6	6.1	74	10.0	4.7	<0.5	29	0.66
853380	Drill Core	2.78	11595	10.0	25.8	8.9	1283	0.8	50.1	9.1	69	1.33	12	1.9	5.9	95	12.5	5.2	<0.5	33	0.74
853381	Drill Core	1.77	11521	13.8	29.8	24.3	1583	1.8	72.1	8.3	91	1.98	21	2.1	5.7	98	14.9	6.1	<0.5	30	0.69
853382 DUP 853381 PULP	Drill Core		11769	12.8	28.4	23.9	1560	1.7	69.6	7.9	91	1.94	19	2.1	5.4	96	14.6	5.8	<0.5	30	0.68
853383	Drill Core	3.14	11402	34.0	62.6	270.6	46	7.9	101.2	5.6	382	12.46	90	2.1	3.4	143	1.0	21.2	<0.5	36	1.22
853384	Drill Core	2.45	10586	32.4	50.5	294.4	2384	5.0	109.6	6.8	349	11.82	85	3.0	3.5	142	26.1	18.2	<0.5	42	1.27
853385	Drill Core	2.17	9852	18.5	48.8	134.0	232	3.1	77.3	5.9	497	5.96	54	1.6	3.9	335	2.9	11.4	<0.5	37	4.49
853386	Drill Core	1.42	8166	11.7	12.3	7.0	1262	<0.5	39.8	5.6	482	2.53	11	2.9	4.7	594	10.3	2.5	<0.5	50	5.88
853387	Drill Core	2.04	9389	28.6	19.3	14.3	3958	0.6	76.7	8.2	408	2.53	20	6.9	4.3	756	32.7	6.1	<0.5	77	5.86
853388	Drill Core	1.33	12303	35.0	80.7	108.6	2235	3.9	160.5	10.9	182	6.03	66	5.4	5.2	235	19.3	19.3	<0.5	58	1.41
853389	Drill Core	2.37	12409	6.0	16.7	11.0	444	<0.5	44.4	6.7	76	1.35	13	1.3	6.3	95	4.0	3.3	<0.5	37	0.71
853390	Drill Core	2.01	11203	34.7	55.5	158.4	1075	3.9	118.6	8.6	238	7.41	68	4.7	4.6	171	11.1	15.8	<0.5	65	1.23
853391	Drill Core	1.94	14225	21.6	45.6	286.1	464	4.1	79.6	5.5	357	10.67	74	1.5	3.4	174	5.8	17.3	<0.5	57	1.39
853392 DUP 853391	Drill Core		14845	20.1	44.6	272.7	404	3.8	78.5	5.3	341	10.28	73	1.5	3.4	172	4.4	16.2	<0.5	52	1.41
853393	Drill Core	2.90	7343	33.5	52.8	337.6	796	5.0	108.1	5.0	381	15.11	103	2.2	2.6	160	8.7	27.2	<0.5	63	1.17
853394	Drill Core	3.00	11220	11.4	13.5	10.8	1126	<0.5	49.3	7.4	63	1.33	12	2.5	6.1	60	10.7	4.2	<0.5	44	0.39
853395	Drill Core	1.03	7717	27.7	80.1	170.8	3344	5.9	125.6	8.6	245	8.59	70	2.5	4.2	157	35.8	24.4	<0.5	58	1.05
853396	Drill Core	1.64	11749	26.4	38.4	60.3	2191	2.1	99.6	9.0	142	3.57	39	4.6	5.3	111	23.0	15.1	<0.5	58	0.78

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CERTIFICATE OF ANALYSIS VAN10006053.2

	Method	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
	MDL	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0
853367	Drill Core	0.054	7.6	10.9	0.28	1547	0.002	0.21	<0.01	0.13	<0.5	0.07	1.0	<0.5	0.95	<5	8	2.47
853368	Drill Core	0.161	19.6	11.2	0.05	1240	0.004	0.45	<0.01	0.26	<0.5	0.18	1.7	1.1	2.56	<5	22	2.26
853369	Drill Core	0.177	21.3	10.7	0.06	1335	0.004	0.46	<0.01	0.28	<0.5	0.20	1.8	1.1	2.72	<5	24	2.17
853370	Drill Core	0.096	21.6	7.3	0.11	1953	0.003	0.39	<0.01	0.27	<0.5	0.12	2.0	1.0	2.02	<5	11	2.39
853371	Drill Core	0.067	14.8	7.5	0.39	464	0.003	0.40	<0.01	0.25	<0.5	0.34	2.5	5.1	7.58	<5	18	2.56
853372	Rock Pulp	0.020	7.4	12.2	0.23	161	0.073	0.59	0.08	0.30	<0.5	<0.05	3.1	<0.5	<0.05	<5	<2	N.A.
853373	Drill Core	0.068	26.1	6.5	0.53	1841	0.004	0.48	<0.01	0.31	<0.5	<0.05	3.6	0.8	1.19	<5	5	2.45
853374	Drill Core	0.043	10.8	6.9	0.26	265	0.003	0.34	<0.01	0.23	<0.5	0.48	2.5	9.9	11.76	<5	22	2.69
853375	Drill Core	0.081	22.6	5.8	0.29	2020	0.003	0.42	<0.01	0.28	<0.5	0.05	2.8	0.8	1.20	<5	4	2.42
853376	Drill Core	0.093	23.2	6.1	0.26	1689	0.003	0.42	<0.01	0.29	<0.5	0.07	3.0	0.8	1.43	<5	8	2.36
853377	Drill Core	0.087	23.0	6.1	0.24	2234	0.003	0.42	<0.01	0.29	<0.5	0.05	3.3	0.7	1.22	<5	5	2.42
853378	Drill Core	0.079	24.3	6.1	0.19	2473	0.004	0.46	<0.01	0.31	<0.5	<0.05	2.6	0.6	1.13	<5	6	2.41
853379	Drill Core	0.084	24.7	5.6	0.17	2725	0.003	0.41	<0.01	0.29	<0.5	0.06	2.2	0.7	1.14	<5	5	2.38
853380	Drill Core	0.092	23.6	6.1	0.16	2999	0.004	0.46	<0.01	0.29	<0.5	0.08	2.3	0.7	1.28	<5	7	2.37
853381	Drill Core	0.088	21.4	6.5	0.12	3438	0.003	0.42	<0.01	0.24	<0.5	0.10	2.0	1.3	2.01	<5	7	2.36
853382 DUP 853381 PULP	Drill Core	0.090	19.7	6.1	0.12	3307	0.003	0.40	<0.01	0.23	<0.5	0.15	1.9	1.2	1.98	<5	7	2.36
853383	Drill Core	0.043	10.4	7.5	0.21	183	0.003	0.39	<0.01	0.20	<0.5	0.84	2.1	10.1	13.43	<5	14	2.66
853384	Drill Core	0.060	11.7	7.2	0.20	207	0.003	0.38	<0.01	0.21	<0.5	0.98	2.2	13.0	12.72	<5	14	2.64
853385	Drill Core	0.057	13.1	6.0	0.32	500	0.003	0.33	<0.01	0.21	<0.5	0.39	2.4	5.6	6.00	<5	12	2.58
853386	Drill Core	0.058	20.6	4.7	1.05	2796	0.003	0.39	<0.01	0.23	<0.5	0.13	2.1	0.7	1.19	<5	6	2.46
853387	Drill Core	0.100	19.4	9.7	0.68	2633	0.004	0.49	<0.01	0.27	<0.5	0.17	1.9	1.2	1.91	<5	13	2.20
853388	Drill Core	0.085	16.9	7.9	0.14	321	0.004	0.48	<0.01	0.28	<0.5	0.43	2.0	4.6	7.05	<5	19	2.40
853389	Drill Core	0.055	23.5	5.4	0.18	3078	0.004	0.51	<0.01	0.30	<0.5	0.07	1.5	0.8	1.36	<5	5	2.44
853390	Drill Core	0.084	15.2	8.2	0.17	189	0.004	0.48	<0.01	0.26	<0.5	0.57	1.8	6.0	8.57	<5	13	2.47
853391	Drill Core	0.034	12.5	7.3	0.25	108	0.004	0.44	<0.01	0.25	<0.5	0.73	1.7	9.2	12.35	<5	17	2.70
853392 DUP 853391	Drill Core	0.034	12.1	6.8	0.25	108	0.003	0.42	<0.01	0.24	<0.5	0.81	1.7	8.7	11.93	<5	14	2.69
853393	Drill Core	0.033	9.1	7.5	0.16	98	0.003	0.36	<0.01	0.21	<0.5	1.05	1.4	13.0	18.21	<5	24	2.81
853394	Drill Core	0.065	23.5	7.0	0.13	2626	0.004	0.50	<0.01	0.29	<0.5	0.12	1.8	1.1	1.48	<5	6	2.34
853395	Drill Core	0.050	14.1	7.7	0.15	167	0.004	0.45	<0.01	0.27	<0.5	0.64	1.9	6.6	10.17	<5	20	2.63
853396	Drill Core	0.072	18.9	5.9	0.17	533	0.004	0.48	<0.01	0.30	<0.5	0.26	2.1	2.9	4.23	<5	13	2.50

Client: **Canada Zinc Metals Corp.**
620-650 West Georgia Street
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Project: AKIE
Report Date: November 30, 2010

CERTIFICATE OF ANALYSIS VAN10006053.2

Method		WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
Analyte		Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	10	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
853397	Drill Core	2.64	9393	29.3	67.8	145.3	992	5.6	93.3	7.1	274	6.29	58	3.2	4.3	172	12.0	24.1	<0.5	63	1.34
853398	Drill Core	2.51	10704	10.4	43.7	67.5	527	2.7	62.7	6.4	187	3.35	30	1.7	5.3	187	5.3	13.4	<0.5	40	1.43
853399	Drill Core	3.10	9765	7.4	19.8	10.1	1144	<0.5	35.8	7.5	139	1.33	9	1.5	5.9	141	10.1	5.0	<0.5	41	1.26
853400	Drill Core	2.40	10240	8.2	35.6	7.0	1347	0.7	35.6	9.0	77	1.13	11	2.0	6.9	92	11.7	6.1	<0.5	42	0.79
853401	Drill Core	2.07	10439	8.8	38.7	6.9	1315	0.8	40.8	7.9	76	1.16	10	1.8	6.9	85	11.8	6.4	<0.5	43	0.76
853402	Rock Pulp	0.02	979	<0.5	12.3	3.6	24	<0.5	1.2	2.4	515	1.47	<5	1.3	4.9	10	<0.5	<0.5	<0.5	13	0.12
853403	Drill Core	2.34	10663	7.6	36.2	6.8	1257	0.7	40.4	7.7	64	1.03	11	1.8	6.6	110	12.2	6.4	<0.5	35	0.84
853404	Drill Core	2.11	10279	10.3	36.9	8.2	1579	0.7	49.8	7.7	55	1.18	13	2.1	6.6	82	14.2	6.8	<0.5	45	0.64
853405	Drill Core	1.63	9823	12.3	22.4	10.9	2523	0.8	54.3	7.6	73	1.34	14	2.7	6.7	78	23.6	8.5	<0.5	42	0.68
853406	Drill Core	2.16	13239	20.4	64.6	198.3	447	5.5	88.2	6.9	349	7.94	60	2.2	4.8	219	4.7	32.8	<0.5	59	2.14
853407	Drill Core	1.37	10402	27.5	49.8	153.1	27	3.3	91.5	6.6	253	6.66	54	3.9	4.9	170	<0.5	33.7	<0.5	54	1.27
853408	Drill Core	1.62	8618	9.8	17.2	24.9	572	0.6	52.2	6.4	408	2.69	13	2.2	5.6	194	5.4	8.3	<0.5	53	2.87
853409	Drill Core	1.51	14985	15.8	27.4	56.4	1280	1.0	64.0	6.7	132	2.67	21	3.2	5.1	120	13.5	16.0	<0.5	46	0.84
853410	Drill Core	1.50	9767	36.0	102.6	420.1	3291	6.0	122.9	6.7	355	12.01	81	5.1	3.2	270	30.3	63.4	<0.5	66	1.73
853411	Drill Core	2.23	13435	7.5	22.5	21.1	1251	<0.5	51.4	7.2	50	1.14	11	1.8	5.5	50	12.3	8.2	<0.5	32	0.35
853412 DUP 853411 PULP	Drill Core		13062	8.5	23.4	21.0	1271	<0.5	52.5	7.4	52	1.17	12	1.8	5.4	52	10.9	7.9	<0.5	33	0.35
853413	Drill Core	2.81	10974	13.1	22.2	11.7	2376	<0.5	53.8	7.8	50	1.20	13	2.7	6.5	67	22.1	8.7	<0.5	49	0.47
853414	Drill Core	2.19	9387	30.9	74.2	159.4	1833	3.4	102.3	7.2	217	6.49	48	4.9	4.7	128	21.9	43.2	<0.5	61	0.81
853415	Drill Core	1.70	10160	15.1	36.2	53.7	2939	1.1	68.4	7.8	134	2.40	19	2.9	5.9	78	28.2	16.5	<0.5	50	0.65
853416	Drill Core	2.11	11287	19.2	40.6	49.7	2166	1.2	75.2	8.1	131	2.57	26	3.7	5.7	118	21.1	20.9	<0.5	53	0.78
853417	Drill Core	2.14	10565	21.1	57.8	107.1	2279	2.2	84.2	7.0	251	4.34	30	3.5	4.8	286	22.7	31.9	<0.5	57	1.87
853418	Drill Core	0.95	12273	9.8	18.5	13.2	2408	<0.5	41.6	6.0	103	1.29	12	2.2	5.6	85	23.1	7.6	<0.5	40	0.72
853419	Drill Core	2.85	12454	22.2	46.5	80.1	1928	1.5	75.6	8.5	132	3.02	29	3.6	5.8	106	21.4	24.9	<0.5	52	0.70
853420	Drill Core	2.43	12425	29.4	66.8	152.5	682	3.6	99.7	6.9	235	5.68	53	3.5	4.8	144	7.6	43.6	<0.5	53	1.09
853421	Drill Core	2.65	10176	20.9	26.6	23.9	3018	1.1	74.8	7.7	192	1.97	21	4.0	4.7	132	34.7	13.3	<0.5	76	1.46
853422	Rock Pulp	0.02	915	0.6	13.2	3.4	28	<0.5	1.8	2.5	487	1.45	<5	1.5	5.0	9	<0.5	<0.5	<0.5	14	0.15
853423	Drill Core	2.33	9623	28.2	49.7	86.9	279	2.9	85.3	7.2	124	3.60	45	3.8	4.4	56	3.3	30.6	<0.5	65	0.59
853424	Drill Core	2.72	3773	7.2	19.1	24.5	549	1.2	34.4	3.9	319	1.65	25	1.1	1.5	183	6.3	9.6	<0.5	42	2.47
853425	Drill Core	2.52	9021	31.1	56.2	62.4	4784	5.0	108.9	7.9	80	3.50	54	5.5	4.6	101	58.8	16.8	<0.5	172	1.10
853426	Drill Core	2.41	8403	28.4	69.9	251.9	27	6.8	97.3	7.5	161	6.41	64	2.4	5.0	84	<0.5	29.9	<0.5	68	0.69

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620-650 West Georgia Street
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Project: AKIE
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CERTIFICATE OF ANALYSIS VAN10006053.2

	Method	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**G8SG**
	Analyte	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**SG**
	Unit	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	
	MDL	**0.001**	**0.5**	**0.5**	**0.01**	**5**	**0.001**	**0.01**	**0.01**	**0.01**	**0.5**	**0.05**	**0.5**	**0.5**	**0.05**	**5**	**2**	**0**
853397	Drill Core	0.051	14.3	6.9	0.19	230	0.004	0.46	<0.01	0.29	<0.5	0.37	1.9	5.2	7.18	<5	19	2.47
853398	Drill Core	0.049	18.6	5.6	0.16	525	0.004	0.46	<0.01	0.29	<0.5	0.21	1.6	3.4	3.80	<5	11	2.55
853399	Drill Core	0.061	22.6	6.8	0.31	1613	0.004	0.52	<0.01	0.33	<0.5	0.09	2.7	0.8	1.02	<5	6	2.42
853400	Drill Core	0.066	23.7	7.1	0.19	1458	0.004	0.55	<0.01	0.34	<0.5	0.06	2.4	0.7	1.07	<5	11	2.49
853401	Drill Core	0.066	24.3	6.2	0.20	1619	0.004	0.57	<0.01	0.36	<0.5	0.07	2.4	0.8	1.08	<5	8	2.41
853402	Rock Pulp	0.016	7.4	12.1	0.21	131	0.081	0.58	0.09	0.29	<0.5	<0.05	3.0	<0.5	<0.05	<5	<2	N.A.
853403	Drill Core	0.060	23.4	5.0	0.14	1364	0.004	0.47	<0.01	0.31	<0.5	0.08	2.1	0.7	1.06	<5	10	2.46
853404	Drill Core	0.068	24.6	6.7	0.16	1574	0.004	0.53	<0.01	0.33	<0.5	0.06	1.9	0.8	1.26	<5	12	2.38
853405	Drill Core	0.073	23.0	5.8	0.20	1549	0.004	0.47	<0.01	0.29	<0.5	0.13	1.7	0.8	1.47	<5	13	2.43
853406	Drill Core	0.049	15.2	5.9	0.51	159	0.004	0.47	<0.01	0.27	<0.5	0.44	2.7	5.8	8.89	<5	26	2.68
853407	Drill Core	0.040	15.3	5.3	0.25	230	0.003	0.42	<0.01	0.25	<0.5	0.46	2.1	5.5	7.77	<5	23	2.53
853408	Drill Core	0.055	20.6	6.1	0.91	1934	0.004	0.45	<0.01	0.25	<0.5	0.08	3.1	1.2	1.73	<5	9	2.47
853409	Drill Core	0.051	18.9	4.9	0.19	624	0.003	0.54	<0.01	0.25	<0.5	0.16	1.8	1.9	2.91	<5	15	2.46
853410	Drill Core	0.041	9.3	5.4	0.09	108	0.003	0.43	<0.01	0.23	<0.5	0.67	1.7	17.1	14.56	<5	46	2.70
853411	Drill Core	0.052	20.6	4.8	0.11	3176	0.003	0.54	<0.01	0.26	<0.5	0.08	1.4	1.2	1.27	<5	12	2.48
853412 DUP 853411 PULP	Drill Core	0.057	21.4	4.7	0.11	3125	0.003	0.55	<0.01	0.27	<0.5	0.10	1.3	1.1	1.27	<5	10	2.47
853413	Drill Core	0.061	22.9	7.0	0.13	2452	0.004	0.53	<0.01	0.30	<0.5	0.12	1.7	0.9	1.40	<5	12	2.42
853414	Drill Core	0.055	15.1	5.8	0.13	265	0.003	0.45	<0.01	0.26	<0.5	0.43	1.3	5.2	7.71	<5	30	2.49
853415	Drill Core	0.057	19.2	5.8	0.20	1161	0.004	0.49	<0.01	0.29	<0.5	0.19	2.0	2.4	2.73	<5	17	2.43
853416	Drill Core	0.061	19.5	5.8	0.17	928	0.004	0.50	<0.01	0.30	<0.5	0.21	1.4	2.2	2.92	<5	21	2.35
853417	Drill Core	0.052	17.6	5.3	0.21	419	0.004	0.47	<0.01	0.28	<0.5	0.24	1.8	4.1	5.10	<5	40	2.44
853418	Drill Core	0.056	21.0	5.5	0.23	3364	0.004	0.45	<0.01	0.28	<0.5	0.11	2.2	0.8	1.35	<5	10	2.35
853419	Drill Core	0.057	18.8	5.5	0.15	564	0.004	0.54	<0.01	0.27	<0.5	0.21	1.4	3.2	3.50	<5	34	2.41
853420	Drill Core	0.056	15.5	6.3	0.19	281	0.004	0.56	<0.01	0.25	<0.5	0.35	1.8	5.7	6.57	<5	29	2.47
853421	Drill Core	0.061	19.1	8.5	0.26	3359	0.004	0.63	<0.01	0.31	<0.5	0.14	3.1	1.5	1.94	<5	17	2.37
853422	Rock Pulp	0.017	8.4	13.4	0.19	140	0.084	0.57	0.09	0.32	<0.5	<0.05	3.8	<0.5	<0.05	<5	<2	N.A.
853423	Drill Core	0.058	17.3	7.2	0.12	745	0.004	0.53	<0.01	0.25	<0.5	0.25	2.0	3.1	4.13	<5	22	2.43
853424	Drill Core	0.035	6.8	10.7	0.14	1447	0.003	0.24	<0.01	0.15	<0.5	<0.05	1.6	1.0	1.60	<5	6	2.46
853425	Drill Core	0.210	20.4	23.3	0.07	951	0.007	0.66	<0.01	0.36	<0.5	0.26	2.3	1.6	4.36	<5	27	2.22
853426	Drill Core	0.056	18.6	11.9	0.06	404	0.005	0.57	<0.01	0.33	<0.5	0.35	2.1	6.8	7.49	<5	25	2.63

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CERTIFICATE OF ANALYSIS VAN10006053.2

	Method	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	10	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
853427	Drill Core	0.95	9203	11.2	27.3	51.7	807	1.3	72.3	7.9	65	1.81	21	1.8	5.3	46	11.3	9.1	<0.5	57	0.44
853428	Drill Core	2.07	8062	21.5	47.3	133.6	396	2.7	85.9	7.1	167	3.93	42	2.6	5.0	100	5.6	19.0	<0.5	67	1.06
853429	Drill Core	1.15	7417	10.7	24.4	25.9	503	1.0	58.1	6.9	206	1.57	18	2.2	5.4	63	7.1	6.6	<0.5	68	1.25
853430	Drill Core	1.50	6415	46.0	72.0	179.1	2326	4.3	138.3	11.1	511	7.18	62	5.1	14.8	216	33.8	28.1	<0.5	116	3.06
853431	Drill Core	1.28	8032	14.1	24.0	25.3	1099	0.8	59.9	7.1	77	1.21	16	2.8	5.8	37	17.1	6.5	<0.5	66	0.51
853432 DUP 853431	Drill Core		12288	25.3	37.9	91.3	1221	2.1	81.5	7.2	362	3.21	33	4.3	4.6	173	19.2	15.9	<0.5	79	2.40
853433	Drill Core	1.26	7486	27.8	60.0	193.1	372	3.9	101.5	6.5	205	5.75	53	3.0	4.4	113	4.8	27.3	<0.5	63	1.15
853434	Drill Core	1.82	8145	13.0	22.4	22.6	1062	0.8	57.7	7.0	79	1.21	15	2.8	5.5	37	15.5	6.2	<0.5	63	0.48
853435	Drill Core	1.44	7138	27.3	58.7	173.3	23	4.4	96.0	6.5	353	5.77	58	2.8	4.5	149	0.5	29.9	<0.5	66	1.94
853436	Drill Core	1.65	7166	25.0	57.3	105.2	58	3.2	90.8	7.0	200	3.91	44	3.0	4.8	77	0.9	23.2	<0.5	77	1.12
853437	Drill Core	1.67	8516	28.8	26.9	16.8	4211	1.1	69.7	8.6	37	1.14	15	5.3	5.3	34	57.5	8.6	<0.5	92	0.32
853438	Drill Core	2.47	7629	19.9	49.0	105.5	17	2.7	81.7	7.6	219	3.33	36	2.8	5.3	255	<0.5	22.2	<0.5	82	2.22
853439	Drill Core	1.47	6304	27.6	66.1	172.6	18	4.5	95.6	7.3	147	5.46	60	3.3	5.0	45	<0.5	39.1	<0.5	77	0.62
853440	Drill Core	2.07	6188	25.0	45.7	84.8	418	2.8	92.1	7.1	88	2.98	48	3.4	4.3	56	5.3	24.0	<0.5	76	0.60
853441	Drill Core	2.00	5829	15.7	30.2	14.2	1559	0.6	47.7	6.3	784	1.78	13	3.4	5.1	244	17.7	8.1	<0.5	87	5.03
853442	Rock Pulp	0.02	948	0.5	15.8	3.8	32	<0.5	1.5	2.8	524	1.49	<5	1.4	5.0	10	<0.5	<0.5	<0.5	15	0.15
853443	Drill Core	2.39	6694	19.1	39.4	19.5	653	0.7	67.0	8.6	113	1.35	20	4.1	6.5	90	6.3	11.0	<0.5	85	1.34
853444	Drill Core	3.61	7072	20.0	45.9	15.9	1941	0.8	60.4	7.9	200	1.71	15	4.2	6.4	148	17.4	11.2	<0.5	89	2.13
853445	Drill Core	2.66	7200	20.6	46.7	15.3	1008	0.7	65.4	9.3	139	1.44	19	4.3	6.4	132	9.0	10.8	<0.5	80	1.81
853446	Drill Core	2.37	7275	20.9	44.1	15.6	1040	0.7	69.3	8.8	129	1.45	17	4.7	6.7	113	9.3	10.7	<0.5	95	1.65
853447	Drill Core	2.27	7322	20.9	41.4	16.4	795	0.7	62.1	8.2	135	1.45	18	4.3	6.5	123	8.4	10.3	<0.5	92	1.83
853448	Drill Core	1.94	7269	19.8	45.0	16.9	510	0.6	66.3	8.9	148	1.54	18	4.2	6.7	144	4.5	10.4	<0.5	88	2.02
853449	Drill Core	2.34	7699	19.4	39.3	16.2	445	0.7	62.3	8.6	143	1.47	19	4.4	6.7	121	4.3	10.3	<0.5	89	1.77
853450	Drill Core	2.47	6680	17.7	42.3	18.1	460	0.6	59.1	7.2	606	1.88	18	4.0	5.7	225	4.3	11.4	<0.5	83	4.68
851958	Drill Core	2.18	7039	20.2	43.5	18.6	585	0.6	66.2	8.4	177	1.55	21	4.2	6.4	196	6.3	11.8	<0.5	83	2.71
851959 DUP 851958 PULP	Drill Core		6855	19.0	42.1	18.6	570	0.6	57.7	8.1	169	1.51	19	4.4	5.9	188	6.3	10.8	<0.5	85	2.64
851960	Drill Core	2.93	6702	18.8	38.6	18.2	896	0.6	62.3	8.0	178	1.48	18	4.4	6.6	196	9.8	12.0	<0.5	86	2.70
851961	Drill Core	3.15	7373	20.3	66.3	18.5	1447	0.7	69.4	8.1	139	1.45	19	4.0	6.4	129	16.0	11.8	<0.5	81	1.88
851962	Drill Core	2.30	6946	19.2	29.9	28.9	3073	0.8	59.6	7.5	122	1.28	17	4.0	6.0	98	35.9	12.2	<0.5	80	1.45
851963	Drill Core	2.03	8760	15.6	47.4	202.9	573	3.0	74.2	5.9	351	4.23	27	3.0	4.3	134	8.1	40.7	<0.5	53	1.83

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Report Date: November 30, 2010

CERTIFICATE OF ANALYSIS VAN10006053.2

	Method	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
	MDL	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0
853427	Drill Core	0.061	21.8	8.8	0.10	1583	0.005	0.63	<0.01	0.36	<0.5	0.13	2.4	1.9	2.05	<5	12	2.51
853428	Drill Core	0.067	21.1	10.1	0.14	895	0.005	0.55	<0.01	0.35	<0.5	0.23	2.1	3.7	4.62	<5	18	2.45
853429	Drill Core	0.068	28.8	9.5	0.34	1182	0.006	0.59	<0.01	0.36	<0.5	0.10	3.2	1.3	1.29	<5	11	2.41
853430	Drill Core	0.147	43.8	16.9	0.58	530	0.008	0.61	<0.01	0.35	<0.5	0.38	4.2	5.5	7.58	<5	28	2.40
853431	Drill Core	0.068	29.7	9.9	0.15	1107	0.006	0.58	<0.01	0.37	<0.5	0.11	2.4	1.3	1.26	<5	11	2.37
853432 DUP 853431	Drill Core	0.087	17.2	9.4	0.26	665	0.005	0.55	<0.01	0.34	<0.5	0.25	2.8	3.3	3.67	<5	14	2.46
853433	Drill Core	0.055	15.6	9.3	0.09	457	0.004	0.43	<0.01	0.28	<0.5	0.29	1.8	5.6	6.71	<5	24	2.50
853434	Drill Core	0.067	28.9	9.2	0.14	1061	0.005	0.54	<0.01	0.35	<0.5	0.10	2.5	1.2	1.24	<5	11	2.33
853435	Drill Core	0.066	15.3	11.0	0.16	587	0.005	0.49	<0.01	0.31	<0.5	0.44	2.2	5.7	6.70	<5	22	2.51
853436	Drill Core	0.067	18.2	12.0	0.29	1169	0.006	0.58	<0.01	0.35	<0.5	0.26	3.2	3.4	4.36	<5	22	2.42
853437	Drill Core	0.092	21.9	10.8	0.08	1115	0.006	0.60	<0.01	0.38	<0.5	0.13	2.1	1.1	1.42	<5	16	2.24
853438	Drill Core	0.070	20.0	12.7	0.19	1268	0.006	0.67	<0.01	0.41	<0.5	0.18	2.8	2.7	3.75	<5	21	2.46
853439	Drill Core	0.061	16.2	13.3	0.17	821	0.005	0.57	<0.01	0.36	<0.5	0.32	2.5	5.0	6.23	<5	24	2.50
853440	Drill Core	0.046	16.9	9.6	0.11	1320	0.004	0.51	<0.01	0.34	<0.5	0.18	1.8	3.0	3.39	<5	19	2.39
853441	Drill Core	0.071	18.9	9.2	0.57	1645	0.006	0.60	<0.01	0.38	<0.5	0.11	3.0	0.9	1.20	<5	12	2.46
853442	Rock Pulp	0.016	8.7	13.9	0.19	139	0.087	0.60	0.09	0.35	<0.5	<0.05	3.8	<0.5	<0.05	<5	<2	N.A.
853443	Drill Core	0.081	23.3	10.9	0.29	1330	0.006	0.71	<0.01	0.42	<0.5	0.11	2.9	0.8	1.14	<5	10	2.35
853444	Drill Core	0.081	21.3	10.4	0.34	1752	0.006	0.71	<0.01	0.45	<0.5	0.10	3.4	1.0	1.60	<5	10	2.40
853445	Drill Core	0.080	23.2	9.2	0.33	1635	0.006	0.65	<0.01	0.44	<0.5	0.10	3.2	0.7	1.24	<5	11	2.35
853446	Drill Core	0.082	23.0	10.4	0.35	1793	0.006	0.77	<0.01	0.47	<0.5	0.11	2.9	0.8	1.23	<5	10	2.34
853447	Drill Core	0.079	23.7	10.2	0.35	1749	0.007	0.74	<0.01	0.45	<0.5	0.11	2.9	0.9	1.23	<5	10	2.30
853448	Drill Core	0.087	24.4	9.3	0.36	1738	0.006	0.71	<0.01	0.44	<0.5	0.08	3.1	0.9	1.25	<5	11	2.37
853449	Drill Core	0.081	23.3	9.5	0.37	1718	0.006	0.71	<0.01	0.45	<0.5	0.07	2.9	0.8	1.20	<5	13	2.30
853450	Drill Core	0.082	18.6	8.0	0.37	1538	0.006	0.59	<0.01	0.38	<0.5	0.11	2.9	0.8	1.71	<5	12	2.37
851958	Drill Core	0.084	24.2	9.7	0.39	1721	0.006	0.65	<0.01	0.39	<0.5	0.12	2.5	0.8	1.31	<5	13	2.32
851959 DUP 851958 PULP	Drill Core	0.079	23.3	8.8	0.39	1622	0.006	0.67	<0.01	0.39	<0.5	0.09	3.0	0.7	1.27	<5	12	2.33
851960	Drill Core	0.088	23.9	9.5	0.39	1411	0.006	0.68	<0.01	0.41	<0.5	0.12	3.2	0.7	1.29	<5	12	2.27
851961	Drill Core	0.077	22.7	8.4	0.33	1628	0.006	0.65	<0.01	0.40	<0.5	0.13	2.9	1.0	1.38	<5	12	2.25
851962	Drill Core	0.089	22.9	9.0	0.33	1211	0.006	0.64	<0.01	0.39	<0.5	0.20	2.1	0.8	1.37	<5	12	2.25
851963	Drill Core	0.066	14.3	5.3	0.51	818	0.004	0.44	<0.01	0.24	<0.5	0.38	1.6	2.9	4.57	<5	22	2.33

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CERTIFICATE OF ANALYSIS VAN10006053.2

	Method	**WGHT**	**4A**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**
	Analyte	**Wgt**	**Ba**	**Mo**	**Cu**	**Pb**	**Zn**	**Ag**	**Ni**	**Co**	**Mn**	**Fe**	**As**	**U**	**Th**	**Sr**	**Cd**	**Sb**	**Bi**	**V**	**Ca**
	Unit	**kg**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**
	MDL	**0.01**	**10**	**0.5**	**0.5**	**0.5**	**5**	**0.5**	**0.5**	**0.5**	**5**	**0.01**	**5**	**0.5**	**0.5**	**5**	**0.5**	**0.5**	**0.5**	**10**	**0.01**
851964	Drill Core	1.60	8385	27.8	63.1	191.5	23	3.5	92.9	7.2	171	4.01	35	4.0	4.1	145	<0.5	59.2	<0.5	57	0.78
851965	Drill Core	2.51	10613	23.0	52.6	127.9	15	2.1	82.2	7.4	148	2.82	28	3.8	4.6	146	<0.5	39.6	<0.5	57	1.09
851966	Drill Core	2.43	10040	25.5	63.9	135.2	699	2.3	91.5	7.7	123	2.62	38	4.5	4.7	127	10.1	43.5	<0.5	81	1.00
851967	Drill Core	2.22	11257	24.2	69.9	167.3	286	2.3	93.0	8.2	102	3.36	39	5.3	4.3	43	3.7	49.3	<0.5	85	0.33
851968	Drill Core	2.21	11829	25.9	58.6	132.2	20	2.0	107.4	17.7	133	2.53	43	5.1	3.6	91	<0.5	42.7	<0.5	87	0.94
851969	Rock Pulp	0.02	963	0.9	15.7	3.9	33	<0.5	1.1	3.2	565	1.49	<5	1.6	5.2	11	<0.5	<0.5	<0.5	12	0.14
851970	Drill Core	1.97	10566	23.8	50.5	108.5	34	1.7	105.6	24.0	126	2.11	40	5.0	3.4	85	0.6	34.6	<0.5	66	0.92
851971	Drill Core	1.40	9193	22.1	56.4	98.5	393	2.4	89.4	7.9	91	2.24	39	4.7	2.2	66	4.8	31.0	<0.5	66	1.07
851972	Drill Core	1.88	7051	13.4	43.8	54.3	3123	1.5	64.0	5.8	221	1.66	11	2.7	2.9	153	39.6	16.8	<0.5	57	1.85
851973	Drill Core	1.27	28170	19.2	60.2	76.5	5683	2.1	82.5	6.4	302	1.74	19	3.4	2.7	184	73.7	22.8	<0.5	63	2.42
851974	Drill Core	2.15	18892	32.7	45.9	90.5	1554	1.7	81.6	8.2	170	2.05	26	7.1	2.0	76	19.3	24.0	<0.5	66	1.08

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CERTIFICATE OF ANALYSIS VAN10006053.2

	Method	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**G8SG**
	Analyte	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**SG**
	Unit	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	
	MDL	**0.001**	**0.5**	**0.5**	**0.01**	**5**	**0.001**	**0.01**	**0.01**	**0.01**	**0.5**	**0.05**	**0.5**	**0.5**	**0.05**	**5**	**2**	**0**
851964	Drill Core	0.048	16.9	6.0	0.06	985	0.003	0.45	<0.01	0.24	<0.5	0.47	1.0	4.7	4.35	<5	42	2.32
851965	Drill Core	0.059	17.0	6.3	0.07	1360	0.003	0.41	<0.01	0.23	<0.5	0.30	1.4	2.8	3.17	<5	41	2.35
851966	Drill Core	0.065	17.1	6.8	0.07	1605	0.004	0.50	<0.01	0.27	<0.5	0.41	1.4	2.8	3.10	<5	44	2.30
851967	Drill Core	0.053	15.9	5.8	0.05	1028	0.004	0.46	<0.01	0.25	<0.5	0.52	1.3	3.2	3.77	<5	51	2.28
851968	Drill Core	0.046	19.6	8.2	0.06	1318	0.003	0.46	<0.01	0.24	<0.5	0.45	1.3	2.8	2.71	<5	36	2.30
851969	Rock Pulp	0.020	9.2	14.3	0.24	153	0.079	0.74	0.13	0.34	<0.5	<0.05	3.5	<0.5	<0.05	<5	<2	N.A.
851970	Drill Core	0.044	21.3	5.5	0.05	1515	0.003	0.38	<0.01	0.21	<0.5	0.41	0.9	2.4	2.32	<5	34	2.30
851971	Drill Core	0.032	14.8	6.1	0.05	1620	0.003	0.41	<0.01	0.21	<0.5	0.39	1.0	1.7	2.43	<5	42	2.23
851972	Drill Core	0.062	17.0	5.9	0.27	1232	0.003	0.39	<0.01	0.21	<0.5	0.50	1.2	1.1	1.85	<5	24	2.24
851973	Drill Core	0.032	14.6	5.0	0.26	1620	0.003	0.44	<0.01	0.23	<0.5	1.06	1.8	1.6	2.12	<5	39	2.35
851974	Drill Core	0.014	11.2	6.1	0.07	1449	0.002	0.34	<0.01	0.18	<0.5	0.53	1.1	2.6	2.29	<5	26	2.16

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QUALITY CONTROL REPORT VAN10006053.2

	Method	WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
	Analyte	Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	10	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
Pulp Duplicates																					
853048	Drill Core	2.07	17878	22.1	52.1	795.6	12797	3.3	80.1	6.7	251	8.88	41	2.3	3.5	189	66.5	29.4	<0.5	55	1.06
REP 853048	QC			20.9	50.9	790.5	12716	3.3	78.6	5.9	250	8.72	39	2.4	3.3	178	66.7	30.1	<0.5	52	1.04
853261	Drill Core	4.23	2221	2.4	11.6	12.7	45	<0.5	28.8	3.1	39	0.93	8	<0.5	1.4	96	<0.5	3.5	<0.5	24	0.40
REP 853261	QC		2176																		
REP 853280	QC		7554																		
853294	Drill Core	0.80	43588	18.1	48.1	34.3	1156	0.7	78.6	10.0	139	2.46	19	5.3	4.8	291	14.2	22.6	<0.5	57	1.55
REP 853294	QC			17.6	47.4	35.5	1129	0.8	78.6	9.6	137	2.41	18	5.5	4.9	290	14.2	21.1	<0.5	58	1.55
853296	Drill Core	2.55	72901	36.3	29.4	45.1	544	0.5	99.7	8.4	107	2.05	20	9.1	2.8	153	5.5	24.5	<0.5	393	0.77
REP 853296	QC		72701																		
853316	Drill Core	2.51	9427	12.0	50.4	11.8	1414	1.0	56.9	8.9	103	1.62	15	2.2	6.7	92	16.3	12.0	<0.5	57	0.85
REP 853316	QC			12.2	47.9	11.8	1426	1.1	57.2	8.4	101	1.62	16	2.0	6.0	91	16.5	11.2	<0.5	58	0.86
REP 853350	QC		10840																		
853366	Drill Core	3.03	2909	7.2	21.7	16.8	1565	1.5	26.6	2.7	180	1.56	9	1.2	0.9	312	16.8	3.8	<0.5	24	2.09
REP 853366	QC			7.2	20.8	17.8	1559	1.5	27.6	2.3	178	1.56	8	1.2	0.9	289	18.0	3.6	<0.5	25	2.08
853367	Drill Core	2.83	4342	12.7	26.4	11.8	1816	2.0	36.1	3.6	170	1.42	10	2.4	1.6	272	20.5	5.4	<0.5	39	1.81
REP 853367	QC		4466																		
853416	Drill Core	2.11	11287	19.2	40.6	49.7	2166	1.2	75.2	8.1	131	2.57	26	3.7	5.7	118	21.1	20.9	<0.5	53	0.78
REP 853416	QC			20.2	39.3	52.7	2192	1.2	80.1	8.2	130	2.55	25	3.8	5.6	115	21.4	20.1	<0.5	51	0.79
853421	Drill Core	2.65	10176	20.9	26.6	23.9	3018	1.1	74.8	7.7	192	1.97	21	4.0	4.7	132	34.7	13.3	<0.5	76	1.46
REP 853421	QC			21.4	28.6	24.2	3040	1.1	75.5	8.3	195	1.99	21	3.9	4.8	139	38.2	13.6	<0.5	77	1.47
853443	Drill Core	2.39	6694	19.1	39.4	19.5	653	0.7	67.0	8.6	113	1.35	20	4.1	6.5	90	6.3	11.0	<0.5	85	1.34
REP 853443	QC		6996																		
Core Reject Duplicates																					
853280	Drill Core	1.56	7296	24.2	44.9	200.2	2205	0.9	81.9	7.1	68	1.54	47	7.2	2.9	90	14.8	22.3	<0.5	76	0.61
DUP 853280	QC		7533	27.1	47.4	218.1	2358	0.9	95.6	8.9	68	1.60	56	8.5	2.6	91	17.6	24.9	<0.5	72	0.53
853315	Drill Core	3.31	9837	14.9	40.3	31.4	819	1.5	66.2	9.0	84	1.89	23	2.3	6.2	92	11.8	18.1	<0.5	46	0.67
DUP 853315	QC		9690	15.3	41.6	30.8	854	1.4	68.0	9.0	80	1.90	23	2.3	5.7	79	9.7	17.6	<0.5	49	0.65
853350	Drill Core	2.85	11054	11.3	13.0	7.7	823	<0.5	43.9	7.1	28	1.29	11	1.7	5.8	54	8.4	4.0	<0.5	41	0.26

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QUALITY CONTROL REPORT VAN10006053.2

	Method	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**7AX**	**G8SG**
	Analyte	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**SG**
	Unit	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	
	MDL	**0.001**	**0.5**	**0.5**	**0.01**	**5**	**0.001**	**0.01**	**0.01**	**0.01**	**0.5**	**0.05**	**0.5**	**0.5**	**0.05**	**5**	**2**	**0**
Pulp Duplicates																		
853048	Drill Core	0.018	11.5	7.4	0.23	210	0.004	0.45	<0.01	0.21	<0.5	0.58	1.7	17.7	9.93	<5	23	2.71
REP 853048	QC	0.017	10.3	7.2	0.24	172	0.004	0.43	<0.01	0.20	<0.5	0.60	1.7	18.0	9.91	<5	22	
853261	Drill Core	0.019	6.1	22.3	0.04	710	0.002	0.17	<0.01	0.07	<0.5	<0.05	<0.5	<0.5	0.88	<5	<2	2.31
REP 853261	QC																	
REP 853280	QC																	
853294	Drill Core	0.022	17.9	8.3	0.35	2398	0.001	0.42	<0.01	0.14	<0.5	0.17	2.4	0.8	1.75	<5	14	2.35
REP 853294	QC	0.022	17.9	8.5	0.34	2268	0.002	0.42	<0.01	0.15	<0.5	0.20	2.4	0.8	1.72	<5	14	
853296	Drill Core	0.030	12.7	20.8	0.43	7357	0.063	2.61	<0.01	0.06	<0.5	0.18	4.9	1.0	0.77	6	7	2.43
REP 853296	QC																	
853316	Drill Core	0.077	26.0	7.8	0.27	1410	0.005	0.56	<0.01	0.36	<0.5	0.09	2.8	0.6	1.35	<5	13	2.44
REP 853316	QC	0.077	25.3	7.7	0.27	1324	0.005	0.57	<0.01	0.36	<0.5	0.09	3.0	0.7	1.34	<5	12	
REP 853350	QC																	
853366	Drill Core	0.027	4.2	12.4	0.28	1050	0.001	0.15	<0.01	0.09	<0.5	0.07	0.7	0.7	1.12	<5	5	2.48
REP 853366	QC	0.027	4.1	13.7	0.29	1018	0.001	0.16	<0.01	0.08	<0.5	0.07	0.8	0.7	1.12	<5	5	
853367	Drill Core	0.054	7.6	10.9	0.28	1547	0.002	0.21	<0.01	0.13	<0.5	0.07	1.0	<0.5	0.95	<5	8	2.47
REP 853367	QC																	
853416	Drill Core	0.061	19.5	5.8	0.17	928	0.004	0.50	<0.01	0.30	<0.5	0.21	1.4	2.2	2.92	<5	21	2.35
REP 853416	QC	0.060	19.4	5.1	0.17	921	0.004	0.48	<0.01	0.29	<0.5	0.17	2.1	2.2	2.90	<5	20	
853421	Drill Core	0.061	19.1	8.5	0.26	3359	0.004	0.63	<0.01	0.31	<0.5	0.14	3.1	1.5	1.94	<5	17	2.37
REP 853421	QC	0.071	21.4	8.8	0.28	3496	0.005	0.64	<0.01	0.33	<0.5	0.15	2.7	1.5	1.93	<5	21	
853443	Drill Core	0.081	23.3	10.9	0.29	1330	0.006	0.71	<0.01	0.42	<0.5	0.11	2.9	0.8	1.14	<5	10	2.35
REP 853443	QC																	
Core Reject Duplicates																		
853280	Drill Core	0.022	12.6	5.2	0.04	1617	0.003	0.42	<0.01	0.18	<0.5	0.34	1.0	2.7	1.80	<5	14	2.20
DUP 853280	QC	0.026	16.1	5.7	0.05	1847	0.004	0.43	<0.01	0.20	<0.5	0.35	1.2	3.5	1.84	<5	16	2.31
853315	Drill Core	0.075	23.2	6.4	0.24	1536	0.004	0.48	<0.01	0.31	<0.5	0.09	2.9	1.4	1.75	<5	14	2.47
DUP 853315	QC	0.075	23.1	7.3	0.22	1508	0.004	0.52	<0.01	0.30	<0.5	0.13	2.5	1.2	1.79	<5	13	2.45
853350	Drill Core	0.065	22.2	7.2	0.10	1828	0.004	0.52	<0.01	0.31	<0.5	0.07	2.3	0.6	1.36	<5	6	2.46

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Report Date: November 30, 2010

QUALITY CONTROL REPORT VAN10006053.2

		WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
		Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	10	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
DUP 853350	QC		10283	12.3	12.8	8.6	785	<0.5	44.5	7.8	30	1.31	12	1.8	4.9	52	9.8	3.9	<0.5	31	0.24
853385	Drill Core	2.17	9852	18.5	48.8	134.0	232	3.1	77.3	5.9	497	5.96	54	1.6	3.9	335	2.9	11.4	<0.5	37	4.49
DUP 853385	QC		10076	17.1	45.3	134.7	211	2.9	68.4	5.6	512	5.80	52	1.8	4.2	383	2.8	11.0	0.5	43	4.27
853420	Drill Core	2.43	12425	29.4	66.8	152.5	682	3.6	99.7	6.9	235	5.68	53	3.5	4.8	144	7.6	43.6	<0.5	53	1.09
DUP 853420	QC		12511	28.7	63.4	122.1	534	3.3	96.4	6.9	207	5.55	51	3.6	4.8	112	6.3	42.2	<0.5	62	1.05
851962	Drill Core	2.30	6946	19.2	29.9	28.9	3073	0.8	59.6	7.5	122	1.28	17	4.0	6.0	98	35.9	12.2	<0.5	80	1.45
DUP 851962	QC		6891	18.4	29.1	20.0	2833	0.8	57.8	7.4	132	1.31	13	3.9	5.8	103	37.4	12.0	<0.5	75	1.50
Reference Materials																					
STD SF-3A	Standard			311.3	7572	8696	10726	52.8	3391	182.6	4168	7.50	40	3.3	3.2	55	48.2	9.5	4.9	103	2.47
STD SF-3A	Standard			309.3	7540	8747	10552	52.4	3366	179.7	4155	7.61	41	3.2	3.2	55	46.6	9.8	4.8	102	2.56
STD SF-3A	Standard			316.8	7650	8842	10778	51.6	3444	182.5	4214	7.74	44	3.7	3.0	55	51.7	10.0	5.0	103	2.57
STD SF-3A	Standard			315.7	7741	8724	10589	50.5	3446	182.8	4207	7.72	41	3.4	3.1	57	49.0	9.8	4.9	104	2.56
STD SF-3A	Standard			318.9	7767	8873	11077	52.2	3416	185.6	4178	7.71	45	3.0	2.9	57	48.1	9.4	4.6	111	2.58
STD SF-3A	Standard			317.7	7764	8955	11108	53.7	3416	187.3	4171	7.73	46	3.2	2.9	54	44.7	9.6	4.7	110	2.60
STD SF-3A	Standard			313.7	7691	8842	11129	52.2	3401	180.6	4225	7.68	43	3.7	3.2	67	47.1	10.2	5.1	109	2.56
STD SF-3A	Standard			310.4	7734	8902	11148	53.0	3406	185.3	4204	7.69	43	3.6	2.9	66	47.8	10.0	5.1	108	2.56
STD SF-3A	Standard			317.6	7697	8790	10822	51.3	3348	188.3	4235	7.81	46	3.6	2.9	64	53.7	10.1	5.0	104	2.57
STD SF-3A	Standard			315.6	7665	8793	10899	53.5	3340	184.6	4261	7.79	44	3.5	3.1	65	53.6	10.5	4.9	104	2.51
STD SF-3A	Standard			293.0	7648	8777	10850	51.9	3348	184.1	4163	7.76	48	3.4	2.9	59	53.2	10.3	4.8	105	2.51
STD SF-3A	Standard			292.9	7560	8456	10688	50.0	3304	180.6	4093	7.65	45	3.3	3.2	54	55.0	10.0	4.7	103	2.48
STD SF-3A	Standard			319.0	7790	9026	10719	52.3	3432	184.7	4238	7.89	43	3.0	2.8	53	49.4	9.5	4.5	106	2.63
STD SF-3A	Standard			313.4	7755	8808	10703	51.3	3397	185.8	4234	7.82	41	2.8	2.7	53	48.2	9.1	4.5	103	2.60
STD SO-18	Standard		505																		
STD SO-18	Standard		496																		
STD SO-18	Standard		505																		
STD SO-18	Standard		499																		
STD SO-18	Standard		500																		
STD SO-18	Standard		503																		
STD SO-18	Standard		501																		

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		7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
		0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0
DUP 853350	QC	0.066	22.1	5.2	0.10	1615	0.003	0.38	<0.01	0.25	<0.5	0.07	1.9	0.8	1.32	<5	5	2.50
853385	Drill Core	0.057	13.1	6.0	0.32	500	0.003	0.33	<0.01	0.21	<0.5	0.39	2.4	5.6	6.00	<5	12	2.58
DUP 853385	QC	0.052	14.4	6.1	0.31	294	0.004	0.43	<0.01	0.24	<0.5	0.51	1.6	5.5	6.55	<5	10	2.51
853420	Drill Core	0.056	15.5	6.3	0.19	281	0.004	0.56	<0.01	0.25	<0.5	0.35	1.8	5.7	6.57	<5	29	2.47
DUP 853420	QC	0.057	17.4	6.6	0.16	381	0.005	0.62	<0.01	0.27	<0.5	0.41	1.9	5.6	6.32	<5	30	2.52
851962	Drill Core	0.089	22.9	9.0	0.33	1211	0.006	0.64	<0.01	0.39	<0.5	0.20	2.1	0.8	1.37	<5	12	2.25
DUP 851962	QC	0.083	21.0	7.2	0.38	1094	0.006	0.63	<0.01	0.34	<0.5	0.15	2.1	0.8	1.40	<5	10	2.25
Reference Materials																		
STD SF-3A	Standard	0.055	9.1	172.4	4.28	270	0.115	1.04	0.50	1.03	2.9	0.55	2.8	2.4	4.89	<5	8	
STD SF-3A	Standard	0.055	9.0	169.2	4.24	276	0.116	1.03	0.50	1.02	3.3	0.60	3.0	2.6	4.95	<5	8	
STD SF-3A	Standard	0.056	9.0	174.7	4.31	279	0.115	1.02	0.51	1.04	3.3	0.55	3.1	2.2	4.95	<5	10	
STD SF-3A	Standard	0.055	9.1	173.4	4.30	274	0.115	1.02	0.50	1.05	3.2	0.55	3.1	2.4	4.84	<5	8	
STD SF-3A	Standard	0.057	9.4	181.7	4.30	274	0.122	1.04	0.51	1.07	3.2	0.54	3.5	2.7	5.11	<5	10	
STD SF-3A	Standard	0.057	8.8	185.6	4.27	281	0.119	1.04	0.51	1.07	3.1	0.62	3.1	2.6	5.16	5	9	
STD SF-3A	Standard	0.056	9.0	176.1	4.27	275	0.117	1.02	0.50	1.05	3.2	0.60	2.8	2.6	5.17	<5	6	
STD SF-3A	Standard	0.059	9.4	176.8	4.25	277	0.118	1.02	0.50	1.04	3.1	0.63	2.8	2.5	5.26	<5	9	
STD SF-3A	Standard	0.057	9.8	174.5	4.25	298	0.114	1.01	0.49	1.03	3.2	0.60	3.2	2.7	5.01	<5	8	
STD SF-3A	Standard	0.058	9.2	173.6	4.27	287	0.113	1.01	0.50	1.04	3.3	0.55	3.3	2.8	5.01	<5	9	
STD SF-3A	Standard	0.059	8.9	169.6	4.25	325	0.110	0.99	0.49	1.05	3.2	0.68	3.0	2.7	4.85	<5	8	
STD SF-3A	Standard	0.057	8.6	165.1	4.19	312	0.106	0.97	0.48	1.04	3.2	0.60	3.0	2.8	4.88	<5	7	
STD SF-3A	Standard	0.054	9.4	175.0	4.26	266	0.117	1.02	0.51	1.06	3.4	0.61	3.2	2.4	4.96	<5	8	
STD SF-3A	Standard	0.055	9.1	174.2	4.24	264	0.114	1.00	0.51	1.05	3.3	0.64	3.0	2.4	4.93	<5	6	
STD SO-18	Standard																	
STD SO-18	Standard																	
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		WGHT	4A	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX
		Wgt	Ba	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	10	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
STD SO-18	Standard		491																		
STD SO-18	Standard		497																		
STD SO-18	Standard		493																		
STD SO-18	Standard		505																		
STD SO-18	Standard		511																		
STD SO-18	Standard		515																		
STD SO-18	Standard		511																		
STD SO-18 Expected			515																		
STD SF-3A Expected				308	7705	9625	10628	54	3365	183	4247	7.91	46	3.3	2.8	50	45	10	4.6	102	2.59
BLK	Blank			<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank			<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank		<10																		
BLK	Blank			<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank		<10																		
BLK	Blank		<10																		
BLK	Blank			<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank		<10																		
BLK	Blank			<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank		<10																		
BLK	Blank		<10																		
BLK	Blank		<10																		
BLK	Blank			<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank			<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
Prep Wash																					
G1	Prep Blank	<0.01	1034	<0.5	6.6	4.5	55	<0.5	4.2	5.6	644	2.11	<5	2.2	6.9	62	<0.5	<0.5	<0.5	43	0.61
G1	Prep Blank	<0.01	1084	<0.5	4.4	4.1	59	<0.5	4.8	4.6	663	2.09	<5	2.2	7.3	66	<0.5	<0.5	<0.5	42	0.60

AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Canada Zinc Metals Corp.**
620-650 West Georgia Street
Vancouver BC V6B 4N9 Canada

Project: AKIE
Report Date: November 30, 2010

Page: 3 of 3 Part 2

QUALITY CONTROL REPORT VAN10006053.2

		7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	7AX	G8SG
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SG
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
		0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0
STD SO-18	Standard																	
STD SO-18	Standard																	
STD SO-18	Standard																	
STD SO-18	Standard																	
STD SO-18	Standard																	
STD SO-18	Standard																	
STD SO-18	Standard																	
STD SO-18 Expected																		
STD SF-3A Expected		0.054	8.3	167	4.27	260	0.117	1	0.47	0.99	3.2	0.6	3	2.7	4.2	4	10	
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2	
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2	
BLK	Blank																	
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2	
BLK	Blank																	
BLK	Blank																	
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2	
BLK	Blank																	
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2	
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2	
Prep Wash																		
G1	Prep Blank	0.088	14.0	10.1	0.55	185	0.151	1.23	0.19	0.59	<0.5	<0.05	2.5	<0.5	0.07	<5	<2	2.72
G1	Prep Blank	0.086	14.3	11.9	0.59	201	0.161	1.36	0.22	0.63	<0.5	<0.05	2.9	<0.5	<0.05	<5	<2	2.70

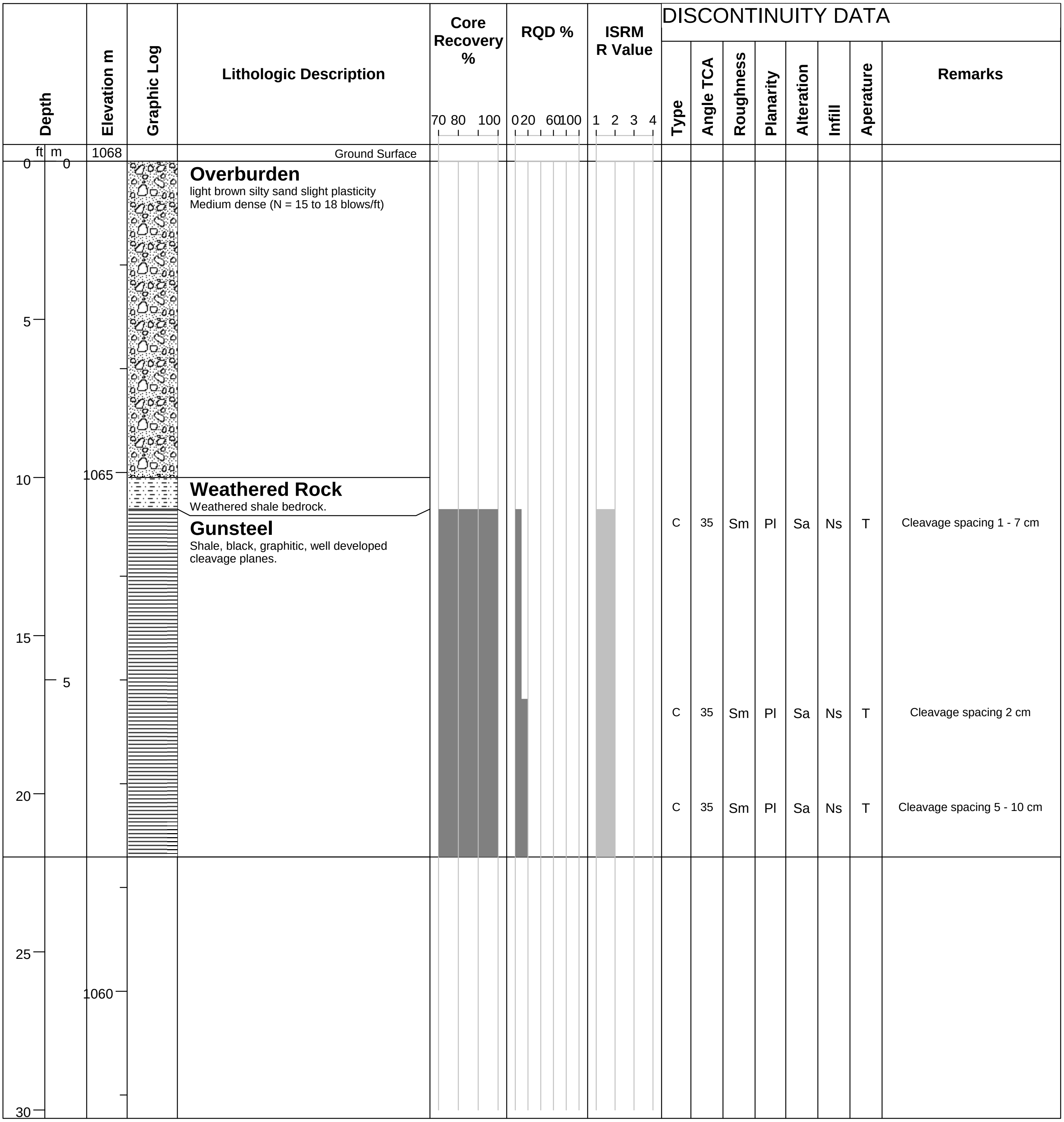
APPENDIX 7 TECHNICAL DRILL LOGS

Michael Cullen Geotechnical Ltd

LOG FOR DRILLHOLE #: A-10-77 rock (formerly DH10-06) Page: 1 of 1

Client: Canada Zinc Metals
Project: Akie
Drilling Method: Triple Barrel
Drilling Contractor: Geotech Drilling
Engineer: Lara Fletcher
Date Started: October 2010

Co-ordinates: 389899, 6358691
Collar Elev.: 1068m
Dip/Dip direction: vertical
Total Depth: 6.7 m
Casing Depth: 3.3 m
Hole dia: HQ



Overburden
light brown silty sand slight plasticity
Medium dense (N = 15 to 18 blows/ft)

Weathered Rock
Weathered shale bedrock.

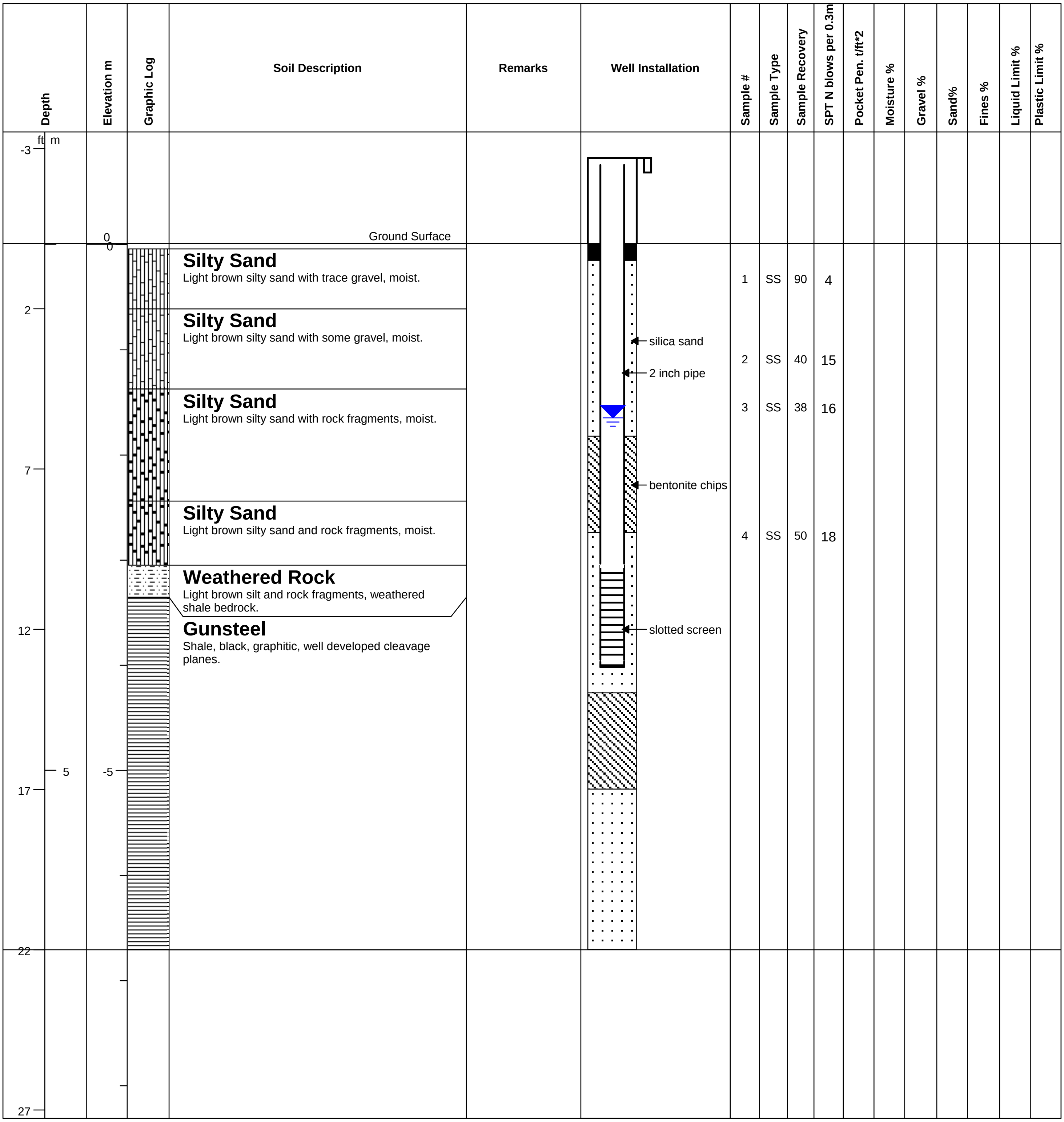
Gunsteel
Shale, black, graphitic, well developed cleavage planes.

Type	Angle TCA	Roughness	Planarity	Alteration	Infill	Aperature	Remarks
C	35	Sm	Pl	Sa	Ns	T	Cleavage spacing 1 - 7 cm
C	35	Sm	Pl	Sa	Ns	T	Cleavage spacing 2 cm
C	35	Sm	Pl	Sa	Ns	T	Cleavage spacing 5 - 10 cm

LOG FOR DRILLHOLE #: A-10- 77 soil (formerly DH10-06) Page: 1 of 1

Client: Canada Zinc Metals
Project: Akie
Drilling Method: Triple Barrel
Drilling Contractor: Geotech Drilling
Engineer: Lara Fletcher
Date Started: October 2010

Co-ordinates: 389899, 6358691
Collar Elev.: 1068
Dip/Dip direction: vertical
Total Depth: 6.7 m
Casing Depth: 3.3 m
Hole dia: HQ



Silty Sand
Light brown silty sand with trace gravel, moist.

Silty Sand
Light brown silty sand with some gravel, moist.

Silty Sand
Light brown silty sand with rock fragments, moist.

Silty Sand
Light brown silty sand and rock fragments, moist.

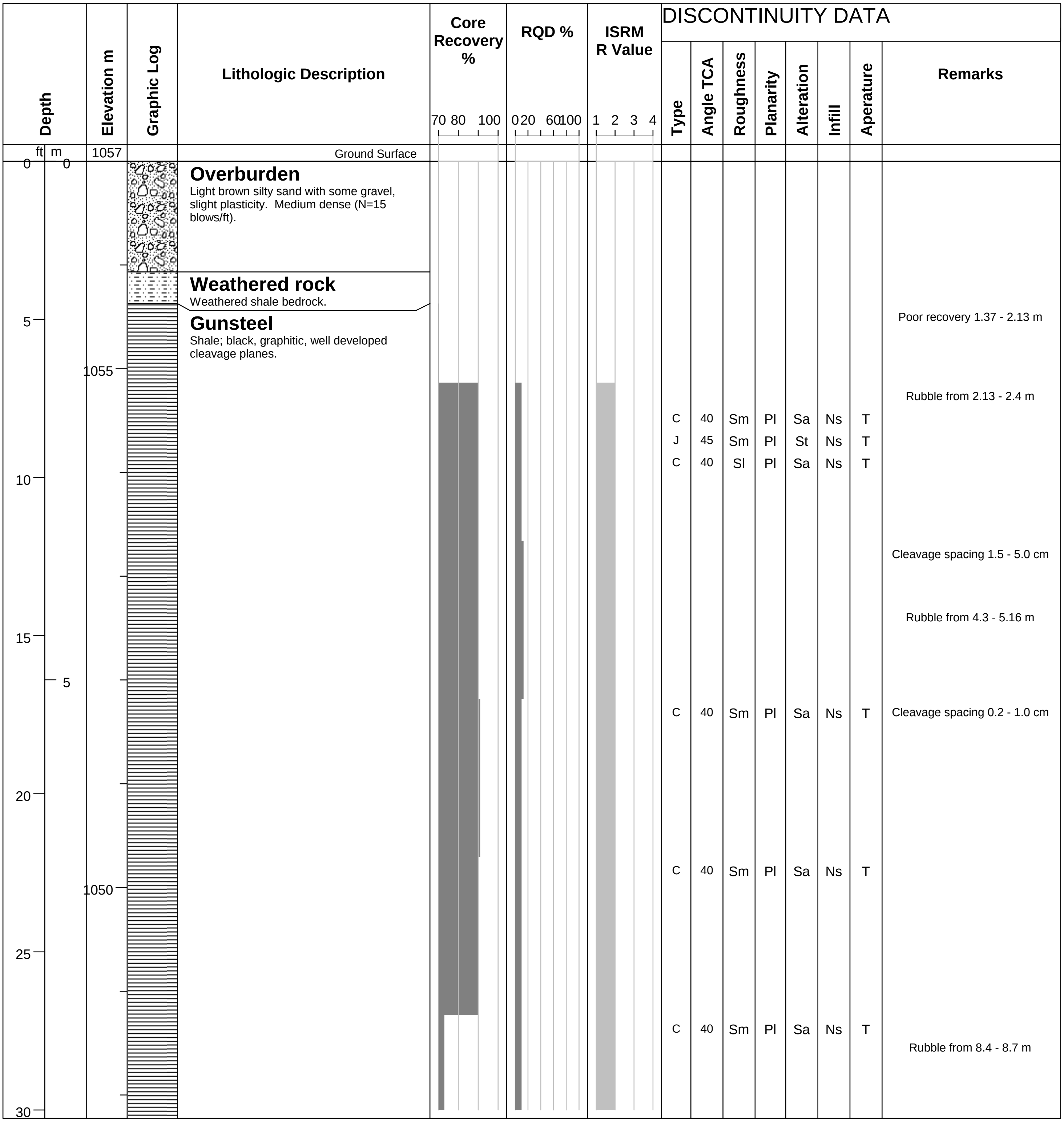
Weathered Rock
Light brown silt and rock fragments, weathered shale bedrock.

Gunsteel
Shale, black, graphitic, well developed cleavage planes.

Sample #	Sample Type	Sample Recovery	SPT N blows per 0.3m	Pocket Pen. t/ft*2	Moisture %	Gravel %	Sand%	Fines %	Liquid Limit %	Plastic Limit %
1	SS	90	4							
2	SS	40	15							
3	SS	38	16							
4	SS	50	18							

LOG FOR DRILLHOLE #: A-10-78 rock (formerly DH10-07) Page: 1 of 5

Client: Canada Zinc Metals	**Co-ordinates: 389892, 6358591**
Project: Akie	**Collar Elev.: 1057m**
Drilling Method: Triple Barrel	**Dip/Dip direction: vertical**
Drilling Contractor: Geotech Drilling	**Total Depth: 38.7 m**
Engineer: Lara Fletcher	**Casing Depth: 1.1 m**
Date Started: October 2010	**Hole dia: HQ**



Overburden
Light brown silty sand with some gravel, slight plasticity. Medium dense (N=15 blows/ft).

Weathered rock
Weathered shale bedrock.

Gunsteel
Shale; black, graphitic, well developed cleavage planes.

Type	Angle TCA	Roughness	Planarity	Alteration	Infill	Aperature
C	40	Sm	Pl	Sa	Ns	T
J	45	Sm	Pl	St	Ns	T
C	40	Sl	Pl	Sa	Ns	T
C	40	Sm	Pl	Sa	Ns	T
C	40	Sm	Pl	Sa	Ns	T
C	40	Sm	Pl	Sa	Ns	T

Remarks:

Poor recovery 1.37 - 2.13 m

Rubble from 2.13 - 2.4 m

Cleavage spacing 1.5 - 5.0 cm

Rubble from 4.3 - 5.16 m

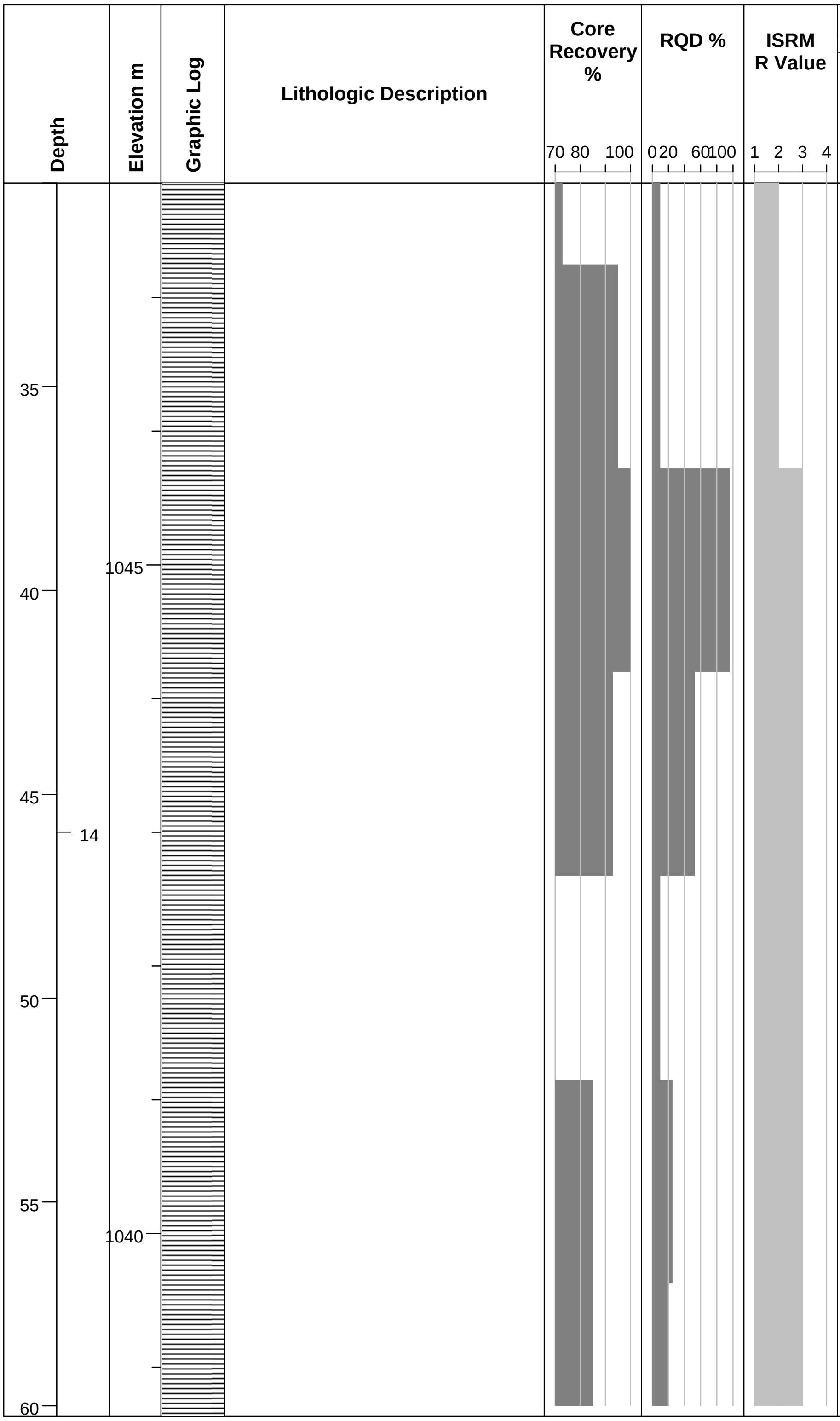
Cleavage spacing 0.2 - 1.0 cm

Rubble from 8.4 - 8.7 m

LOG FOR DRILLHOLE #: A-10-78 rock (formerly DH10-07) Page: 2 of 5

Client: Canada Zinc Metals
Project: Akie
Drilling Method: Triple Barrel
Drilling Contractor: Geotech Drilling
Engineer: Lara Fletcher
Date Started: October 2010

Co-ordinates: 389892, 6358591
Collar Elev.: 1057m
Dip/Dip direction: vertical
Total Depth: 38.7 m
Casing Depth: 1.1 m
Hole dia: HQ



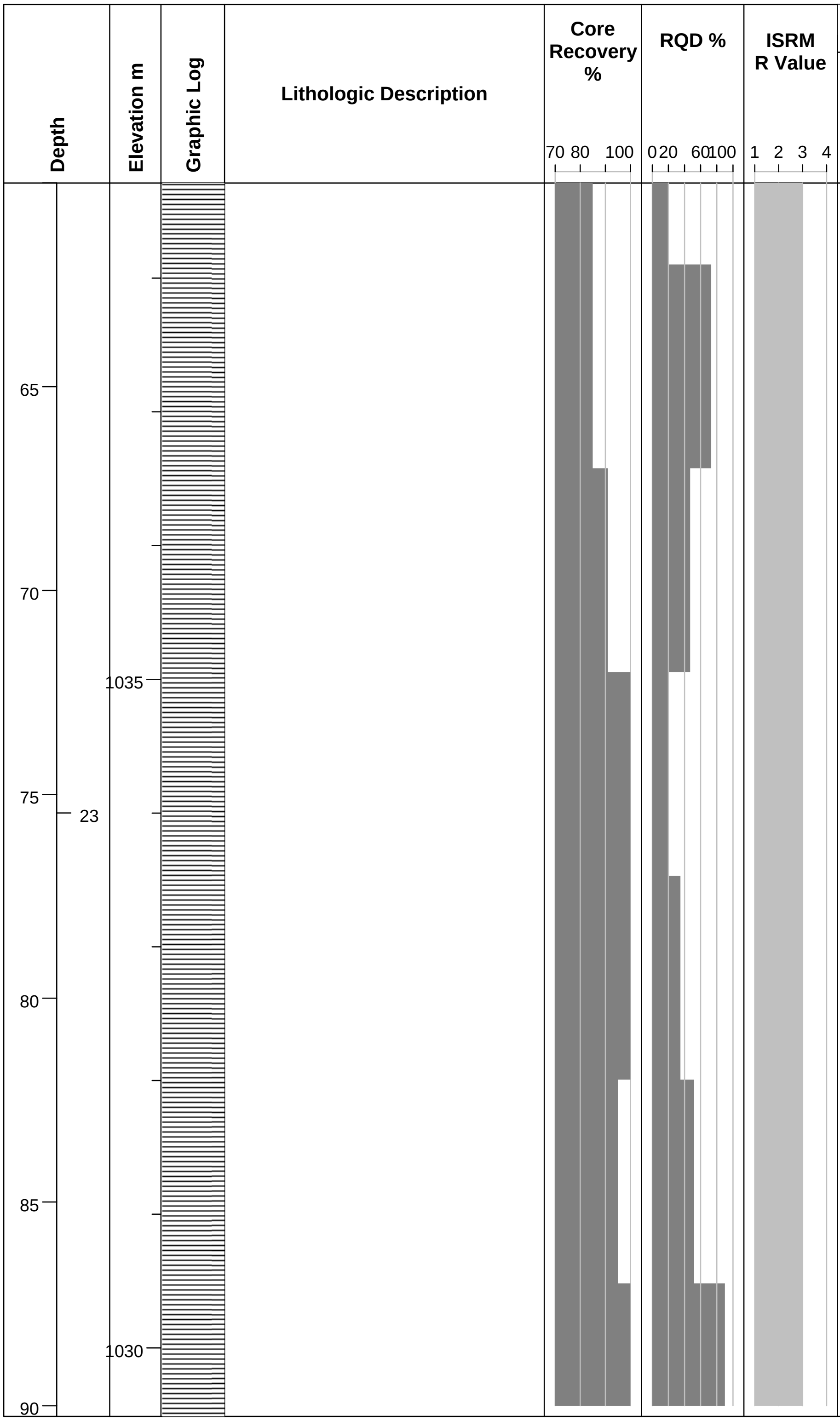
DISCONTINUITY DATA

Type	Angle TCA	Roughness	Planarity	Alteration	Infill	Aperature	Remarks
C	50	Sm	Pl	Sa	Ns	T	
							Rubble from 9.7 - 10.1 m
J	160	Sm	Un	St	Ns	T	
C	40	Sm	Pl	St	Ns	T	
J	155	Sm	Pl	St	Ns	T	
J	150	Sm	Pl	Sa	G	2mm	
C	30	Sm	Pl	St	Ns	T	
J	40	Sm	Pl	Sa	Ns	T	
							Multiple cleavage at 12.8, 13.06, 13.18, 13.33, 13.46 m and 2 cm spacing between 13.60 - 14.33 m
							Poor recovery due to drilling complications
C	30	Sm	Pl	Sa	Ns	T	Cleavage spacing 2 - 5 cm increasing to 15 cm from 16.73 - 17.40 m
J	8	Sm	Pl	Sa	G	T	
J	8	Sm	Pl	St	Ns	T	calcite crystals on surface of joint
C	25	Sm	Pl	St	Ns	T	Cleavage spacing 3 - 10 cm

LOG FOR DRILLHOLE #: A-10-78 rock (formerly DH10-07) Page: 3 of 5

Client: Canada Zinc Metals
Project: Akie
Drilling Method: Triple Barrel
Drilling Contractor: Geotech Drilling
Engineer: Lara Fletcher
Date Started: October 2010

Co-ordinates: 389892, 6358591
Collar Elev.: 1057m
Dip/Dip direction: vertical
Total Depth: 38.7 m
Casing Depth: 1.1 m
Hole dia: HQ

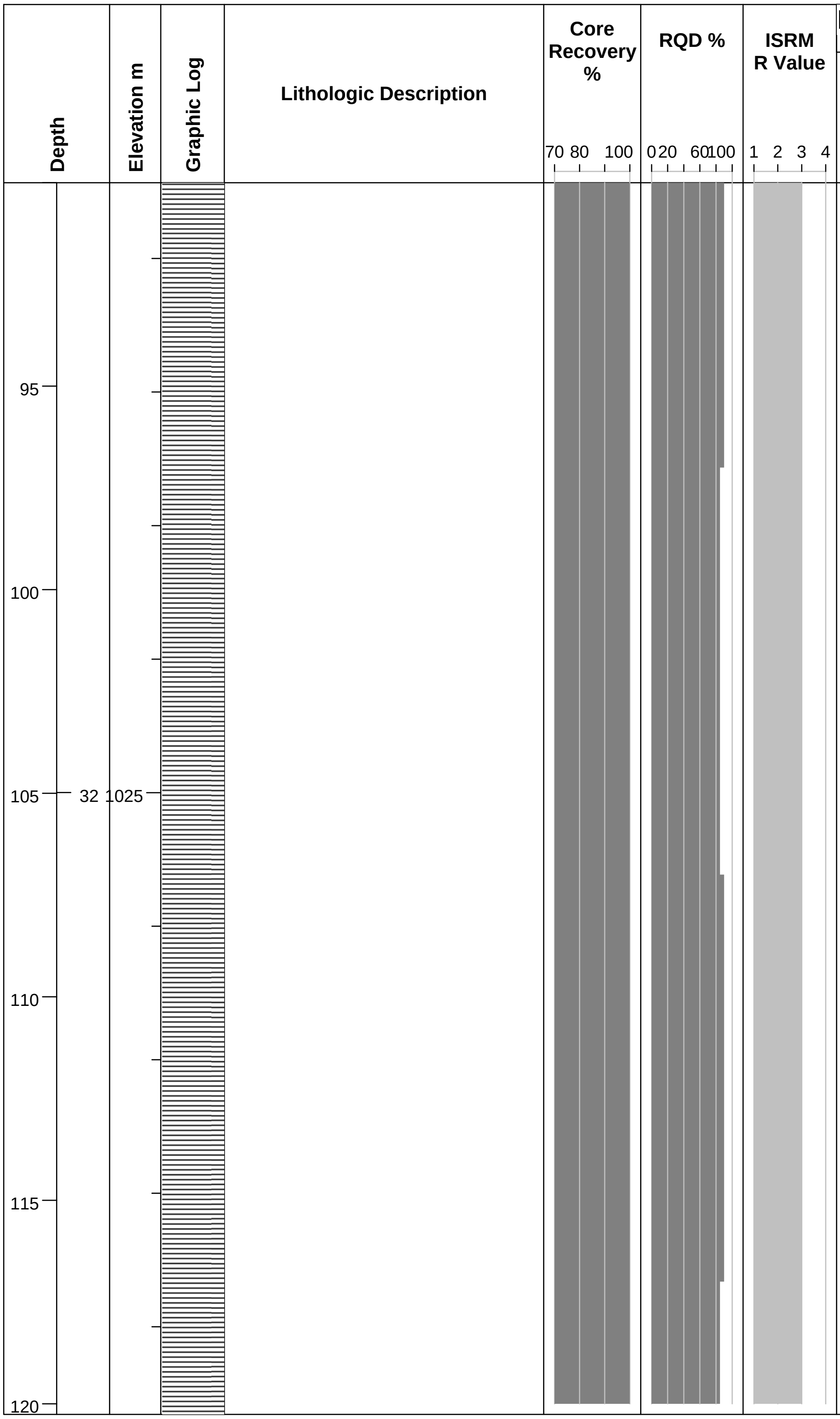


DISCONTINUITY DATA							
Type	Angle TCA	Roughness	Planarity	Alteration	Infill	Aperature	Remarks
C	25	Sm	Pl	St	Ns	T	
C	25	Sm	Pl	St	Ns	T	
C	25	Sm	Pl	St	Ns	T	
J	150	Sm	Pl	St	Ns	T	calcite crystals on surface of joint
J	170	Sm	Pl	St	Ns	T	
C	25	Sm	Pl	St	Ns	T	cleavage spacing 10 - 15 cm
J	170	Sm	Pl	Sa	Ns	T	
C	25	Sm	Pl	St	Ns	T	cleavage spacing 10 - 30 cm
J	135	Sm	Pl	Sa	Ns	T	
J	135	Sm	Pl	Sa	Ns	T	
C	35	Sm	Pl	St	Ns	T	cleavage spacing 30 cm

LOG FOR DRILLHOLE #: A-10-78 rock (formerly DH10-07) Page: 4 of 5

Client: Canada Zinc Metals
Project: Akie
Drilling Method: Triple Barrel
Drilling Contractor: Geotech Drilling
Engineer: Lara Fletcher
Date Started: October 2010

Co-ordinates: 389892, 6358591
Collar Elev.: 1057m
Dip/Dip direction: vertical
Total Depth: 38.7 m
Casing Depth: 1.1 m
Hole dia: HQ



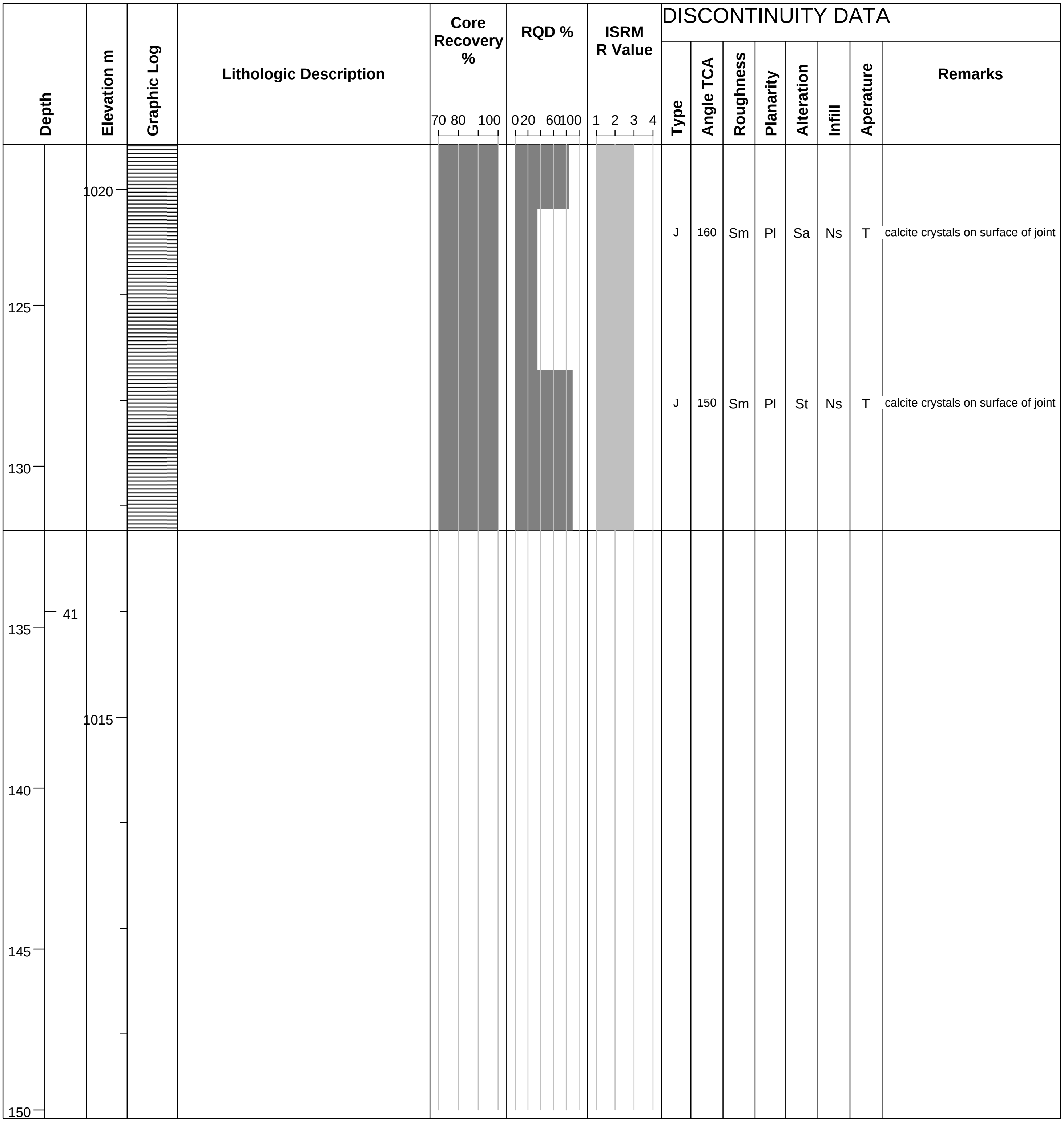
DISCONTINUITY DATA

Type	Angle TCA	Roughness	Planarity	Alteration	Infill	Aperature	Remarks
C	30	Sm	Pl	St	Ns	T	cleavage spacing 30 - 40 cm
C	30	Sm	Pl	St	Ns	T	cleavage spacing 30 - 40 cm
J	170	Sm	Pl	Sa	Ns	T	
J	170	Sm	Pl	Sa	Ns	T	
C	30	Sm	Pl	Sa	Ns	T	cleavage spacing 30 - 40 cm to end of hole

LOG FOR DRILLHOLE #: A-10-78 rock (formerly DH10-07) **Page: 5 of 5**

Client: Canada Zinc Metals
Project: Akie
Drilling Method: Triple Barrel
Drilling Contractor: Geotech Drilling
Engineer: Lara Fletcher
Date Started: October 2010

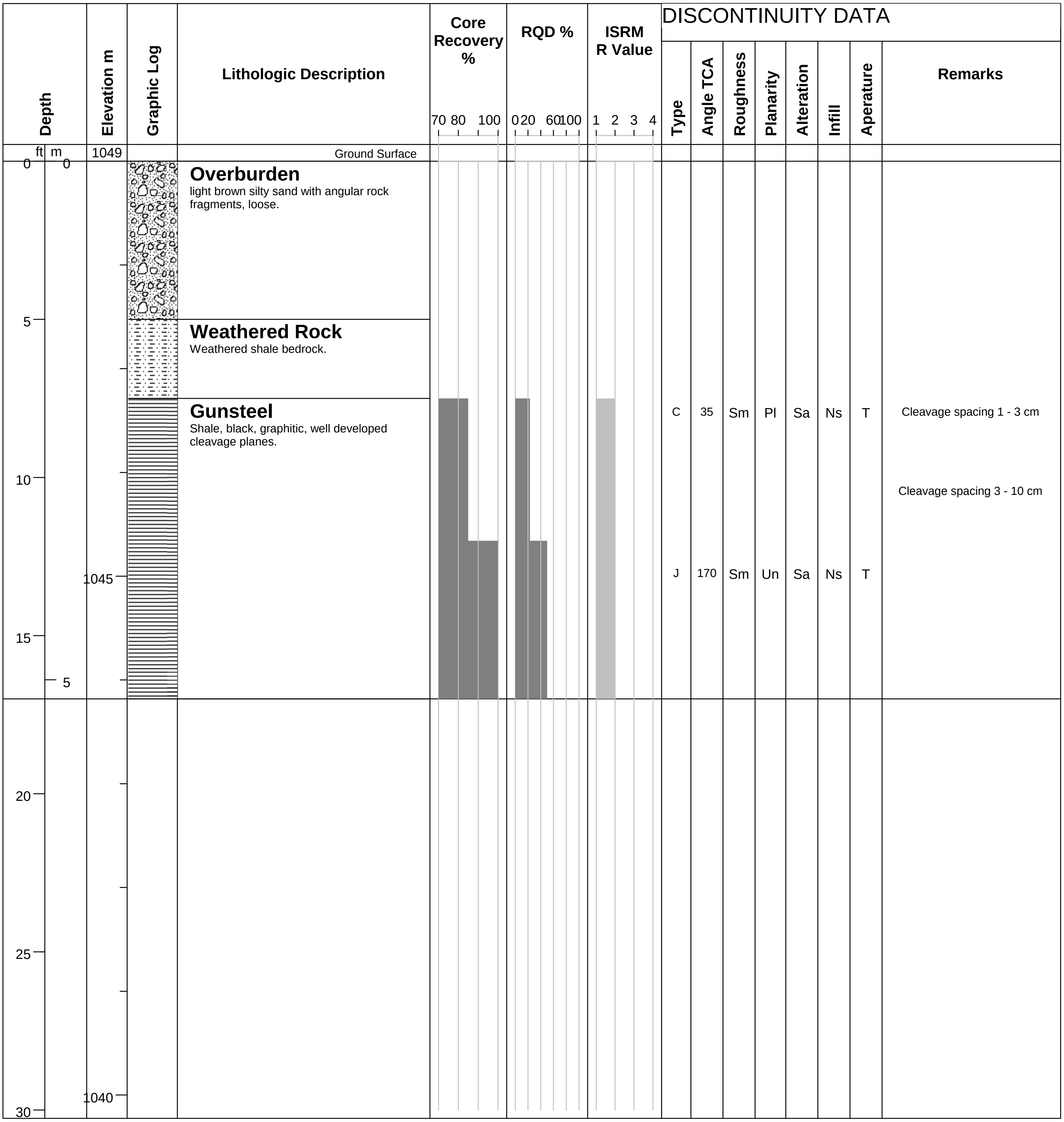
Co-ordinates: 389892, 6358591
Collar Elev.: 1057m
Dip/Dip direction: vertical
Total Depth: 38.7 m
Casing Depth: 1.1 m
Hole dia: HQ



Type	Angle TCA	Roughness	Planarity	Alteration	Infill	Aperature	Remarks
J	160	Sm	Pl	Sa	Ns	T	calcite crystals on surface of joint
J	150	Sm	Pl	St	Ns	T	calcite crystals on surface of joint

LOG FOR DRILLHOLE #: A-10-79 rock (formerly DH10-08) Page: 1 of 1

Client: Canada Zinc Metals	**Co-ordinates: 389929, 6358529**
Project: Akie	**Collar Elev.: 1049m**
Drilling Method: Triple Barrel	**Dip/Dip direction: vertical**
Drilling Contractor: Geotech Drilling	**Total Depth: 5.2 m**
Engineer: Lara Fletcher	**Casing Depth: 1.5 m**
Date Started: October 2010	**Hole dia: HQ**



Overburden
light brown silty sand with angular rock fragments, loose.

Weathered Rock
Weathered shale bedrock.

Gunsteel
Shale, black, graphitic, well developed cleavage planes.

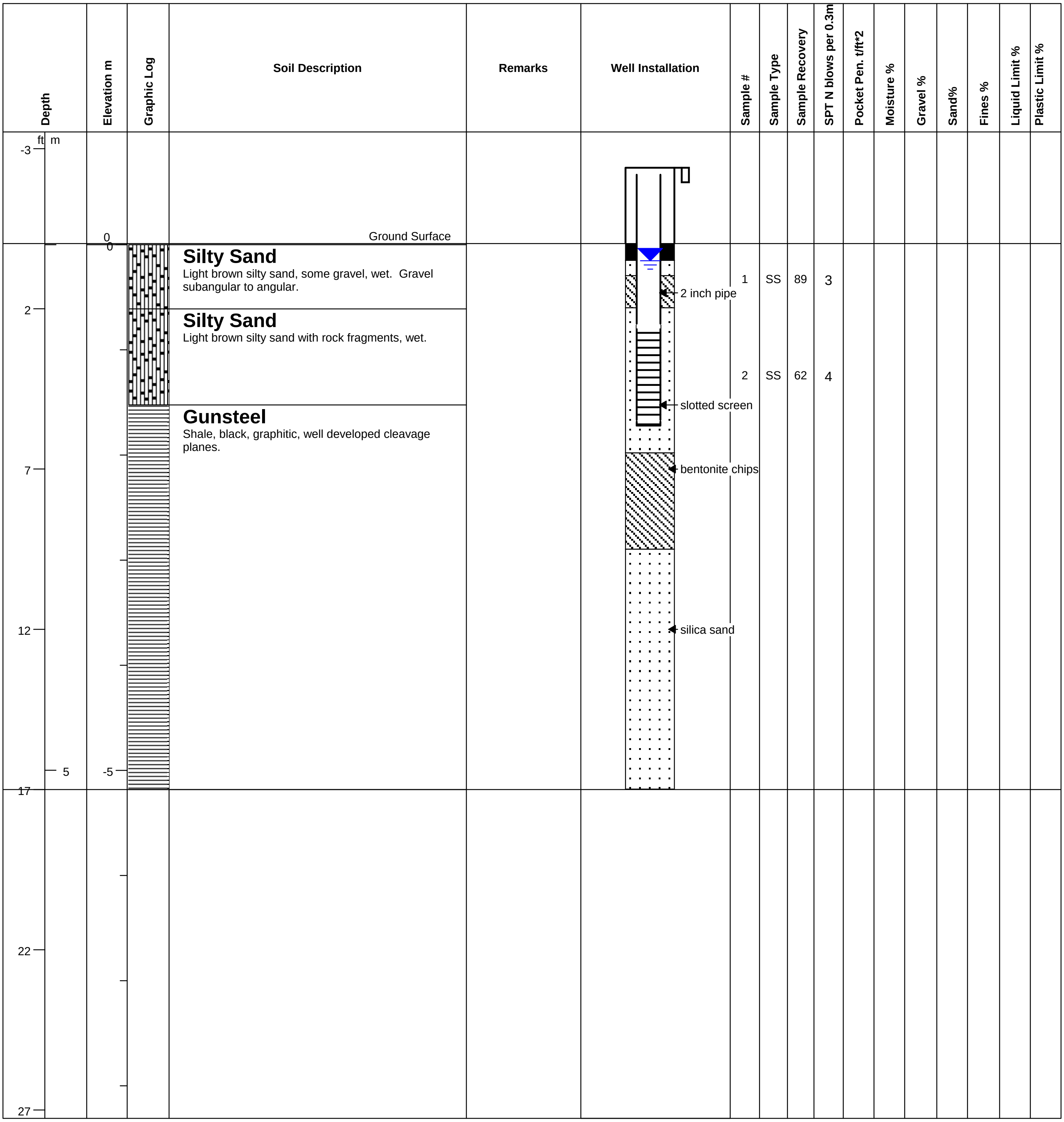
DISCONTINUITY DATA

Type	Angle TCA	Roughness	Planarity	Alteration	Infill	Aperature	Remarks
C	35	Sm	Pl	Sa	Ns	T	Cleavage spacing 1 - 3 cm
							Cleavage spacing 3 - 10 cm
J	170	Sm	Un	Sa	Ns	T	

LOG FOR DRILLHOLE #: A-10-79 soil (formerly DH10-08) Page: 1 of 1

Client: Canada Zinc Metals
Project: Akie
Drilling Method: Triple Barrel
Drilling Contractor: Geotech Drilling
Engineer: Lara Fletcher
Date Started: October 2010

Co-ordinates: 389929, 6358529
Collar Elev.: 1049
Dip/Dip direction: vertical
Total Depth: 5.2 m
Casing Depth: 3.3 m
Hole dia: HQ



Silty Sand
Light brown silty sand, some gravel, wet. Gravel subangular to angular.

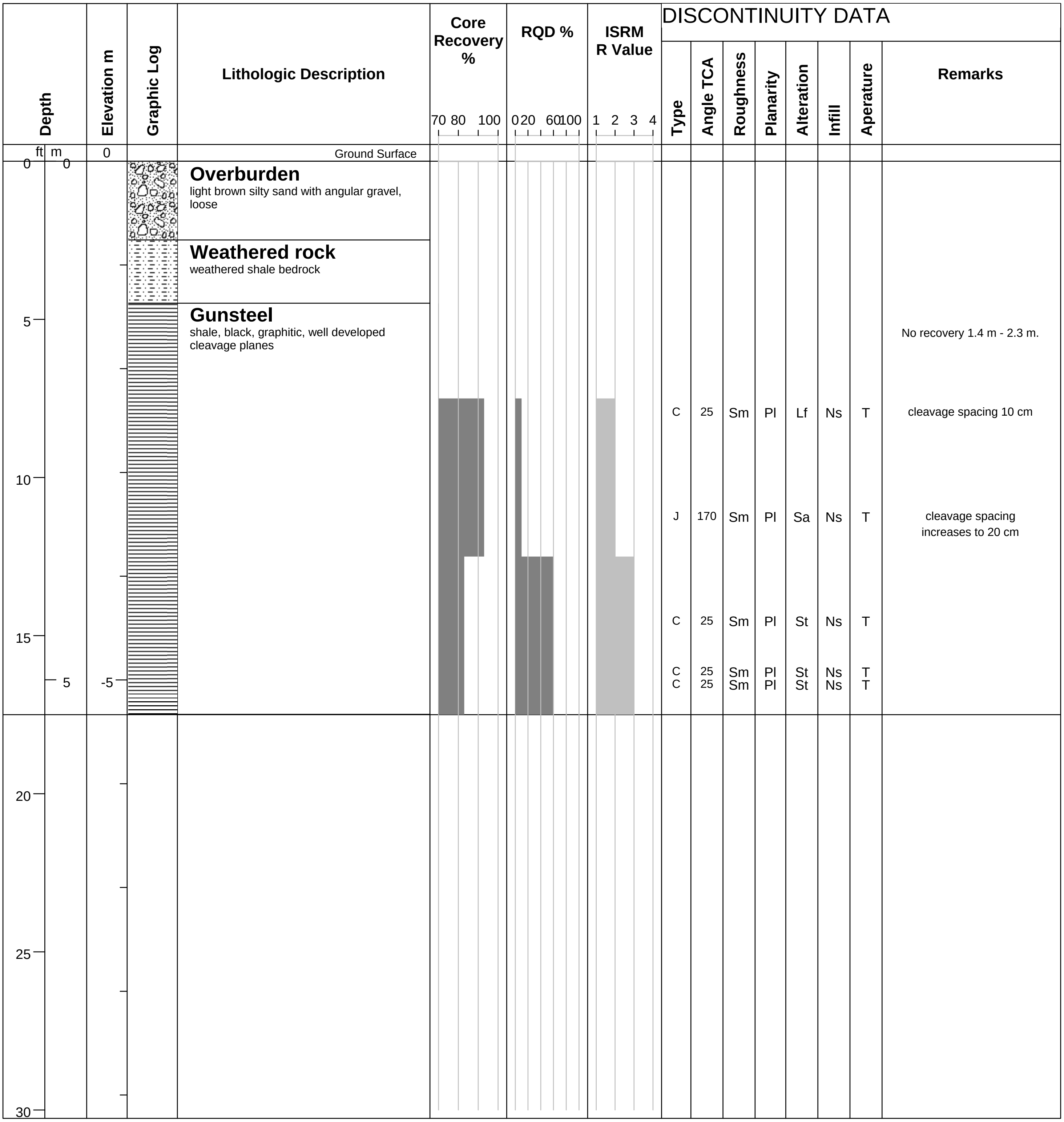
Silty Sand
Light brown silty sand with rock fragments, wet.

Gunsteel
Shale, black, graphitic, well developed cleavage planes.

Sample #	Sample Type	Sample Recovery	SPT N blows per 0.3m	Pocket Pen. t/ft*2	Moisture %	Gravel %	Sand%	Fines %	Liquid Limit %	Plastic Limit %
1	SS	89	3							
2	SS	62	4							

LOG FOR DRILLHOLE #: A-10-80 rock (formerly DH10-09) Page: 1 of 1

Client: Canada Zinc Metals	**Co-ordinates:**
Project: Akie	**Collar Elev.: 0**
Drilling Method: Triple Barrel	**Dip/Dip direction: vertical**
Drilling Contractor: Geotech Drilling	**Total Depth: 5.3 m**
Engineer: Lara Fletcher	**Casing Depth: 1.5 m**
Date Started: October, 2010	**Hole dia: HQ**



Overburden
light brown silty sand with angular gravel, loose

Weathered rock
weathered shale bedrock

Gunsteel
shale, black, graphitic, well developed cleavage planes

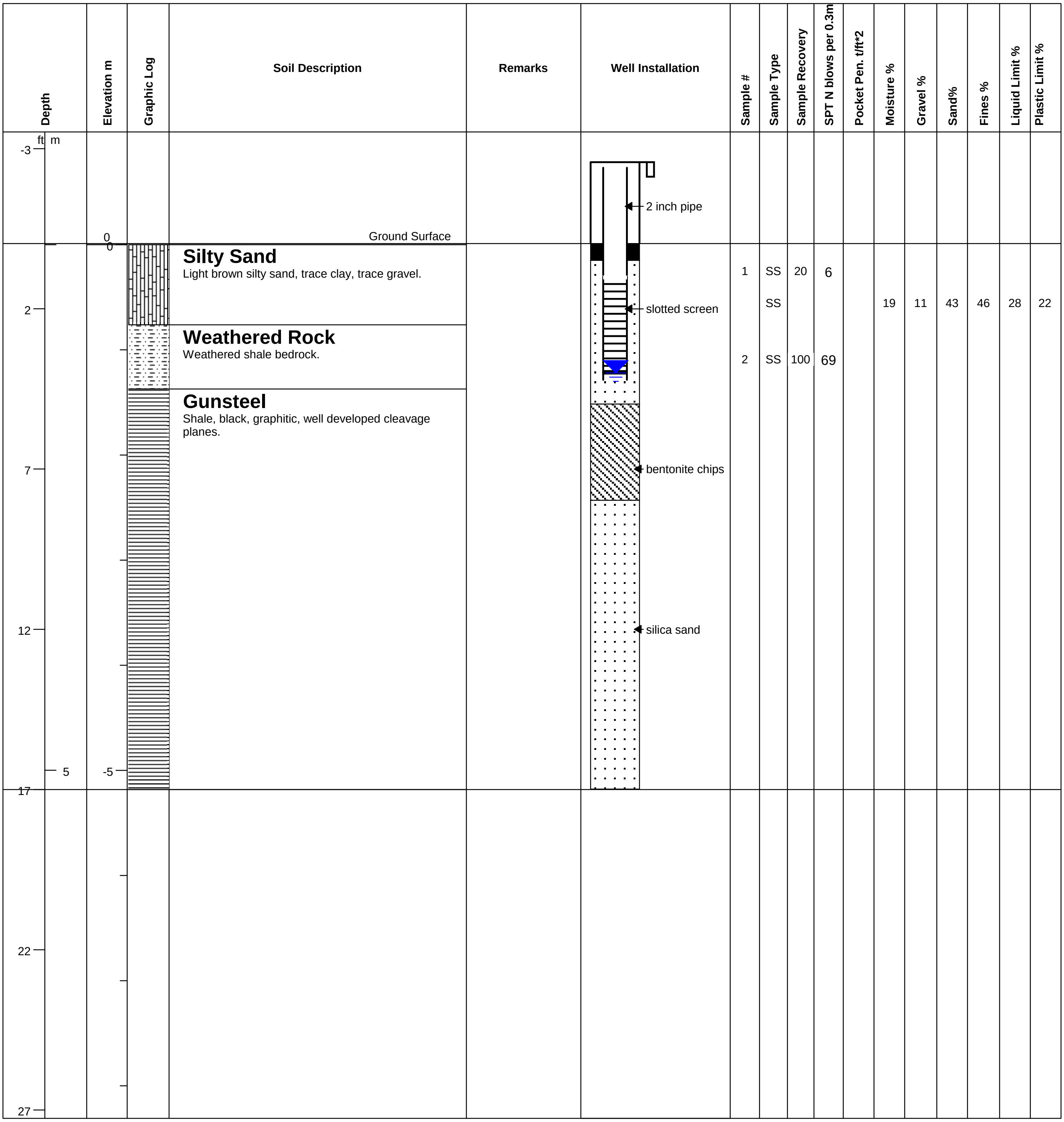
Type	Angle TCA	Roughness	Planarity	Alteration	Infill	Aperature	Remarks
							No recovery 1.4 m - 2.3 m.
C	25	Sm	Pl	Lf	Ns	T	cleavage spacing 10 cm
J	170	Sm	Pl	Sa	Ns	T	cleavage spacing increases to 20 cm
C	25	Sm	Pl	St	Ns	T	
C	25	Sm	Pl	St	Ns	T	
C	25	Sm	Pl	St	Ns	T	

Michael Cullen Geotechnical Ltd

LOG FOR DRILLHOLE #: A-10-80 soil (formerly DH10-09) Page: 1 of 1

Client: Canada Zinc Metals
Project: Akie
Drilling Method: Triple Barrel
Drilling Contractor: Geotech Drilling
Engineer: Lara Fletcher
Date Started: October 2010

Co-ordinates: 389846, 6358538
Collar Elev.: 0 1051m
Dip/Dip direction: vertical
Total Depth: 5.33
Casing Depth: 1.5 m
Hole dia: HQ



Soil Description

Ground Surface

Silty Sand
Light brown silty sand, trace clay, trace gravel.

Weathered Rock
Weathered shale bedrock.

Gunsteel
Shale, black, graphitic, well developed cleavage planes.

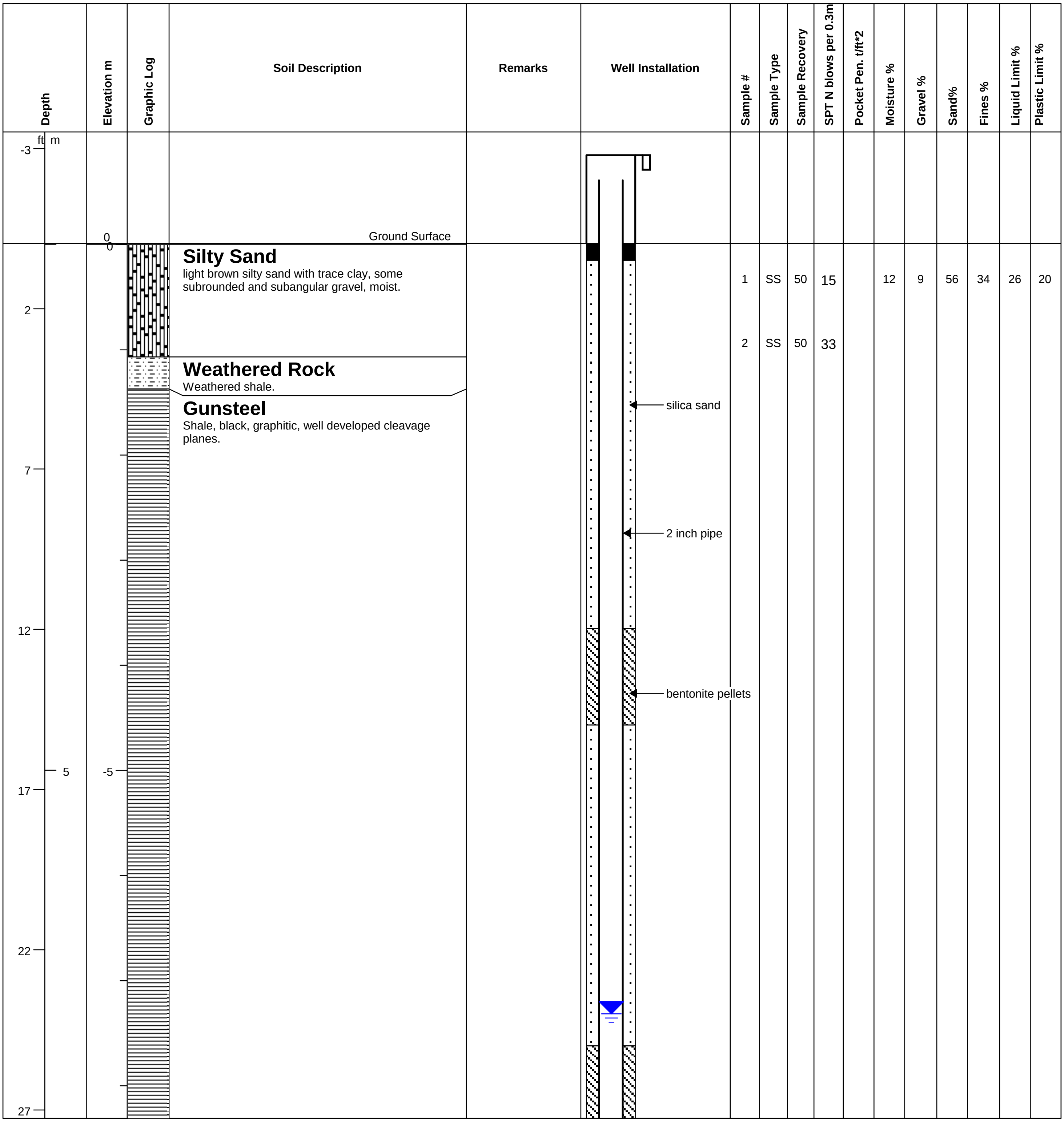
Remarks

Sample #	Sample Type	Sample Recovery	SPT N blows per 0.3m	Pocket Pen. t/ft*2	Moisture %	Gravel %	Sand%	Fines %	Liquid Limit %	Plastic Limit %
1	SS	20	6							
	SS				19	11	43	46	28	22
2	SS	100	69							

LOG FOR DRILLHOLE #: A-10-78 soil (formerly DH10-07) **Page: 1 of 5**

Client: Canada Zinc Metals
Project: Akie
Drilling Method: Triple Barrel
Drilling Contractor: Geotech Drilling
Engineer: Lara Fletcher
Date Started: October 2010

Co-ordinates: 389892, 6358591
Collar Elev.: 1057
Dip/Dip direction: vertical
Total Depth: 38.7 m
Casing Depth: 3.5 m
Hole dia: HQ



Silty Sand
light brown silty sand with trace clay, some subrounded and subangular gravel, moist.

Weathered Rock
Weathered shale.

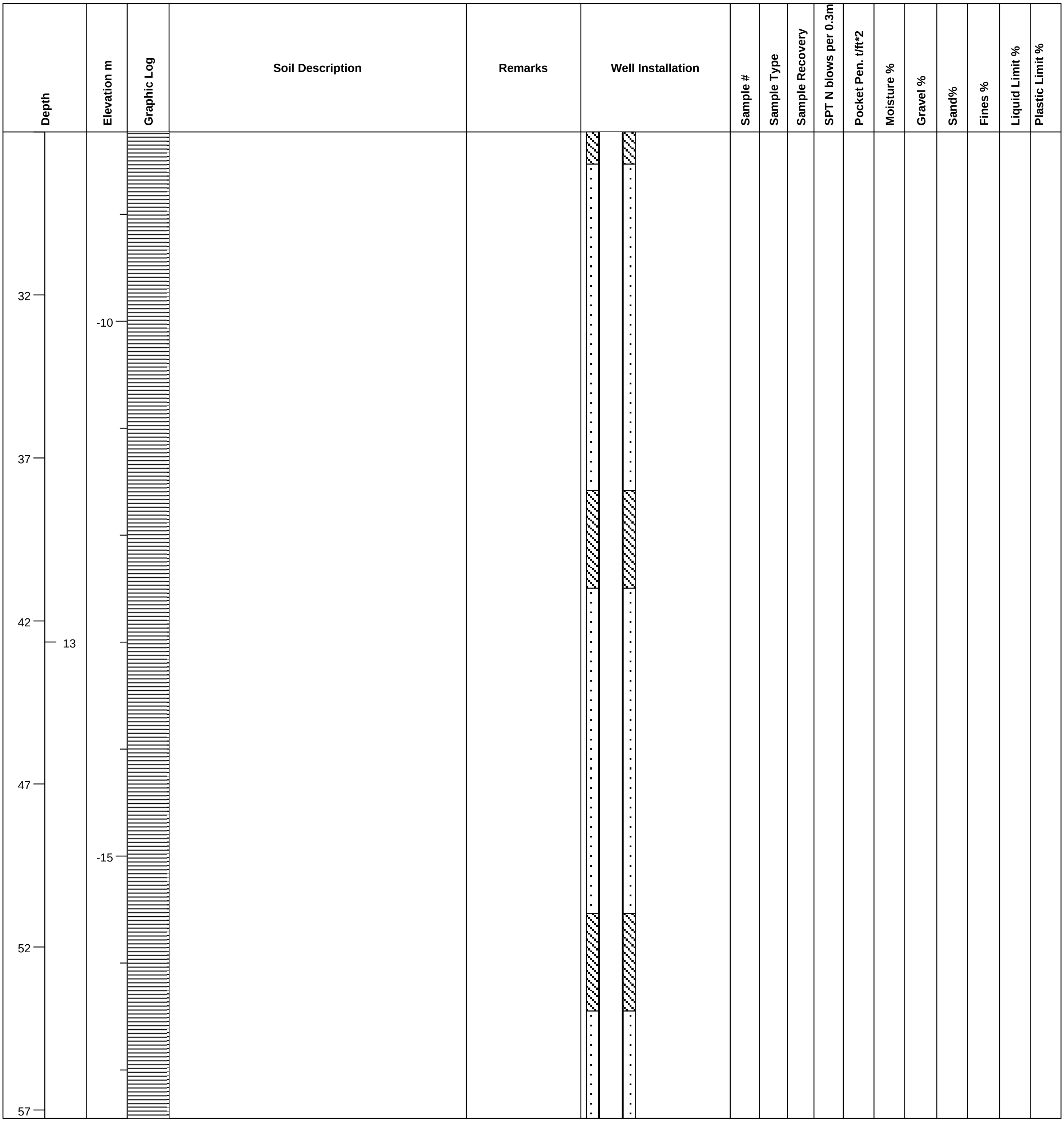
Gunsteel
Shale, black, graphitic, well developed cleavage planes.

Sample #	Sample Type	Sample Recovery	SPT N blows per 0.3m	Pocket Pen. t/ft^2	Moisture %	Gravel %	Sand%	Fines %	Liquid Limit %	Plastic Limit %
1	SS	50	15		12	9	56	34	26	20
2	SS	50	33							

LOG FOR DRILLHOLE #: A-10-78 soil (formerly DH10-07) Page: 2 of 5

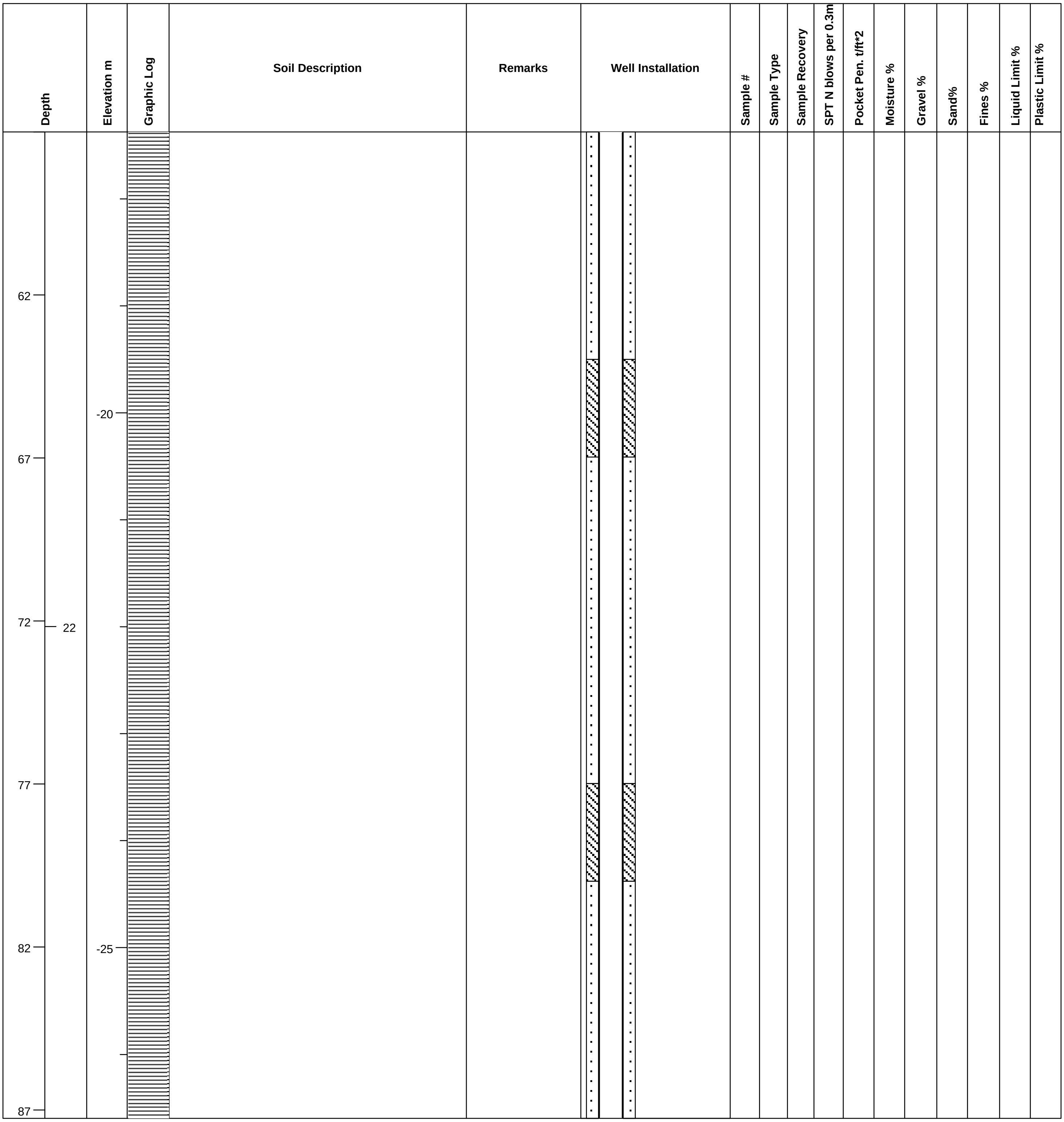
Client: Canada Zinc Metals
Project: Akie
Drilling Method: Triple Barrel
Drilling Contractor: Geotech Drilling
Engineer: Lara Fletcher
Date Started: October 2010

Co-ordinates: 389892, 6358591
Collar Elev.: 1057
Dip/Dip direction: vertical
Total Depth: 38.7 m
Casing Depth: 3.5 m
Hole dia: HQ



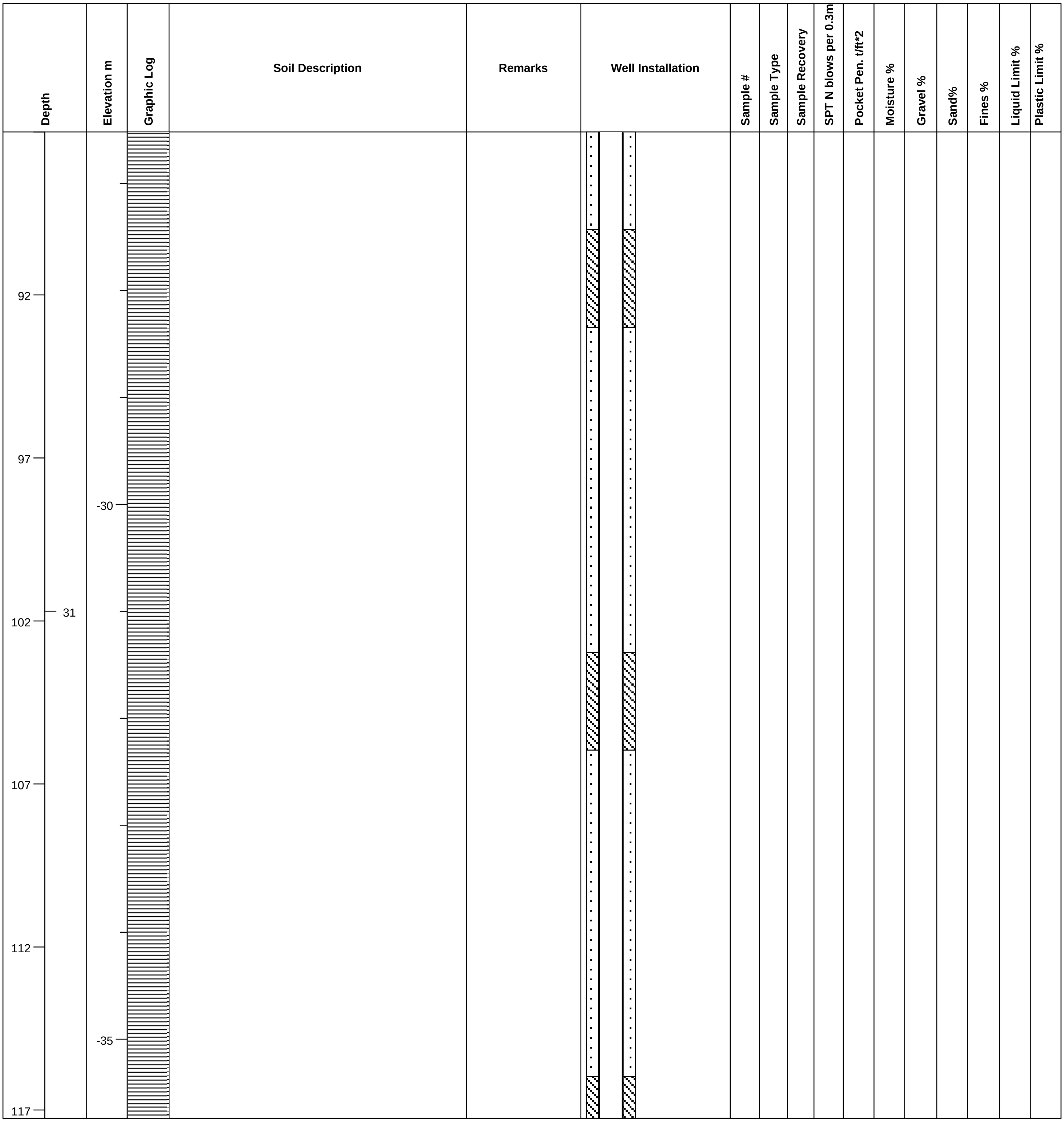
LOG FOR DRILLHOLE #: A-10-78 soil (formerly DH10-07) Page: 3 of 5

Client: Canada Zinc Metals	**Co-ordinates: 389892, 6358591**
Project: Akie	**Collar Elev.: 1057**
Drilling Method: Triple Barrel	**Dip/Dip direction: vertical**
Drilling Contractor: Geotech Drilling	**Total Depth: 38.7 m**
Engineer: Lara Fletcher	**Casing Depth: 3.5 m**
Date Started: October 2010	**Hole dia: HQ**



LOG FOR DRILLHOLE #: A-10-78 soil (formerly DH10-07)

Client: Canada Zinc Metals	**Co-ordinates: 389892, 6358591**
Project: Akie	**Collar Elev.: 1057**
Drilling Method: Triple Barrel	**Dip/Dip direction: vertical**
Drilling Contractor: Geotech Drilling	**Total Depth: 38.7 m**
Engineer: Lara Fletcher	**Casing Depth: 3.5 m**
Date Started: October 2010	**Hole dia: HQ**



LOG FOR DRILLHOLE #: A-10-78 soil (formerly DH10-07) **Page: 5 of 5**

Client: Canada Zinc Metals	**Co-ordinates: 389892, 6358591**
Project: Akie	**Collar Elev.: 1057**
Drilling Method: Triple Barrel	**Dip/Dip direction: vertical**
Drilling Contractor: Geotech Drilling	**Total Depth: 38.7 m**
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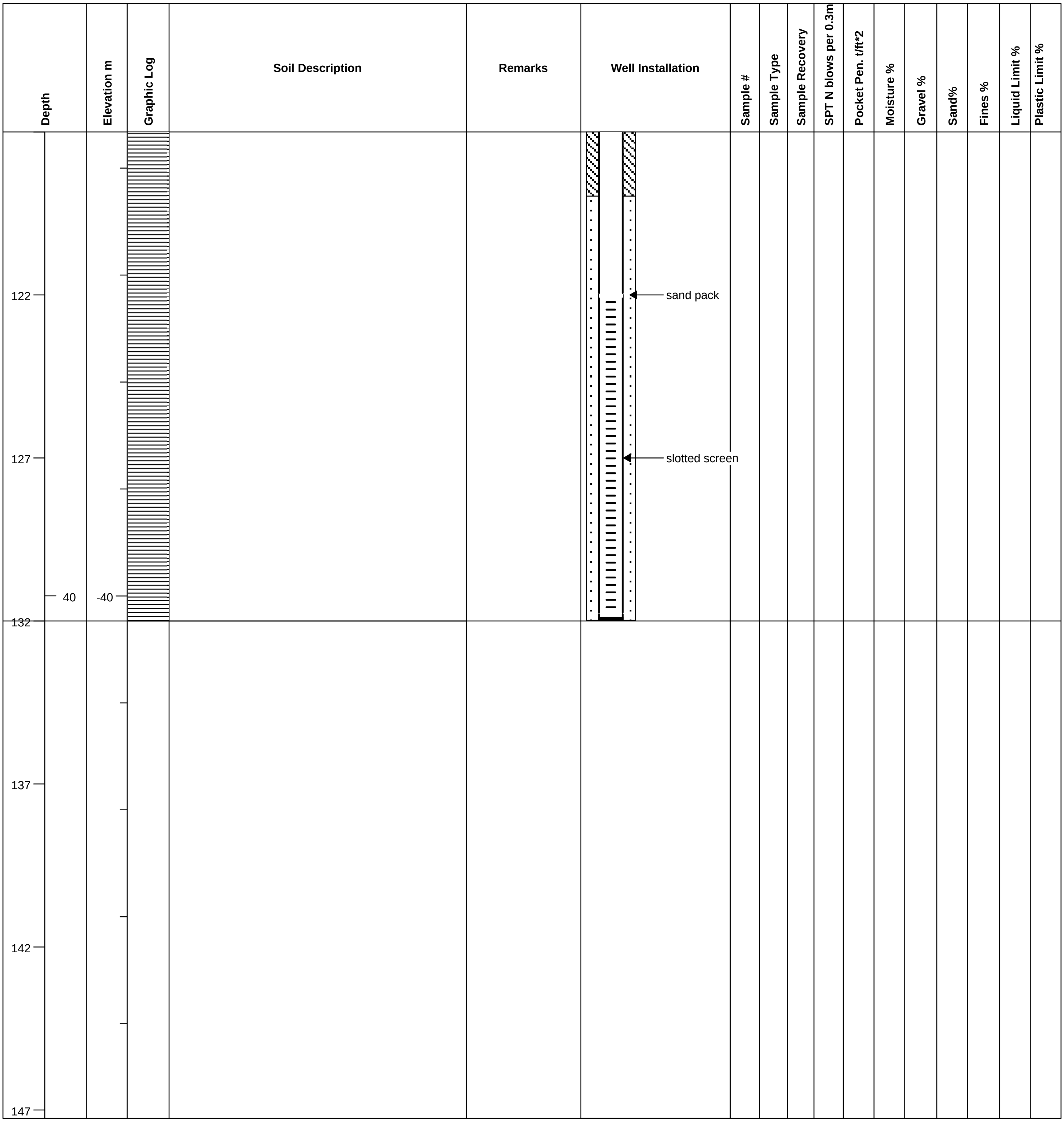
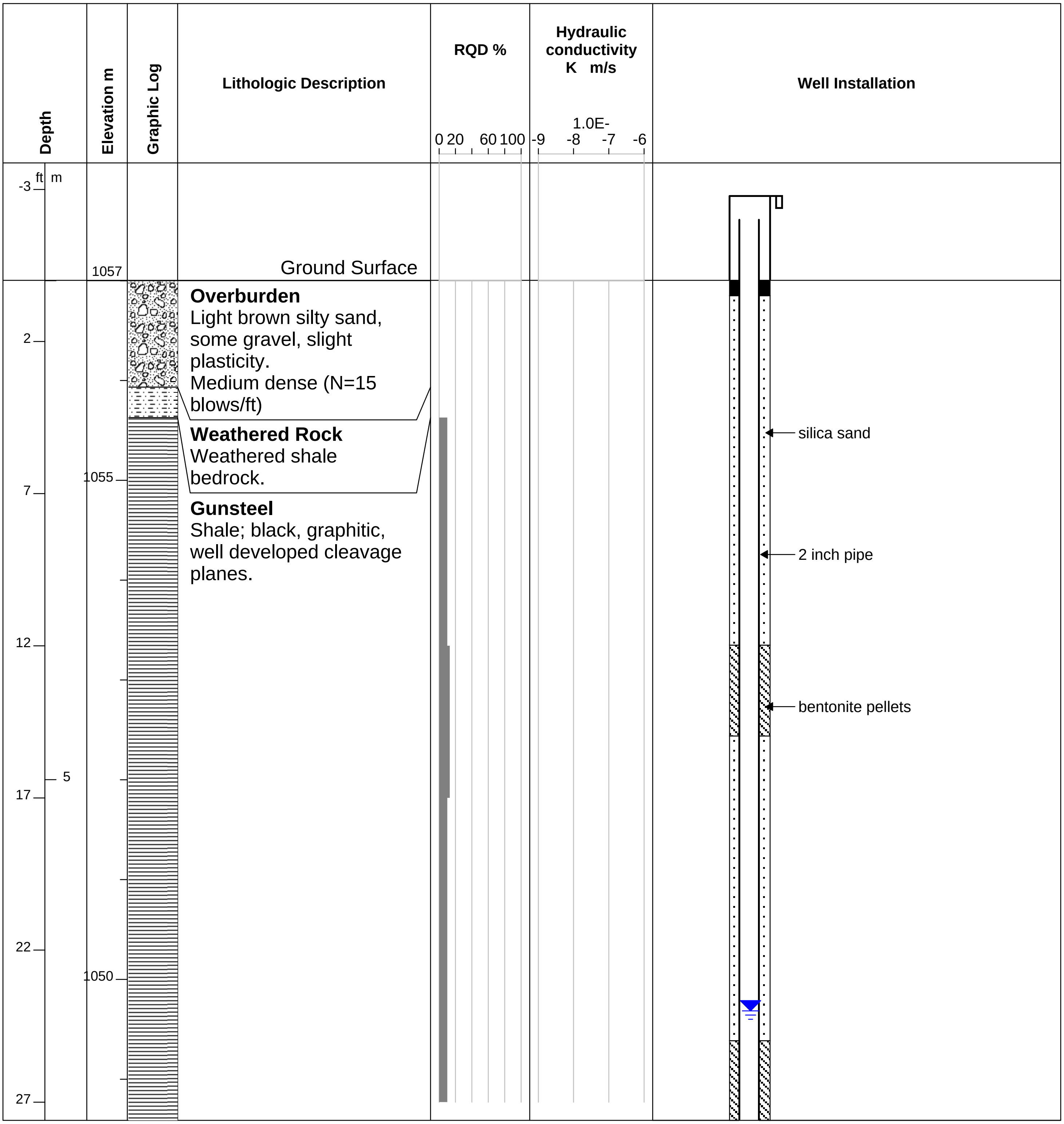


LOG FOR DRILLHOLE #: A-10-78 well (formerly DH10-7) Page: 1 of 5

Client: Canada Zinc Metals
Project: Akie
Drilling Method: Triple Barrel
Drilling Contractor: Geotech Drilling
Engineer: Lara Fletcher
Date Started: October 2010

Co-ordinates: 389892, 6358591
Collar Elev.: 1057
Dip/Dip direction: vertical
Total Depth: 38.7 m
Casing Depth: 1.1 m
Hole dia: HQ



Overburden
Light brown silty sand, some gravel, slight plasticity.
Medium dense (N=15 blows/ft)

Weathered Rock
Weathered shale bedrock.

Gunsteel
Shale; black, graphitic, well developed cleavage planes.

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Drilling Method: Triple Barrel
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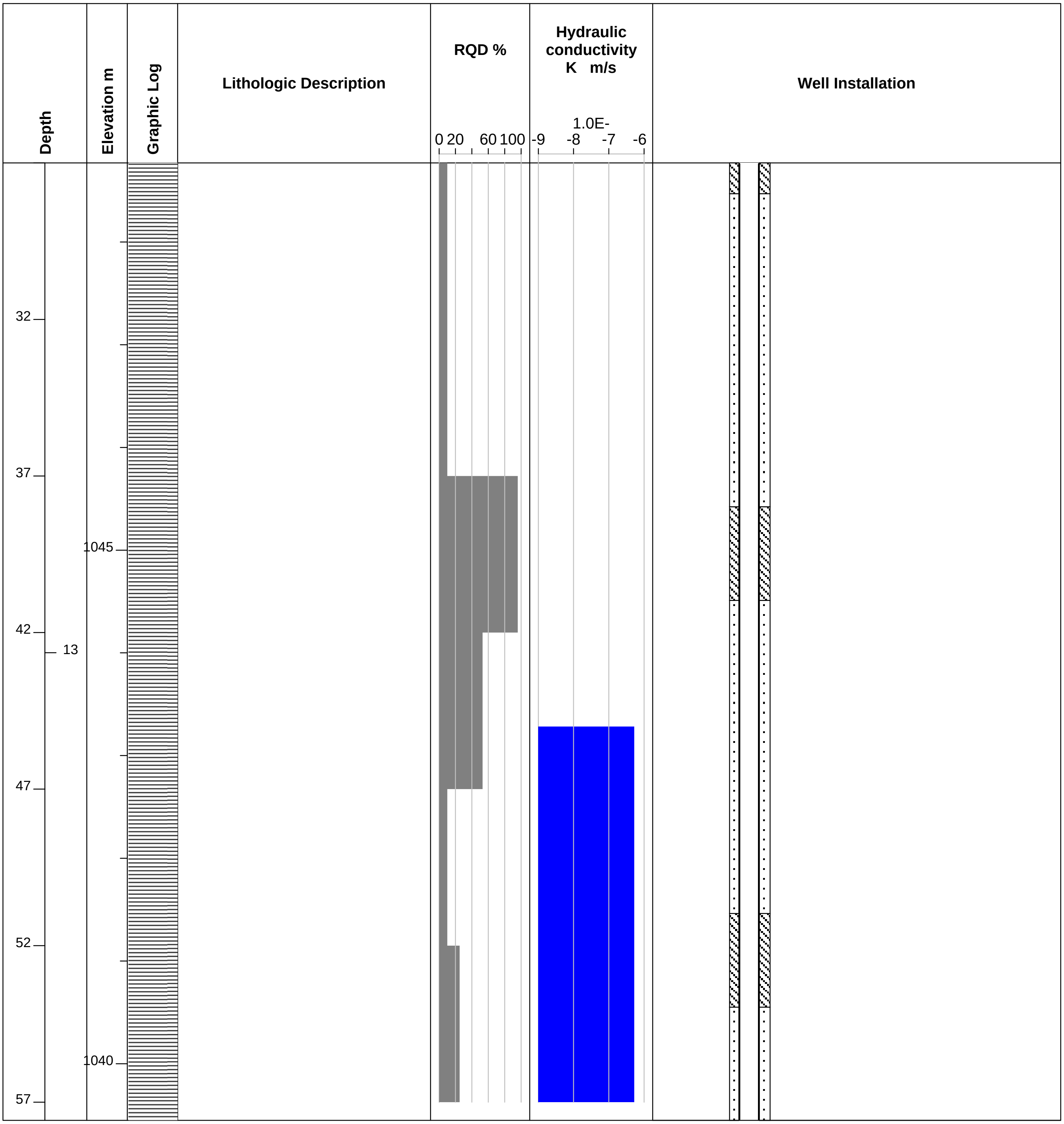
Engineer: Lara Fletcher
Date Started: October 2010

Co-ordinates: 389892, 6358591
Collar Elev.: 1057
Dip/Dip direction: vertical
Total Depth: 38.7 m
Casing Depth: 1.1 m
Hole dia: HQ



LOG FOR DRILLHOLE #: A-10-78 well (formerly DH10-7)

Client: Canada Zinc Metals	**Co-ordinates: 389892, 6358591**
Project: Akie	**Collar Elev.: 1057**
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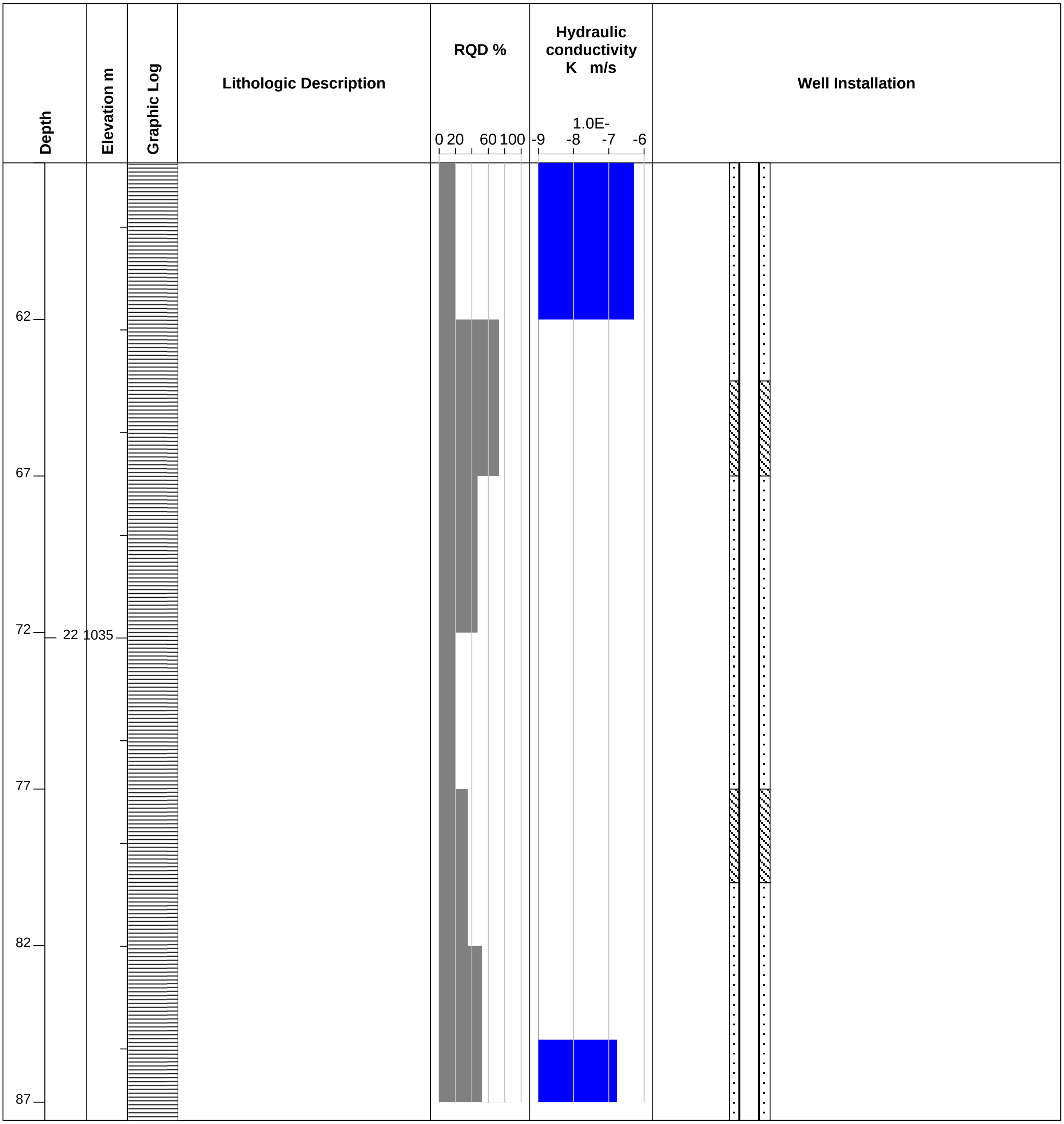

LOG FOR DRILLHOLE #: A-10-78 well (formerly DH10-7)

Client: Canada Zinc Metals
Project: Akie
Drilling Method: Triple Barrel
Drilling Contractor: Geotech Drilling
Engineer: Lara Fletcher
Date Started: October 2010

Co-ordinates: 389892, 6358591
Collar Elev.: 1057
Dip/Dip direction: vertical
Total Depth: 38.7 m
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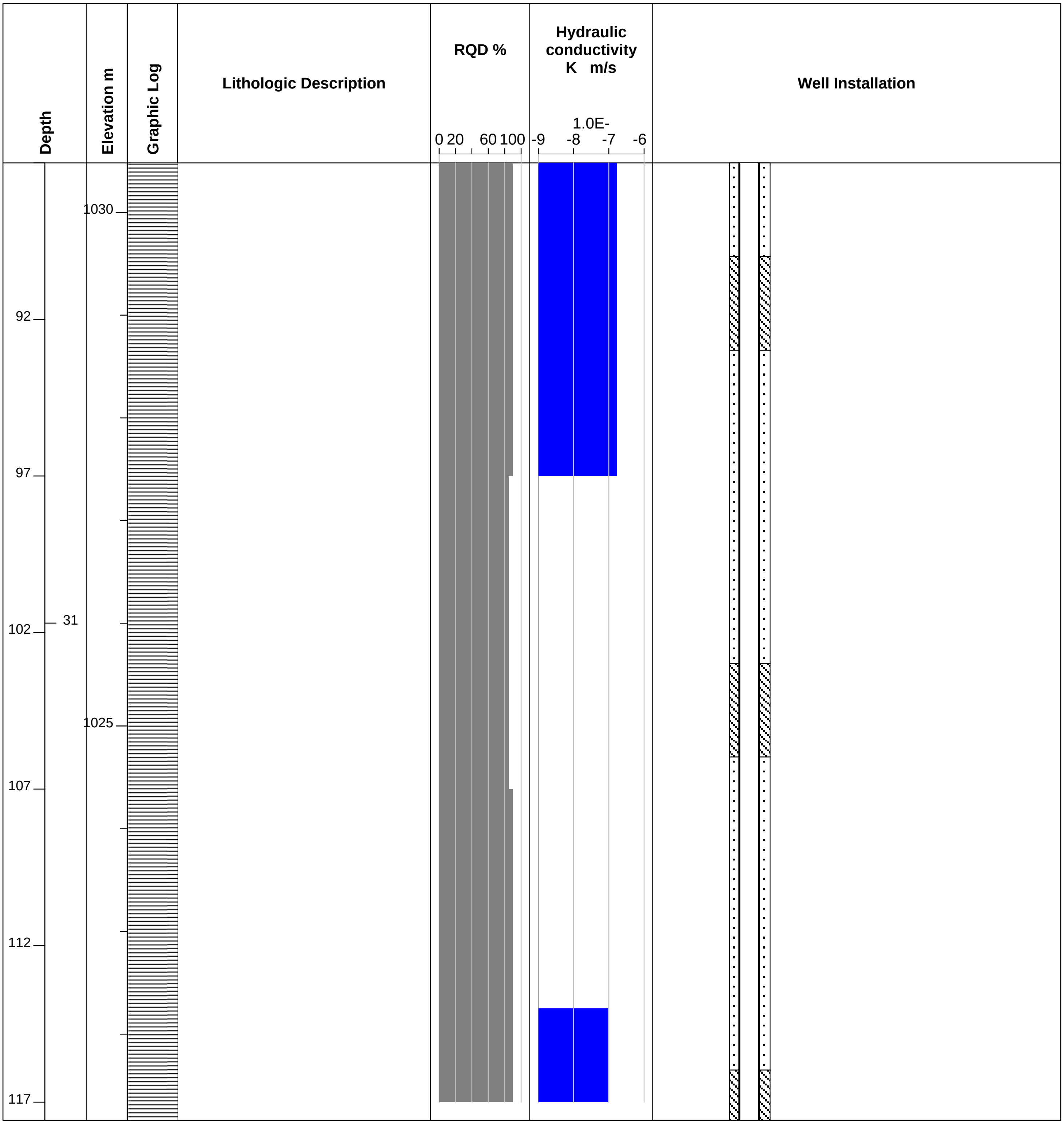

LOG FOR DRILLHOLE #: A-10-78 well (formerly DH10-7) Page: 5 of 5

Client: Canada Zinc Metals
Project: Akie
Drilling Method: Triple Barrel
Drilling Contractor: Geotech Drilling
Engineer: Lara Fletcher
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Co-ordinates: 389892, 6358591
Collar Elev.: 1057
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