Ministry of Energy, Mines & Petroleum Resources
Mining & Minerals Division
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Diamond Drilling

TOTAL COST: 179,886.24

AUTHOR(S): Michael Seabrook

SIGNATURE(S):

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): MX-5-526/ Spet 21,2012

YEAR OF WORK: 2012

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5430506/ Feb 06,2013

PROPERTY NAME: Eddy

CLAIM NAME(S) (on which the work was done): 840894, 512215, 512217

COMMODITIES SOUGHT: Gold, Lead, Zinc, Silver, Copper

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:

MINING DIVISION: Fort Steele

NTS/BCGS: 08F, 082G/ 08F40,50,60, 08G31,41,51

LATITUDE: 115 o 59 ' 07 " **LONGITUDE:** 49 o 28 ' 38 " **(at centre of work)**

OWNER(S):
1) PJX Resources Inc.
2) SG Spirit Gold Inc.

MAILING ADDRESS:
5600-100 King Street West
Toronto, Ontario M5X 1C9

OPERATOR(S) [who paid for the work]:
1) PJX Resources Inc.
2)

MAILING ADDRESS:
5600-100 King Street East
Toronto, Ontario M5X 1C9

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Siltstone, Argillite, Gabbro, Proterozoic, Aldridge Formation, Purcell Supergroup, Thrust Fault, Extension, Argillic, Silicification
Polymetallic Vein, Stratabound, Bedded, Galena, Chalcopyrite, Sphalerite.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 29657, 14061, 29716, 24458, 25135, 26625
28249, 30946, 32924

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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	1,093m; 4 holes, NQ	840894, 512215, 512217	151,697.81
Non-core	18.3m casing	840894, 512215, 512217	
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	151,697.81

Diamond Drilling
Eddy Property
Southeastern British Columbia

BC Geological Survey
Assessment Report
33860

Mineral Tenure:
833433 *et al.*

NTS map sheet 082F, 082G
1:20,000 trim map sheets 082F40, 082F50, 082F60, 082G31, 082G41, 082G51
Centered at UTM NAD83, 573500E, 5481000N
115º59”07”W, 49º28’38”N

Fort Steele Mining Division

By

Michael Seabrook, BSc.
6028 Lakeview Dr. SW, Calgary, AB, T3E 5S8

Claim owner and operator:
PJX Resources Inc.
5600 - 100 King Street West
Toronto, Ontario
M5X 1C9

June 15, 2013

Diamond Drilling
Eddy Property, Southeastern British Columbia
Mineral Tenure: 833433 *et al.*

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Introduction

The Eddy property lies between Perry Creek and the Moyie River, two of the most prolific placer gold streams in southeast British Columbia. The following report describes the results of diamond drilling conducted on the Eddy property by PJX Resources Inc. in 2012.

Location, Access, and Physiography.

Generations of logging activity have provided access to the property from the Lumberton Rd. and Palmer Bar FSR. The remains of the town of Lumberton are accessed my turning west onto Lumberton Rd. from Highway 3, 13km south of Cranbrook. The Lumberton Rd winds west for 8km and forks underneath the transmission line where the right fork is the Palmer Bar FSR. 8km north on the Palmer Bar FSR provides access to the Zeus area while a northwest branch at 2km follows Negro Creek to its headwaters, and the drilling in that area.

Most of the property has moderately sloping hills of the Moyie Range of the Purcell Mountains. Creeks cut through the hills to produce cliffs and canyons along several waterways. At the drainage divide between Perry Creek and The Moyie River, steeper mountainous terrain is present with Old Baldy Mountain and Mt. Bigattini dominating the horizon. Old Baldy Mountain is the highest point on the property at 2380m while the lowest point is north of the Kiakho Lakes at 1030m.

Exploration History

In 2012 PJX Resources Inc. published the results of a VTEM airborne survey (Klewchuk, 2012). The survey indicated strong anomalies on the Eddy Property, particularly in the B-Field Z component and the calculated time constraint (TAU) from the electromagnetic data. The two aforementioned processed data plots produced several anomalies in the Zeus area, and a single anomaly at the headwaters of Negro Creek.

A good deal of exploration has taken place on former properties such as the Bar, St. Joe, Zeus, Gar, Itchy and others which are now encompassed in the larger Eddy property. The following exploration history includes exploration activity within the immediate area of the anomalies.

Negro Creek Area

The drill hole located near the head waters of Negro Cr. described in this report lies between two areas prospected in 1996 (Kennedy, 1996). In both areas, referred to as Section Negro Creek South and Section Negro Creek North, hematite breccia, associated with the Old Baldy Fault, was observed and sampling yielded anomalous to several grams per ton gold values (Kennedy, op. cit.). In the same year two holes were drilled to test down dip extensions of surface occurrences of gold mineralization (Klewchuk, 1997). The holes were collared on the same site and intersected a hematite breccia believed to be a major fault zone. The best gold value intersected in the drilling was 44ppb. Prospecting in 2007 on the former DB claim indicated northeast shearing trends into the drill area of Negro Creek. Outcrops were described as having carbonate, quartz and pyrite flooding associated with a phyllitic alteration zone (Holm, 2008).

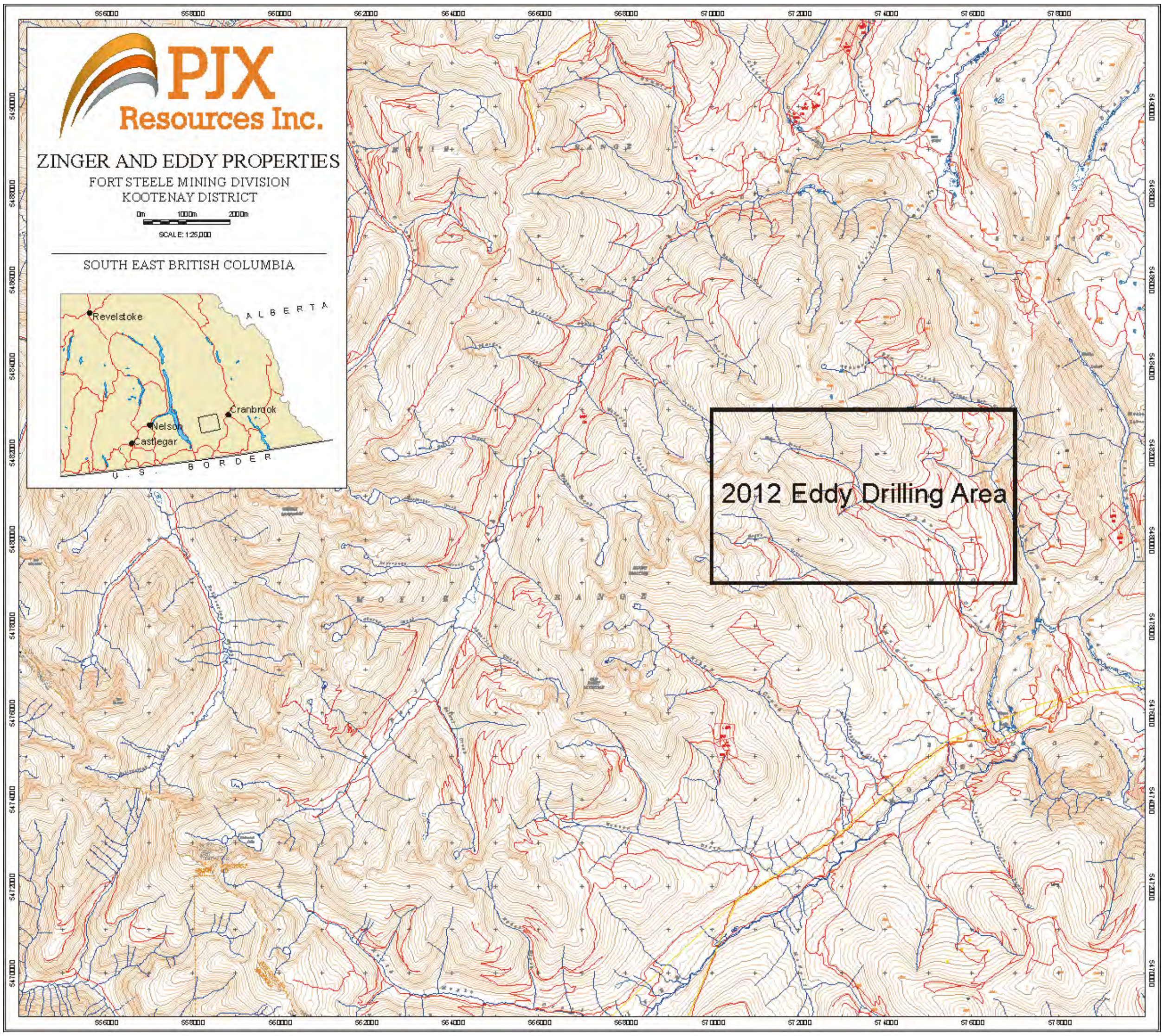

Figure 1: Location map of the Zeus and Negro Creek area, Eddy property. (see foldout)

Zeus Area

Prior to this Chapleau Resources Inc. conducted geological and geochemical activity in the Bar area (Donald, 1984); there is no record of previous work although Donald mentions discovering exploration pits and trenches on the property indicating work prior to 1984. In the 1984 program trenching uncovered a quartz pyrite vein at the farthest south extent of the explored area, less than 500m north of the 2012 drill area. Sampling from the quartz material assayed 10800ppb gold and several other samples from the site hosted anomalous gold concentrations (Donald, *op. cit.*).

A few survey lines of VLF-EM indicated weak northeast trending anomalies that were thought to represent the trend of the Palmer Bar Fault zone believed to cross through the Zeus 9 claim (Klewchuk, 2001). In 2006 a soil survey was conducted and gold values tended to correspond with the VLF-EM anomalies from 2001 (Klewchuk *et. al.*, 2006). The soil sampling was accompanied by geological mapping which identified a series of northeast trending faults and a similarly trending 'M' style fold zone (*op. cit.*). In 2007 and 2008 diamond drilling was conducted on a gold mineralized, quartz vein-bearing, shear zone (Klewchuk and Anderson, 2009). A 2m interval of the quartz vein-bearing shear zone contained the highest gold concentrations, in the drilling, averaging 1,827ppb (*op. cit.*).

Claims

The Eddy property is part of a large block of contiguous claims in the Purcell Mountains operated by PJX Resources Inc. The block is split into two parts, divided roughly by Perry Creek, the west half being the Zinger property and the east is the Eddy property. Sixty four claims make up the property covering an area of 15,331.42ha. A complete list of claims is found in Table 1 and plotted on the map in Figure 2.

Tenure #	Tenure Name	Owner	Owner #	Type	Issue Date	Good To	Status	Area (ha)
833433		PJX	256589 (100%)	Mineral	2010/sep/13	2013/jun/25	GOOD	440.9692
833435	JK2	PJX	256589 (100%)	Mineral	2010/sep/13	2013/jun/27	GOOD	419.9727
833436	JK3	PJX	256589 (100%)	Mineral	2010/sep/13	2013/jun/25	GOOD	378.136
833437	JK4	PJX	256589 (100%)	Mineral	2010/sep/13	2013/jun/25	GOOD	63.0166
840894		PJX	256589 (100%)	Mineral	2010/dec/15	2013/jun/25	GOOD	293.9385
840895		PJX	256589 (100%)	Mineral	2010/dec/15	2013/jun/25	GOOD	357.0539
840896		PJX	256589 (100%)	Mineral	2010/dec/15	2013/jun/25	GOOD	42.0116
896134		PJX	256589 (100%)	Mineral	2011/sep/06	2013/sep/06	GOOD	41.9955
896135		PJX	256589 (100%)	Mineral	2011/sep/06	2013/sep/06	GOOD	83.9941
936179		PJX	256589 (100%)	Mineral	2011/dec/05	2012/dec/05	GOOD	294.0496
936185		PJX	256589 (100%)	Mineral	2011/dec/05	2012/dec/05	GOOD	315.2152
936189		PJX	256589 (100%)	Mineral	2011/dec/05	2012/dec/05	GOOD	504.2038
936192		PJX	256589 (100%)	Mineral	2011/dec/05	2012/dec/05	GOOD	210.0968
936197		PJX	256589 (100%)	Mineral	2011/dec/05	2012/dec/05	GOOD	21.0041
936199		PJX	256589 (100%)	Mineral	2011/dec/05	2012/dec/05	GOOD	42.0245
936200		PJX	256589 (100%)	Mineral	2011/dec/05	2012/dec/05	GOOD	294.2316
936202		PJX	256589 (100%)	Mineral	2011/dec/05	2012/dec/05	GOOD	210.1702
936204		PJX	256589 (100%)	Mineral	2011/dec/05	2012/dec/05	GOOD	315.3475
936207		PJX	256589 (100%)	Mineral	2011/dec/05	2012/dec/05	GOOD	84.0973
950270		PJX	256589 (100%)	Mineral	2012/feb/17	2013/feb/17	GOOD	168.1827
950271		PJX	256589 (100%)	Mineral	2012/feb/17	2013/feb/17	GOOD	21.0181
950273		PJX	256589 (100%)	Mineral	2012/feb/17	2013/feb/17	GOOD	42.0484
962389		PJX	256589 (100%)	Mineral	2012/mar/15	2013/mar/15	GOOD	314.8562
981612		PJX	256589 (100%)	Mineral	2012/apr/21	2013/apr/21	GOOD	104.9976
503812	BigEd	SG	145300 (100%)	Mineral	2005/jan/15	2013/jun/25	GOOD	105.023
506033		SG	145300 (100%)	Mineral	2005/feb/06	2013/jun/25	GOOD	83.995
512215		SG	145300 (100%)	Mineral	2005/may/08	2013/jun/25	GOOD	461.754
512216		SG	145300 (100%)	Mineral	2005/may/08	2013/jun/25	GOOD	209.955
512217		SG	145300 (100%)	Mineral	2005/may/08	2013/jun/25	GOOD	230.913
512219		SG	145300 (100%)	Mineral	2005/may/08	2013/jun/25	GOOD	125.85
512220		SG	145300 (100%)	Mineral	2005/may/08	2013/jun/25	GOOD	377.657
512221		SG	145300 (100%)	Mineral	2005/may/08	2013/jun/25	GOOD	377.672
512222		SG	145300 (100%)	Mineral	2005/may/08	2013/jun/25	GOOD	461.838
512223		SG	145300 (100%)	Mineral	2005/may/08	2013/jun/25	GOOD	482.573
512224		SG	145300 (100%)	Mineral	2005/may/08	2013/jun/25	GOOD	503.747
512225		SG	145300 (100%)	Mineral	2005/may/08	2013/jun/25	GOOD	629.445
512226		SG	145300 (100%)	Mineral	2005/may/08	2013/jun/25	GOOD	524.793
515841		SG	145300 (100%)	Mineral	2005/jul/02	2013/jun/25	GOOD	251.825
515842		SG	145300 (100%)	Mineral	2005/jul/02	2013/jun/25	GOOD	167.838
515843		SG	145300 (100%)	Mineral	2005/jul/02	2013/jun/25	GOOD	482.549
515844		SG	145300 (100%)	Mineral	2005/jul/02	2013/jun/25	GOOD	335.837
516291		SG	145300 (100%)	Mineral	2005/jul/07	2013/jun/25	GOOD	189.185
516293		SG	145300 (100%)	Mineral	2005/jul/07	2013/jun/25	GOOD	273.202
516294		SG	145300 (100%)	Mineral	2005/jul/07	2013/jun/25	GOOD	210.101
516296		SG	145300 (100%)	Mineral	2005/jul/07	2013/jun/25	GOOD	210.159

516297		SG	145300 (100%)	Mineral	2005/jul/07	2013/jun/25	GOOD	399.503
516299		SG	145300 (100%)	Mineral	2005/jul/07	2013/jun/25	GOOD	546.637
516300		SG	145300 (100%)	Mineral	2005/jul/07	2013/jun/25	GOOD	168.234
516301		SG	145300 (100%)	Mineral	2005/jul/07	2013/jun/25	GOOD	210.193
516302		SG	145300 (100%)	Mineral	2005/jul/07	2013/jun/25	GOOD	42.048
516303		SG	145300 (100%)	Mineral	2005/jul/07	2013/jun/25	GOOD	63.043
516305		SG	145300 (100%)	Mineral	2005/jul/07	2013/jun/25	GOOD	483.556
516306		SG	145300 (100%)	Mineral	2005/jul/07	2013/jun/25	GOOD	42.03
516308		SG	145300 (100%)	Mineral	2005/jul/07	2013/jun/25	GOOD	21.01
516310		SG	145300 (100%)	Mineral	2005/jul/07	2013/jun/25	GOOD	63.039
516312		SG	145300 (100%)	Mineral	2005/jul/07	2013/jun/25	GOOD	126.05
516313		SG	145300 (100%)	Mineral	2005/jul/07	2013/jun/25	GOOD	63.056
516315		SG	145300 (100%)	Mineral	2005/jul/07	2013/jun/25	GOOD	63.062
516317		SG	145300 (100%)	Mineral	2005/jul/07	2013/jun/25	GOOD	483.153
516318		SG	145300 (100%)	Mineral	2005/jul/07	2013/jun/25	GOOD	42.054
516319		SG	145300 (100%)	Mineral	2005/jul/07	2013/jun/25	GOOD	273.217
528683	N. WEAVER	SG	145300 (100%)	Mineral	2006/feb/20	2013/jun/25	GOOD	147.068
562994	WEAVERNW	SG	145300 (100%)	Mineral	2007/jul/14	2013/jun/25	GOOD	168.1247
569234	RUB2	SG	145300 (100%)	Mineral	2007/nov/02	2013/jun/25	GOOD	167.7977

Table 1: Eddy property mineral tenures with status as of December 2012.

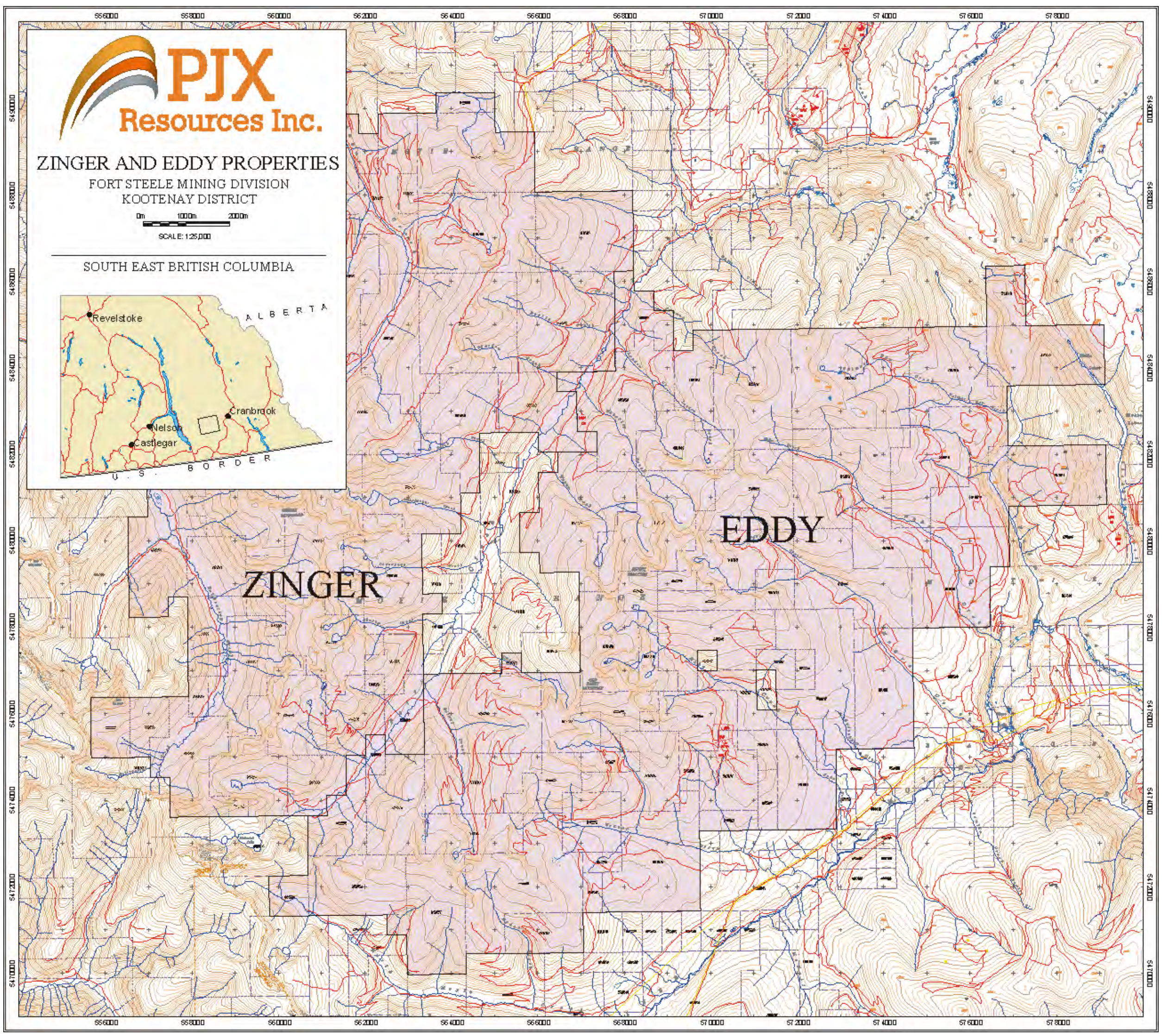

Figure 2: Claim map of the Zinger and Eddy properties. (see foldout)

Regional Geology

The Eddy property lies within the Purcell anticlinorium, a generally north plunging structure that is cored by Paleoproterozoic sedimentary and minor volcanic rocks of the Purcell Supergroup and flanked by unconformably overlying Late Proterozoic clastic and carbonate rocks of the Windermere Supergroup (Figure 3). These are generally overlain by either Cambrian or Devonian rocks, part of the North American "miogeoclinal" sequence.

The Purcell Supergroup, and correlative Belt Supergroup in the United States, comprises a syn-rift succession, the Aldridge Formation, and an overlying, generally shallow-water post-rift or rift fill sequence that includes the Creston and Kitchener Formations and younger Purcell rocks (Höy, 1993).

The exposed part of the Aldridge Formation comprises more than 3000 meters of mainly turbidite deposits and numerous, laterally extensive gabbroic sills referred to as the Moyie intrusions. The gabbroic sills are laterally extensive, typically up to several hundred meters thick and can be traced over hundreds of square kilometers. Locally, particularly in areas of growth faulting, they cut across stratigraphy as dykes. Some of the Moyie sills have contact features that suggest intrusion into wet and partially consolidated sediments (Höy, 1993).

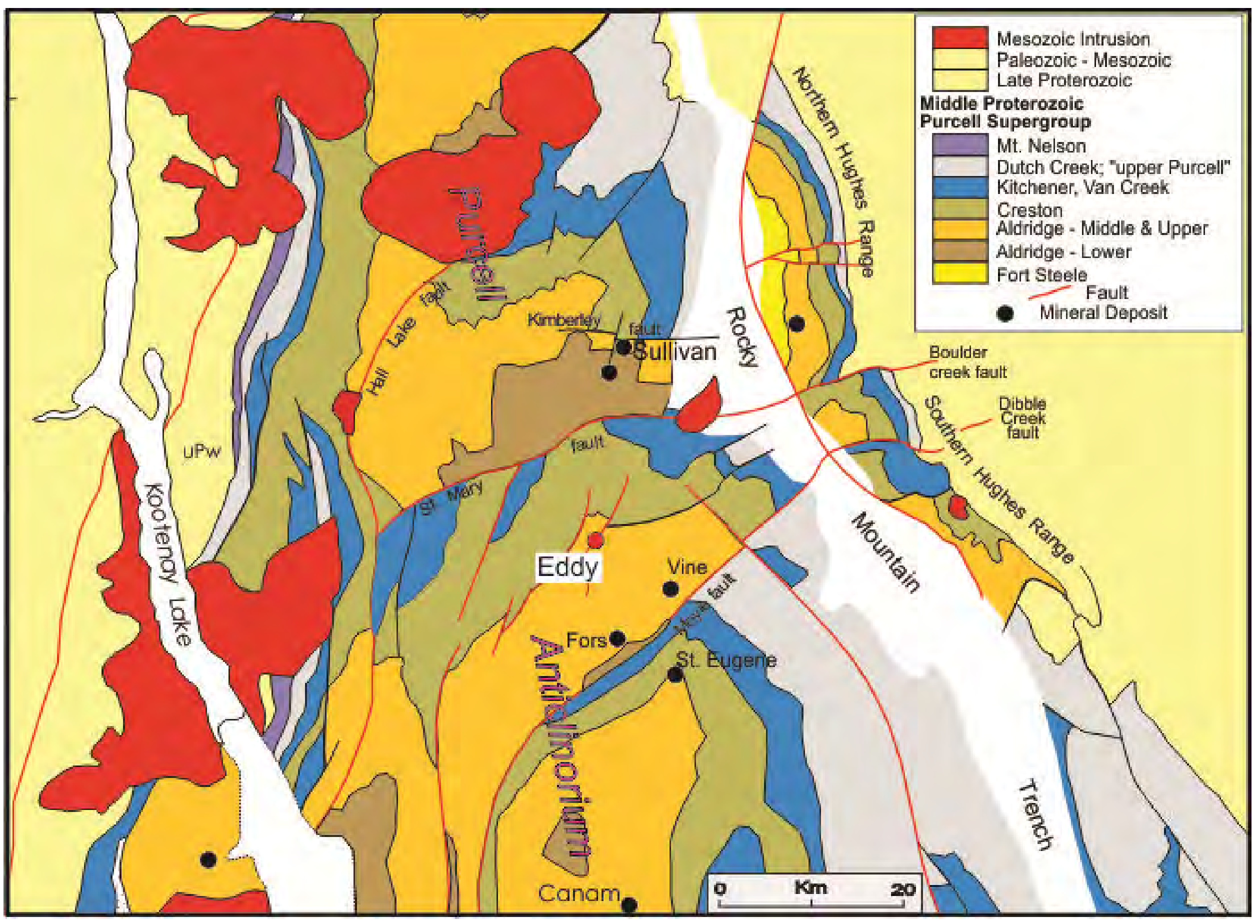

Figure 3: Geological setting of the Eddy property in the central Purcell Mountains, southeastern British Columbia; modified from Höy et al. (2000).

The Purcell Supergroup succession is allochthonous, part of the Foreland Thrust and Fold Belt, the most eastern physiographic belt in the Canadian Cordillera (Monger *et al*., 1982). Structures within the Purcell anticlinorium include east verging thrust faults, northeast trending, right lateral reverse faults, and open to tight folds (Höy, 1993). A complex array of normal faults that trend dominantly northward parallel to the Rocky Mountain trench cut the earlier thrust faults and associated folding.

The northeast-trending structures, including the St. Mary and Moyie faults, are within or parallel to a broad structural zone that cuts the Purcell anticlinorium, crosses the Rocky Mountain trench and extends northeastward across the Foreland thrust belt (Kanasewich, 1968). This zone is marked by a conspicuous change in the structural grain, from northerly north of the zone to northwesterly south of the zone (Figure 3), and by pronounced and fundamental changes in the thickness and facies of sedimentary rocks that range in age from Middle Proterozoic to early Paleozoic (Höy, 1993; Höy *et al*., 2000).

The zone, referred to as the Kanasewich rift, includes in the central part of the Purcell Mountains, the Eddy property in an area referred to as the Cranbrook Gold Belt. The Kanasewich rift zone (Kanasewich, 1968) is characterized by a variety of mineral deposits and occurrences of varying ages and tenor. These include the Sullivan and Kootenay King sedex deposits, the St. Eugene and Vine lead-zinc-silver veins, and the placer gold deposits of the Wildhorse, Moyie and Sawmill Creek drainages. Farther west, lead-zinc replacement deposits occur in Cambrian carbonates in the southern Kootenay Arc, and gold-copper vein deposits characterize the Rossland camp in Quesnel terrane.

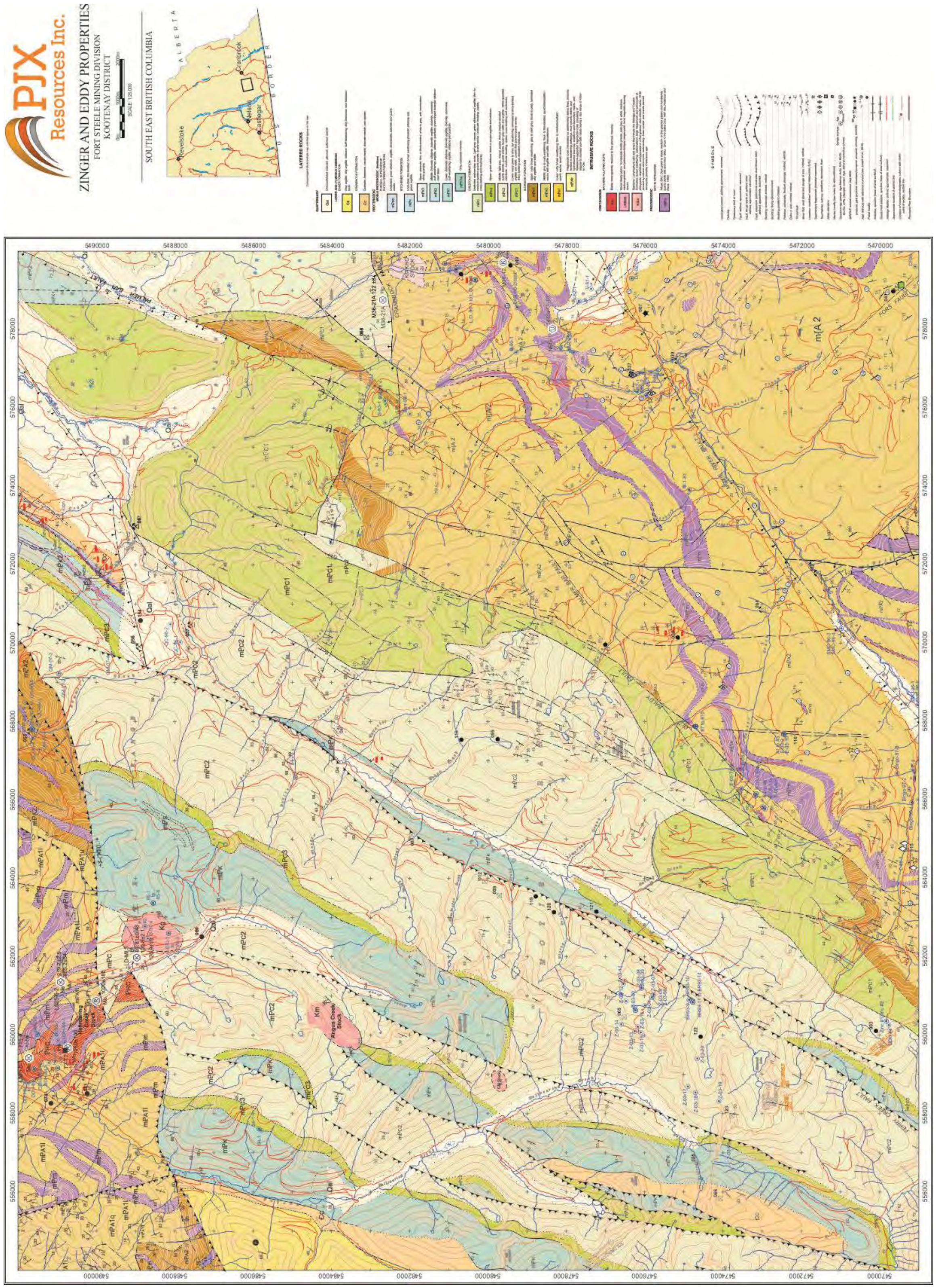

Figure 4: Regional geology map of the Zinger and Eddy properties (after compilations by Brown *et al.*, 2010a, 2010b). (see foldout)

Local Geology

The Eddy property lies within a structurally thickened package of Middle Aldridge formation bound to the north and west by Creston formation. The lithological units are primarily siltstones and argillites in the Aldridge formation representing marine deposited silts and muds. These quiet periods are interrupted by distal turbidite sequences marked by low energy soft sedimentary structures. Laminated siltstone marker beds present in the Middle Aldridge, are a set of barcode-like sequences of dark and light coloured siltstones that were uniformly deposited across the Meso-Proterozoic basin. The marker beds indicate the idealized stratigraphic length above the Lower / Middle Aldridge contact commonly referred to as LMC. LMC is an important stratigraphic horizon as it hosts the Sullivan deposit and elsewhere has the necessary conditions for a SEDEX deposition.

Northeast trending thrust faults place Creston formation on Kitchener formation along Perry Creek which marks the west boundary of the property. The east boundary of the property is roughly along the Moyie River fault, a northeast trending normal fault which repeats a section of Middle Aldridge rocks. Similar northeast trending normal faults cut through the middle of the Eddy property structurally thickening the Middle Aldridge formation. Two of these faults are named as they have been the subjects of historical exploration, the Palmer Bar Fault and the Old Baldy Fault. The sedimentary package is folded several times about northeast trending axial planes, causing additional thickening. The Cranbrook Fault differs from the aforementioned faults in that it trends east-west and dips to the north. The fault has normal motion and is offset by the Palmer Bar fault, indicating that it is related to an older structural event.

The intersection of the Palmer Bar Fault and the Cranbrook Fault has been the focus of exploration activities in recent years with the discovery of copper mineralization in the area called the Wishbone zone (Anderson, 2008). The Wishbone zone is a highly altered quartz and albite breccia occurring between two syenite dikes. The dikes do not appear to cross the Cranbrook fault into the Zeus drilling area and no syenites were indicated in surface mapping in the area (Klewchuck and Anderson, 2009). Instead, widespread iron oxide gossan and argillic alteration occurs south of the Cranbrook fault in the 2012 Zeus drilling area (Donald, 1984). The faded circular zone in the northeast corner of Figure 5 shows the extent of argillic alteration.

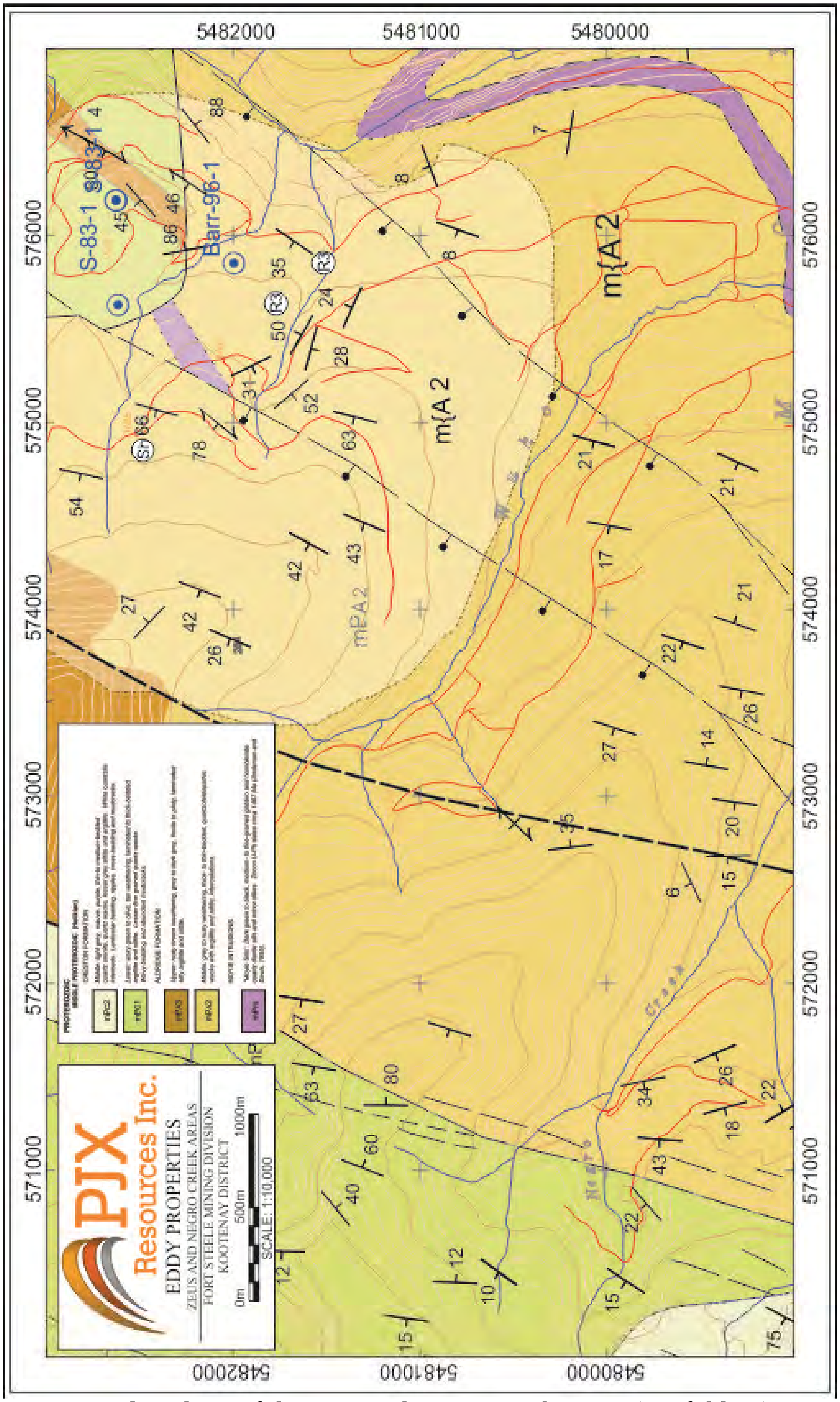

Figure 5: Local geology of the Zeus and Negro Creek areas. (see foldout)

Diamond Drilling

Introduction

Filtered data from the 2010 airborne VTEM survey revealed strong conductivity anomalies in the B-Field Z component plot (Klewchuck, 2012). The anomalies were evaluated for diamond drilling based on host lithology, structural regimes and observed surface alteration. The estimated depth to each anomaly's centre was done by creating profiles from time-delay channels of the electromagnetic data.

In October, diamond drilling commenced on the Eddy property starting with drill hole ED12-02 on the Palmer Bar FSR, followed by drill holes ED12-03 and 04 The drill was move off the property briefly for another project, then returned to the Eddy property to finish with ED12-01. In total 1,111.3m of drilling was done with NQ (47.6mm diameter) core recovered. Holes locations were established with a handheld GPS device (Table 2) and hole deviations were measured with a Flexit Smart Tool approximately every 25m (Appendix 4).

Drill Hole	Easting	Northing	Elevation (m)	Dip	Azimuth	Length (m)	Casing (m)	Core size
ED12-01	571173	5480101	1861	90	na	481.31	6.10	NQ
ED12-02	576297	5480848	1432	90	na	63.70	6.10	NQ
ED12-03	575954	5481076	1486	90	na	310.58	3.05	NQ
ED12-04	575203	5481524	1620	90	na	255.71	3.05	NQ

Table 2: Diamond drill hole details.

The drill core was logged with observations categorized by lithology, structure, alteration and mineralization. Additionally, orientation measurements were taken of various geological features such as bedding, cleavage, fractures, etc. Using keyword filters on the drill logs, graphic logs were produced in plotting software to illustrate relationships between categories, such as alteration and gold concentration (Appendix 4). Intervals for sampling were marked out and obtained by a hand cranked core splitter, with the exception of sulphide bearing interval which were cut in a core saw. Samples were sent to ACME Analytical Labs in Vancouver for ICP-MS 36 element analysis (Appendix 6). Cross sections were drawn to include surface mapping data and historical drill holes near the section lines (Figure 6).

Overview of Drilling Results

Drill holes ED12-02, 03 and 04 were collared in Middle Aldridge Formation sediments comprising mostly medium to thinly bedded siltstone and silty argillite. The stratigraphy was intersected at high angles indicating that bedding is roughly flat lying. Surface mapping from the literature support the flat lying stratigraphy in the east side of the drilling area where a Moyie Sill is exposed on the west bank of the Kiakho Lakes. An intersection of gabbro in ED12-03 is projected to be on strike with the Moyie Sill on surface and is roughly the same width. Two additional intersections of gabbro were drilled in ED12-02 and 03 higher up in the stratigraphy from the larger sill. The smaller intersections of gabbro may be correlative between holes 02 and 03 but a northeast trending fault occurs between the two holes and sedimentary beds in the holes are not distinct enough to provide correlation.

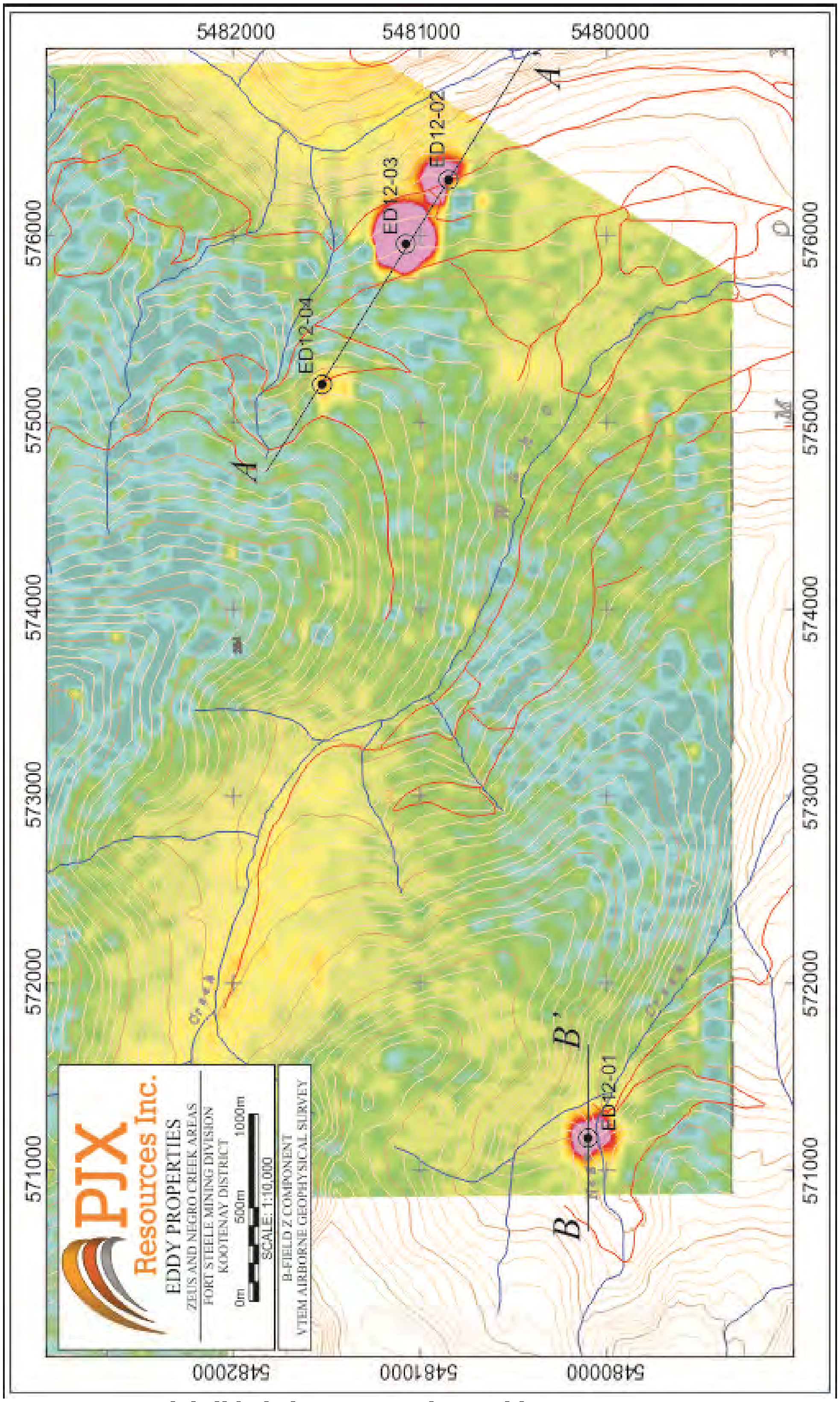

Figure 6: Diamond drill hole locations and B-Field Z component, VTEM survey. (see foldout)

No intervals of gabbro or other intrusive rock types were present in ED12-04. Marker beds, described by Höy (1993), were identified in ED12-04 indicating that beds intersected in the hole are likely younger than the beds in ED12-03 and 02. The markers observed were the 'R' marker and the 'R+13' marker which are stratigraphically up-section from the Moyie sills. Historical surface mapping identified the Shaft marker 300m east of hole ED12-04 where bedding dips to the west (Anderson, 2008). The Shaft marker is stratigraphically higher than the 'R' marker (D. Pighin, personal communication) and therefore a structural feature exists between hole ED12-04 and the surface exposure of the Shaft marker (Figure 7). Below the 'R' markers in ED12-04 is a unit of siltstone with interbedded finely laminated dolomite that may contain domed stromatolites or algal mats. Overlying the dolomitic unit in ED12-04 are argillites and siltstones with lesser amounts primary dolomite. The siltstones and argillites in ED12-03 and 02 do not contain primary dolomite and are likely deeper in the stratigraphic section than ED12-04, and there may be no correlative units between ED12-04 and ED12-03.

Throughout the sedimentary units drilled in the Zeus area, laminations of pyrrhotite and lesser pyrite occur except where strong silicification has taken place. The laminations are mostly a few millimetres thick and sometimes are accompanied by quartz and calcite. The quartz and calcite are likely secondary as quartz and calcite veins and fractures cut the laminations and appear to remobilize the iron sulphides into the veins. The sulphide laminations occur in low density of about five laminations per metre but can increase to about thirty laminations per metre. In intervals of increased lamination density the widths of individual laminations are commonly thicker but are never greater than a centimetre. The sulphide laminations are conductive but do not carry a charge between laminations.

Photo 1: Conductive pyrrhotite laminations with lesser calcite.

A strong alteration of chlorite fractures healed by calcite and haloed by silicification is the most abundant alteration. It is very rare for any sulphides to be present in the silicification zones although there appears to be a later silicification phase that accompanies hydrothermal veining hosting sulphides. Jarosite in fractures occurs at the top of holes ED12-03 and 04 as a weathering product of sulphide and iron carbonate oxidation. Deeper in ED12-04 fractures are not oxidized and host pyrite and pyrrhotite. Deeper still, in the interval hosting polymetallic veins, the same fractures are filled with siderite in addition to sulphides.

The hydrothermal veins identified in ED12-04 were up to 20cm in thickness but most were less than 1cm. The veins were comprised of wall rock fragments and subhedral siderite cemented in smoky grey translucent quartz with yellow-green platy chlorite along the vein margins. The veins of this style are present throughout ED12-04 but are at higher density between 120m and 170m. In the 50m interval two thicker veins are present, both approximately 20cm thick and hosting the strongest concentration of metal sulphides. Orientations of the veins are irregular as some appear layer parallel while farther down-hole they cut the core at low angles. The composition of sulphide minerals hosted in the veins is pyrite and sphalerite, with lesser galena and chalcopyrite, and trace tetrahedrite. The veins containing chalcopyrite are easily recognized in the graphic log where copper assays of samples have anomalous concentrations (Appendix 4). Assay results for gold indicated three locations in ED12-04 with anomalous concentrations. The polymetallic veins appear to host anomalous gold, the highest concentrations being 101.7ppb over 0.5m and 109.5ppb over 0.75m. Though no structure was identified at 99m, a sample contained anomalous gold concentrations (62.8ppb over 1m) which are not explained at this time. No significant mineralization was intersected in ED12-02 and 03.

Photo 2: Polymetallic quartz breccia vein.

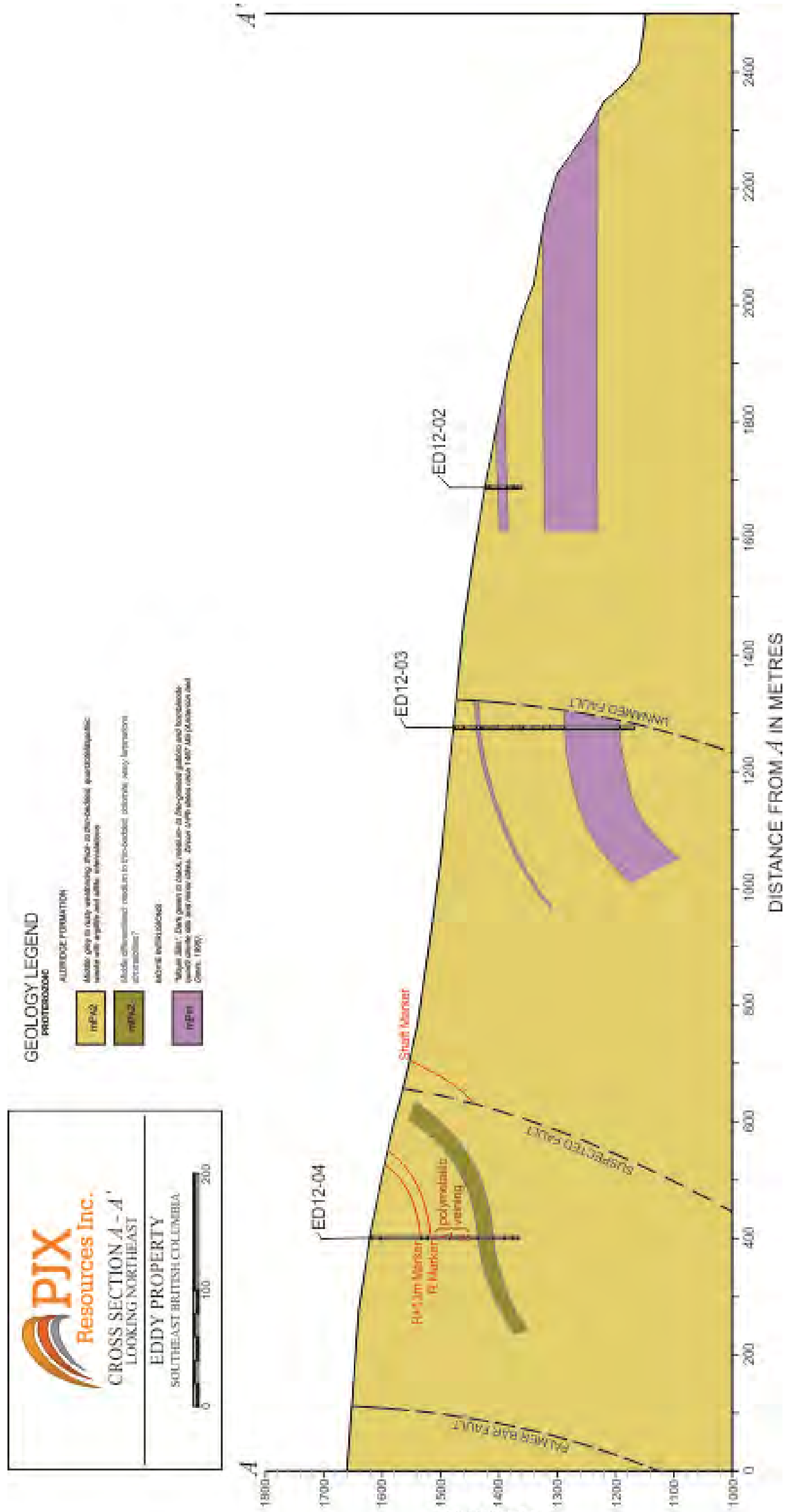

Figure 6: Geological section A-A' for drill holes ED12-02, 03 and 04. (see foldout)

In the Negro Creek area, historical mapping suggests the surface rock exposures belong to the Middle Aldridge Formation and Creston Formation separated by the Old Baldy Fault (Höy and Diakow, 1982; Kennedy, 1996). At the top of ED12-01 lithologies are thinly bedded blue-black argillites that could represent Upper Aldridge Formation. Down-hole intervals tend to be more silty and thicker bedded than the overlying argillaceous units. The bedding is at high angles to the core axis and based on surface mapping in the area (Höy and Diakow, op. cit.; Brown *et. al.*, 2010b), is suggested to be dipping to the west. A small fold was observed in the core at about 72m and bedding measurements around the fold vary from 30° to 70° to the core axis.

Photo 3: ED12-01 drill site looking down Negro Creek to the east.

The prominent alteration in the hole is the same as in the Zeus holes (ED12-02 to 04) where fractures filled with chlorite are healed by calcite and surrounded by silicification. The silicification is accompanied by hematite in the lower intervals where the alteration zones have a pink hue. A broad sericite and calcite fracture controlled alteration zone exists between 312m to 336m underlying a shear. The sericite alteration begins as a sub-stockwork zone of fractures and decreases in density farther down-hole, eventually disappearing. The shear zone itself is comprised of sericite, chlorite and calcite in a layer parallel breccia. Neither alteration appears to be directly related to mineralization.

Abundant disseminated zones and thin laminations of pyrrhotite and lesser pyrite, occur throughout the hole. While in the same style as in the Zeus holes, the pyrrhotite laminations in ED12-01 are less frequent and thinner. An interval of coarse disseminated pyrite near the bottom of the hole is unaltered with hematite forming in alteration zones above and below the pyrite zone. Layer parallel quartz and calcite veins with chlorite along the margins are thought to be small shear planes and rarely host fine blebby masses of pyrrhotite and pyrite. Very fine irregular

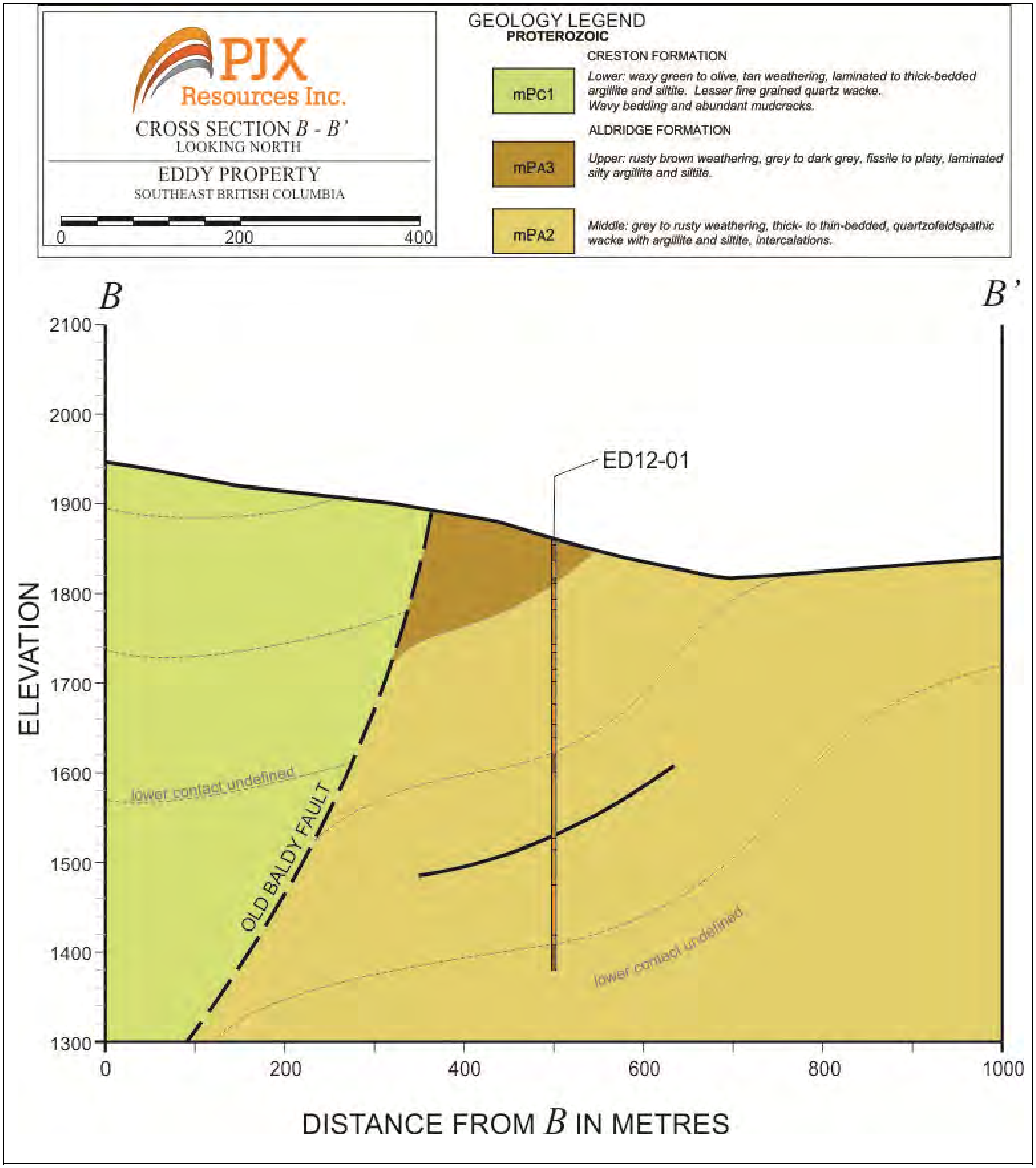

Figure 8: Geological section B-B' for drill hole ED12-01

fractures of pyrite occur at low angles to the core axis and may host sulphides remobilized from laminations as the fractures appear to emanate from the bedded sulphides. The only veins that appear to host elevated concentrations of base or precious metals are at low to moderate angles to the core axis. The veins are different from the other structures observed in the holes as they host siderite. The veins are commonly less than one centimetre thick and are sometimes found with fine sphalerite and lesser galena or chalcopyrite. In one instance the gold content within a siderite hosting vein is slightly elevated, but not to an anomalous concentration.

Summary and Recommendations

An airborne VTEM survey in 2010 indicated large sub-circular anomalies on the Eddy property. The anomalies were located in favourable ground based on host lithology and known alteration present in the areas. In 2012 PJX Resources Inc. drilled four holes for a total of 1,111.3m on the property in an effort to identify sources of anomalous electromagnetic signatures that might be related to mineralization.

All of the holes contained fine laminations of conductive pyrrhotite within the Middle Aldridge Formation that may be responsible for the EM signatures. The laminations were up to one centimetre in thickness and locally occurred in high concentrations. Mineralization included quartz, calcite and siderite veins in all holes with the greatest number and widths in ED12-04. The veins host polymetallic sulphides, including sphalerite, pyrite, galena, and chalcopyrite with rare tetrahedrite. Gold content in the veins was locally in anomalous concentrations with the best samples assaying 101.7ppb over 0.5m and 109.5ppb over 0.75m.

The drilling in the Zeus area indicated the presence of hydrothermal vein mineralization. Historical drilling further west intersected similar mineralization in a quartz breccia zone (Klewchuck and Anderson, 2009). The distance separating the historical holes and the location of ED12-04 is approximately 500m and crosses the Palmer Bar fault. With vein mineralization occurring on either side of the fault it is suggested that the fault may be an important structure to explore. The Wishbone zone lies along the Cranbrook fault in the footwall zone of the Palmer Bar fault (Klewchuck and Anderson, *op. cit.*). It is recommended that surface mapping take place in the Zeus area to explain the offset of marker beds described in this report and to define the proposed structure responsible for the offset. If the structure is found to intersect the Palmer Bar fault, diamond drilling near the intersection into the footwall zone may intersect more significant mineralization.

Acknowledgements

The diamond drilling was conducted by FB Drilling Ltd. and sites were chosen with consultation from P. Klewchuck, D. Anderson, C. Kennedy and S. Kennedy. The project was directed by J. Keating. Laminated marker beds were identified by D. Pighin and core sampling was done by J. Seabrook. The manuscript was reviewed by T. Höy.

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Appendix 1: Statement of Costs

Activity		**Cost**
Diamond Drilling		
Contract drilling (FB Drilling) (1,111.30m @ $120.78/m)		134,222.81
Drill core logging (16 days @$450/day)		7,200.00
Accommodations (14 days @$60/day)		840.00
Meals (14 days @$40/day)		560.00
Vehicle (14 days @$100/day)		1,400.00
Acme Assays (281 sample @ $25.00ea)		7,025.00
Map plotting and cross-sections (1 days @$450/day)		450.00
	Drilling Subtotal:	151,697.81
Report preparation (10.5days @$450/day)		4,725.00
	Subtotal:	156,422.81
Management (@15%)		23,463.42
	Total:	179,886.24

Appendix 2: Statement of Qualifications – M. Seabrook

I, Michael Sean Seabrook, BSc. do hereby certify that:

1. I attained the degree of Bachelor of Science (BSc.) in geology from the University of Calgary, Calgary, Alberta in 2008.

2. I have worked in the geological exploration industry for 5 years as an independent contractor.

3. I acted as an exploration geologist for PJX Resources Inc. during this program and have visited the property many times.

4. I, and the author and responsible for the preparation of this report entitled: **"Diamond Drilling, Eddy property, southeastern B.C.",** dated June 15, 2013.

Michael Seabrook

Appendix 3: Diamond Drilling Graphic Logs

PJX Resources Inc.

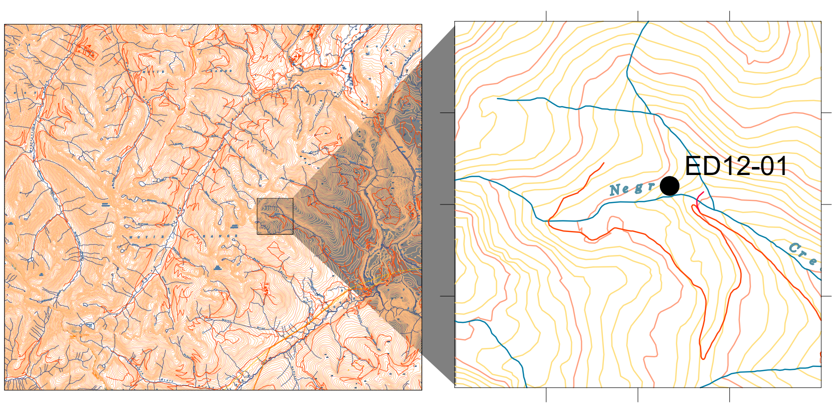
NEGRO CREEK AREA
EDDY PROPERTY
2012 Eddy Drilling Program
Fort Steele Mining Division

ED12-01

Commenced:	October 19, 2012
Completed:	October 22, 2012
Drill Contractor:	FB Drilling Ltd.
Logged by:	M. Seabrook
Logged on:	November 02, 2012
Sampled by:	J. Seabrook
Easting:	571173E
Northing:	5480101N
Elevation:	1861m
Core Size:	NQ
Azimuth:	NA
Dip:	-90°
Length:	481.31m

Flex-It Orientation Tests

Depth	Dip	Azimuth
15.74	88.3	150.3
64.92	88.5	133.5
114.10	88.5	141.0
163.28	88.1	139.0
212.46	87.8	135.7
261.64	87.9	128.8
310.82	87.3	108.6



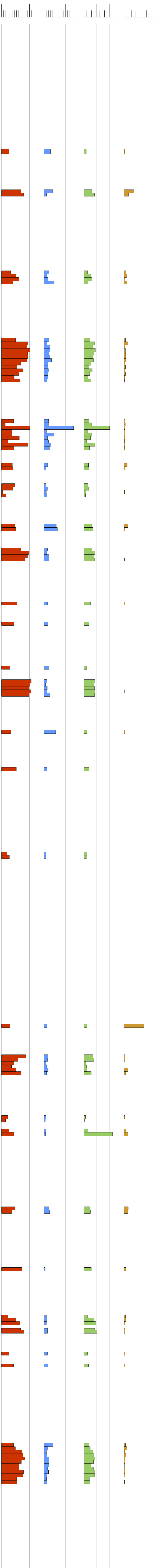
Depth (meters): 0, 40, 80, 120, 160, 200, 240, 280, 320, 360, 400, 440, 480

Lithology legend: gabbro, overburden, diorite, casing, siltstone, silty argillite, quartzite, silty quartzite, breccia, argillite

Alteration legend: ser + chl, mus, bt, chl + ser, chl, ser, jar, jar + Mn, Mn, goe, sid + Mn, sid, Py, jar + sid, hem, jar + hem, sid + hem, hem + Mn, jar+sid+Mn, silica

Structures: Angle to Core Axis (0, 30, 60, 90); V, C, B, F, AP, Fo, Fr

Fe (%) 0.8, 1.8, 2.8, 3.8; Pb (ppm) 0, 50, 100; Cu (ppm) 0, 50, 100; Au (ppm) 0, 25



Lithology

Casing

Siltstone (30) Argillite (70). Med to thin to very thinly well bedded locally finely well laminated. Light to med grey minor black-blue, slight yellow tingeed possibly iron oxide staining. Thin beds are not markers but fine turbidites with gouge marks, cross-beds and graded bedding. Interrupted by med beds of turbulent siltstone.

Siltstone (40) Argillite (60). Thin well bedded finely well laminated. Med grey-blue with localized beige-yellow from alteration. Very thin turbidite sequences with basal gouges and graded beds of silty argillite.

Siltstone (60) Argillite (40). Med to thickly mod bedded locally thinly bedded. Med to dark grey, yellow-beige locally.

Siltstone (30) Argillite (70). Thinly bedded interval with laminated sulphides. Same weakly turbulent sedimentation as previous interval but alteration zones obscure bedding. Thicker beds of siltstone are more common. Irregular bands of blue-grey coarse limestone aligned with bedding but with very irregular contacts; could be an alteration (only makes up 2% of rock).

Siltstone (60) Argillite (40). Med to thickly mod bedded locally thinly bedded. Med to dark grey yellow-beige locally.

Siltstone (70) Argillite (20) Qtzite (10). Thick poorly bedded locally finely weakly laminated. Med grey with slight green in alteration zones. Semi-massive siltstone beds with very faint lithological changes. Where visible, beds are very wavy and gouged and possibly folded because bedding is at lower angle to core.

Siltstone (50) Argillite (50). Thin mod bedded, mostly thickly bedded siltstone from 85m down, finely well laminated in argillite. Med to dark grey locally pale yellow or green in alteration zones. Fine gouges and wavy bedding in thin bedded rocks. Highly disturbed bedding in thick siltstone beds. Crossbeds suggest B-E turbidites (low energy). Cross-beds are 'RWU'. [Photo]

Siltstone (30) Argillite (70). Thinly well bedded finely well laminated. Dark grey to black with slight brown tinge from sulphides. Some wavy beds and gouges and graded bedding.

Siltstone (70) Argillite (30). Med to thickly mod bedded locally med poorly laminated. Med grey to black with slight brown to green tinge in alteration zones. Wavy bedding and gouge marks and lenses of dolomitic mud indicates low energy turbidites.

Siltstone (50) Argillite (50). Med-poorly bedded. Med to dark grey. Only a small section of host rock is visible. The rest of the interval is dominated by Qtz + Cal + Chl veins. Silstones with rip-up clasts of argillite and wavy bedding contacts.

Siltstone (50) Argillite (50). Med poorly bedded locally med well laminated otherwise poorly laminated. Med to dark grey. Dark green-yellow around and in shear. Argillite fragments hosted in thick siltstone beds.

Siltstone (70) Argillite (30). Med-thickly poorly bedded locally weakly finely laminamted in argillaceous beds. med grey with minor dark grey beds. Cross-bedding (RWU), black mud lenses and graded bedg suggest low energy turbidites. Interval is dominated by alteration.

Siltstone (60) Argillite (40). Med to thinly well bedded locally thin well laminated in argillite beds. Med to dark grey, locally dark green-pale yellow-green, or even mauve. Bedding is very wavy, gouged and graded. Low energy turbidites.

Siltstone (70) Argillite (30). Med poorly bedded locally finely weakly laminated. Med to dark grey. Locally green tinge in alteration or yellow brown when sericite is present. Strong flame structures and mud lenses. common. Siltstone is graded. Some weak fragmentals. Low energy turbiditess layer para 'beds' of blue calcite in unaltered sediments. Not concretions, not laminated. Very rare.

Siltstone (30) Argillite (70). Med to thinly well bedded finely well laminated. Med to dark grey to black locally green and mauve tinge in alteration zones. Very low energy turbidites with slight gouges of argillite tops.

Siltstone (60) Argillite (20) Quartzite (10). Med to thickly mod bedded locally thinly poorly laminated. Med to dark grey locally mauve to green tinge in alteration. Coarse units of sandy matrix with elongated mud clasts turned lenses. Turbulent flow textures and graded bedding and gouge marks.

Siltstone (20) Argillite (80). Thinly well bedded finely well laminated. Blue to dark grey to black, some brown where disseminated sulphides are present. Very low energy turbidites. Fine gouge marks and faint load casts.

Siltstone (50) Argillite (40) Quartzite (10). Med poorly bedded locally fine, poorly laminated. Med grey. Abundant alteration leaves core looking green and slightly mauve in patches. Coarse clastic sediments with graded bedding and gouge marks and lensy argillite fragments suggest turbulent sedimentation, mostly obscured by alteration.

Siltstone (50) Argillite (50). Med-thinly mod bedded locally thin well laminated in argillites. Med grey to black, some zones of green or mauve tinge due to alteration.Thin intervals of quiet sedimentation interrupted by thick siltstone beds which are too thin to be their own intervals.

Siltstone (50) Argillite (50). Med-thin mod bedded locally thin well laminated in argillite. Med grey to black. Green and mauve tinge in alteration. Short-lived intervals of quiet sedimentation and turbulent sediments similar to previous interval.

Siltstone (50) Argillite (50) FAULT! Med to thinly mod bedded locally finely well laminated in argillite. Dark grey to pale green-grey. Most of the original sedimentary textures are obliterated by strong fracturing of the core and alteration. *Major fault zone*

Siltstone (70) Argillite (30). Med weakly bedded thin poorly laminated. Dark grey green to pale green-beige. Fracture zone dominated by alteration and fine fractures. Original sedimentary structures have been obliterated.

Siltstone (50) Argillite (50). Med poorly bedded thin poorly laminated. Pale grey-green to black. Some pale beige-brown in sericite alteration zones. Original sedimentary structures partly obscured by alteration. Flame structure, gouge marks are common in visible bedding. Low energy turbidites.

Siltstone (60) Argillite (40). Med modd bedded locally thin mod laminated. Dark grey to black locally yellow-beige from sericite alteration. Sedimentary structures are difficult to distinguish due to alteration and rung core. Where visible weak sedimentary fragmental, gouge marks or wavy beds suggest weak turbulent sedimentation.

Siltstone (60) Argillite (20) Quartzite (20). Med to thickly poorly bedded. Light to med grey with slight green tinge in alteration. Fracture and alteration obscure original texture. Sandy Quartzite and sedimentary fragmental (Matrix supported angular fragments) flames, load casts all suggest mod turbidites.

Siltstone (60) Argillite (30) Quartzite (10). Med mod bedded locally thinly bedded argillite with thin faint laminations. Med grey to black with green to mauve tinged alteration in silicification and yellow-beige tinged in sericite alteration. Interbedded siltstones and argillite of various thicknesses. Some contacts have gouge marks and ripup clasts while siltstones are commonly graded. A thick unit of finely laminated argillite hosts disseminated cubic pyrite.

Siltstone (60) Argillite (30) Quartzite (10). Med to thickly poorly bedded thinly bedded argillite with thin mod laminated argillite. Light grey to black with green + mauve tinge and pale yellow-beige alteration colours. Minor sedimentary fragmental, flaser bedding, gouge marks suggest low energy turbidite sequence. Alteration obscures a lot of sedimentary features.

Siltstone (50) Argillite (40) Quartzite (10). Med to thinly mod bedded thinly well laminated in argillite. Med grey to black locally patchy green and mauve tinge in silicification and some minor pink hues. Weak gouge marks and lenses of argilaceous mud in siltstone suggest low energy turbidites.

Siltstone (30) Argillite (70). Med to thick bedded very finely laminated in argillite. Light grey to black, some patches of green to mauve. Top of interval is near massive black muds suggesting quiet sedimentation period. Lower half is interbedded siltstones with weak turbulent flow textures and sedimentary fragmentals.

Alteration

Silicification overprinting healed chl fractures observed in other holes.

Bleached to pale yellow pervasive and vein halos of ser. Halos coming off of qtz + Fe carbonate + ser veins that are vuggy. Silicification overprinting healed chl fractures and irregular blue grey cal patches up to 10 cm in diameter. Slight purple hue to host rock.

Silicification overprinting chl healed fractures and chl concretions. Strong cal concretions in alteration zones. Also patchy sometimes speckled cal. Very low angle qtz cal veins, possibly driving alteration.

Pervasive and vein halos of ser alteration often with silica + chl alteration. Occurs more commonly in thin bedded sediments and does not obliterate bedding. Possibly associated with qtz + Fe carb veins layer para host Py. Some cut bedding.

Silicification overprinting healed chl fractures and commonly has patchy to speckled cal that appears to be aligned to relict bedding.

Yellow brown pervasive ser alteration strongest in silty beds with cross-beds and are associated with layer para qtz + sid veins. Silicification overprinting healed chl fractures and associated with low angle qtz + cal veins. Only limited cal present in alteration. Some ser bleaching in bottom of lowest alt interval.

Silicification overprinting chl healed fracturess and speckled to patchy cal alteration is associated with low angle qtz + cal +chl veins. Strong laminated Po. Strong to mod disseminated to bleby Po.

Silicification overprinting chl healed fractures with weak speckled cal. Alteration is associated with low angle qtz + chl + cal veins. Euhedral cal crystals ~3mm long speckled in siltstone beds.

Core in these intervals is almost entirely qtz + cal + chl veined. Host is silicified with chl healed fractures with very weak patchy cal. Vein host significant platy cal and med grained green to black masses of chl.

Silicification overprinting chl healed fractures with patchy cal concretion ~7 cm in diameter. Low angle qtz + cal veins. Chl + ser pervasive alteration associated with strong qtz+ chl + graph layer parallel shear. Strong Fe carbonate in regular qtz veins and fractures in regular orientation (fracture controlled).

Silicification overprinting healed chl fractures and large cal concretions to speckled cal. Concretions up to 15cm diameter. Some small zones are not altered but most are. Subhedral to euhedral cal grains up to 0.5cm speckled (3%).

Silicification overprinting healed chl fractures with smaller cal concretions and weaker cal in general. Some of this alteration is accompanied by ser (first interval) while others have mauve-pink hue (hem).

Silicification overprinting chl healed fractures associated with low angle qtz + cal + chl vein. Intervals are not entirely altered but unaltered sections are <20%. Brown yellow ser alteration. Bedding is preserved. Possibly associated with layer parallel veins (qtz + sid). Subhedral cal replacement of selenite (gypsum) occurs in some unaltered siltstones. Sometimes fine chl replaces gypsum instead.

Silicification overprinting chl healed fractures. First zone has very strong cal content in odd patchy weave-like pattern. Lower zone has two 5cm diameter cal concretions.

Silicification overprinting healed chl fractures. Often with patchy cal or large (up to 10cm) cal concretions only one concretion present in intervals. Associated with qtz + cal + chl veins with minor Po.

Minor speckled cal replacement or selenite (gypsum). No other alteration.

Silicification overprinting chl healed fractures with weak speckled cal and cal concretions associated with low angle qtz + chl + cal veins hosting minor sulphides. Interval is not completely altered (~70%).

Silicification overprinting chl healed fractures with speckled cal and cal concretions. Aleration is associated with low angle qtz + cal + chl veins with minor sulphides. Fractured stockwork of cal and ser and minor chl. Fracture density is strongest near top of interval.

Fractured stockwork of ser and cal with minor sulphides (~10% fracture controlled alteration). Silicification overprinting healed chl fractures with speckled cal. No concretions. Common low angle veins associated with alteration is absent.

Ser + cal + chl stockwork to fault breccia is about 60% wall rock fragments subangular and of similar lithology to host rock.

Ser + cal fractures in high density sometimes in sub-stockwork. Silicification overprinting chl healed fracture with patchy cal and cal concretions up to 10cm in diameter associated with 2cm wide qtz + cal + chl vein at low angles.

Ser + cal fracture controlled alteration in low density distal from fault. Silicification over printing chl healed fractures with speckle cal and cal concretions associated with qtz + cal + chl veins. Interval is 70-80% alteration. Some thin intervals of unaltered rocks. Pervasive ser alteration halos around mod angle mineralized vein.

Pervasive ser alteration in argillaceous beds near and associated with qtz + sid veins as halos. Silicification overprinting healed chl fractures with mod patchy cal and a single cal + chl concretion associated with low angle qtz + cal + chl veins.

Fracture controlled ser + cal alteration with mod broken core and minor sulphides. Silicification overprinting healed chl fractures and weak speckled cal, less than before.

Silicification overprinting healed chl fractures. Possible pervasive hem causing pink colour in some intervals. Some minor cal in patchy alteration and in fractures. Alteration is associated with qtz + cal + chl veins in this interval, veins are very thin. Ser alteration of selective beds in hangingwall zone of fault.

Silicification overprinting healed chl fractures and weak patchy cal associated with qtz + chl + cal veins at low angles. Ser alteration of select bed with layer parallel polymetallic sulphide vein at center of the zone. Other minor ser alteration zones occur, but are weaker and thinner.

Silicification overprinting healed chl fractures with specled cal and ~5cm cal concretions. Minor hem alteration in strong silicified bleached zones causing pink hue. Alteration is associated with low angle qtz + cal + chl veins.

Disseminated to laminated Po + Py. Py is cubic Py in hangingwall of fault. Silicification overprinting chl healed fractures with speckled cal to large (up to 20cm) concretions and minor pink hue from hem alt.

Mineralization

Bleby to disseminated Po weak and bedded. Extensional fractures filled with microcrystalline qtz and fine-grained bleby masses of Po. Granular cubic Py grains in gouge of fault with chl.

Bleby to disseminated to laminated fine Po common to thin bedded turbidites but absent from alteration zones. Some brown sulphide could be tarnished Po or Sp. Remobilized by stringer fractures. Low angle fracture with fine Py. Mod angle graphitic fracture in ser alteration zone hosts fine Sp.

Disseminated to bleby laminated Po mostly developed in thin bedded sediments and absent in alteration zones. Where fine bedded sediments are ser altered, sulphides are predominantly Py. Layer parallel qtz + sid veins host Py.

Layer parallel qtz + cal + chl veins host Po.

Very low angle qtz + cal veins in silicification + chl + cal alteration zones have fine Py blebs along margins.

Very weak disseminated Py in unaltered, rare thin bedded intervals. Fine irregular fractures hosting bleby Py in deflections of fractures are filled with cal +/- qtz. Low angle qtz + cal +/- chl veins in silicification alteration zones host only minor amounts of Py.

Disseminated to laminated layer parallel Po or Py. A few (3) <1 cm layer parallel qtz + sid veins hosting mainly Py blebs and trace Gn and fragments of wall rock. Margins have chlorite slickenlines and qtz is not extensional suggesting shear vein.

Disseminated and laminated Po is strong in this interval with fine massive lenses of Po about 2 x 2mm laminations per 1 cm. Po is magnetic and conductive through lam. [PHOTO] Stringer Py fractures are irregular deflecting through bedding.

Weak disseminated to bleby Po. Thin <1 cm qtz + cal + chl veins associated with silicification alteration zones.

No disseminated Po or Py. Thick qtz + cal + chl veining hosting fine to bleby masses of non-magnetic Po. Very low angle Py fractures in unaltered zone.

Weak layer parallel bleby Py. Fine Py fractures. Irregular bleby and lenses of Py in shear zone in host rock and shear planes not in qtz veins. Regular oriented qtz + sid veins with vugs but no visible mineralization.

Irregular polymetallic blebs of sulphides appears to be low angle fractures and laminations of sulphides. Also has extensional fractures at right angle to bedding. Bleb is Py + Po + Ap. Low angle qtz + cal + chl vein associated with silicification hosts only Py + Po. Thin qtz + bt vein may host fine Po.

Weak layer parallel sulphides layer parallel smokey grey qtz with white sid host Py + Gn in trace amounts. Sp and Cp developed in thin white cal fractures. Soft sediment hosted bleb of Po + Ap developed with cal.

Disseminated to layer parallel blebs to laminated of Po, occurs only in unaltered sediments. Fine extensional fractures filled with Po +/- Py +/- Ap are possibly tectonic remobolization of laminations. Ap found in a fracture at 171.78. Low angle qtz + chl + cal veins associated with silicification zones host Po in minor amounts, also strong bt found in one vein.

Layering aligned, elongate bleby to fine massive laminations (~2mm) of Po. Po is magnetic and conductive. Layer para qtz + chl + cal vein hosts similar Po. Veins are ?1 cm. Py stringer veins deflect through sedimentary layering. Almost entirely Py <1mm.

Bleby layer aligned Po. Fine irregular Py fractures. Mod angle qtz + sid vein hsoting Py + Gn + Cp is <1 cm and has minor ser alteration halo.

Disseminated to bleby bedding aligned to massive thin laminations of Po. Po is magnetic and mass laminations are conductive. Fine Py fractures <1 mm in width. Extensional fractures from bedding planes host bleby Po + Py.

Almost no disseminated to laminated Po. Low angle qtz + cal + chl veins host minor bleby Po and can have fine cubic Py dissemination halos. Veins are ?1 cm. Irregular Py fractures are uncommon. Extensional fractures of Po also uncommon.

Disseminated to laminated Po is rare and layer parallel. Veins with Py + Po are also rare. Low angle qtz + cal + chl veins host minor bleby Po. Two types of fractures host fine Py +/- Po. Ser + cal fracture stockwork in described alteration are high density.

Disseminated to laminated Po is weak in alteration. Layer parallel 1 cm qtz + cal + sid vein hosts fine bleby Py. Common Py frac and Po extensions. Ser + cal stockwork fractures and thin breccia. Breccia is 50% cement and 1 cm thick . Minor Py in stockwork fractures.

Minor disseminated to laminated Po.Two high angle composite qtz + cal + chl veins hosting Py +/- Po along vein margins and in extension fractures within veins. Ser + chl + cal fracturing into stockwork and breccia. Some rare Py blebs along fractures.

Trace disseminated to laminated Py. Two types of sulphide fractures are rare in interval. Ser + cal fractures are in high density but are not mineralized. Low angle qtz + cal + chl veins host trace bleby Po.

Irregular qtz + black chl + strong cal vein hosts large blebs. Subhedral crystals, masses of Sp, and fine-graines of Cp + Gn. Mod angle vein is similar but with sid instead of cal with similar mineralization Cp. Py + Po fractures. Disseminated to laminated Po.

Disseminated to laminated Po. Layer parallel qtz + sid veins are smokey grey to white with beige-white sid and fine cubic Py. Low angle qtz + cal + chl hosts fine bleby Po.

No disseminated Po. Two types of sulphide fractures Po + Py. Ser + cal fractures host minor sulphides (Py) and are in med density in indicated intervals. Low angle qtz + cal + chl veins host rare blebs of Po.

Very weak laminated to disseminated Po. But zone of strong disseminated cubic Py and some layer parallel qtz veins host Py. Vein in footwall of fault is comprised of white qtz with intercrystalline cal and fine chl with Py strings near footwall of vein with chl. Vein is ~12 cm. Two types of fractures hosting Po +/- Py +/- Cp. One fracture at 393.70 hosts trace Cp.

Very little disseminated Po. Layer parallel translucent smokey grey qtz and white to beige sid hosting coarse Sp with minor Py and Gn. Vein is <1 cm and halo'd by ser alteration. Low angle qtz + cal + chl veins ? 1 cm in silicification zones. Host minor bleby Po. Fractures of Po +/- Py are in low density in interval.

Disseminated to laminated Po up to 3mm. Po is magnetic and conductive. Layer parallel cal veins within laminated Po zones often with Po veins <1 cm. Low angle qtz + cal + chl veins associated with silicification. Veins ?1 cm rare bleby Po. Common sulphide fractures with Po +/- Py.

Coarse disseminated Py up hole from shear fault. Disseminated Po + Po laminations are magnetic + conductive. Low angle qtz + cal + chl veins with trace Po. 2 cm fractured rock with qtz veining and disseminated Py in possible shear.

PJX Resources Inc.

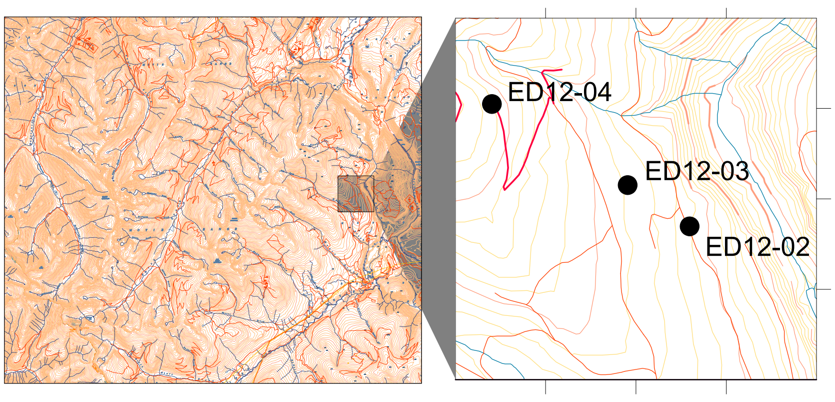
BAR AREA
EDDY PROPERTY
2012 Eddy Drilling Program
Fort Steele Mining Division

ED12-02

Commenced:	October 02, 2012
Completed:	October 03, 2012
Drill Contractor:	FB Drilling Ltd.
Logged by:	M. Seabrook
Logged on:	October 03, 2012
Sampled by:	J. Seabrook
Easting:	576297E
Northing:	5480848N
Elevation:	1432m
Core Size:	NQ
Azimuth:	NA
Dip:	-90°
Length:	63.70m

Flex-It Orientation Tests

Depth	Dip	Azimuth
68.52	87.9	097.4



Depth (meters) | Lithology | Alteration | Structures | Mineralization | Fe (%) | Pb (ppm) | Cu (ppm) | Au (ppb)

Lithology legend: gabbro, overburden, diorite, casing, siltstone, silty argillite, quartzite, silty quartzite, breccia, argillite

Alteration legend: ser + chl, mus, bt, chl + ser, chl, ser, jar, jar + Mn, Mn, goe, sid + Mn, sid, Py, jar + sid, hem, jar + hem, sid + hem, hem + Mn, jar+sid+Mn, silica

Structures: Angle to Core Axis 0 30 60 90; V, C, B, F, AP, Fo, Fr

Fe (%): 1.8 2.8 3.8 — Pb (ppm): 6 16 26 36 — Cu (ppm): 0 200 400 600 — Au (ppb): 0 10 20 30 40

Depth (m)	Lithology	Alteration	Mineralization
0 – ~6	Casing.		
~6 – ~8.5	Diorite to gabbro boulder. [Qtz-2, Plag-70, Kspar-0, Mafics-28]. Med grained green to dark grey. Most of the mafic minerals have been metamorphosed to green chlorite. Some black amphibole still present. Plagioclase is white as small anhedral crystals and likely makes up a large amount of the grey-green matrix. Dark laths could be biotite but difficult to distinguish from amphibole. Weathered on both ends of the interval suggest that it may be a boulder. Brown unconsolidated clay and mixed lithology clasts.	Weak pervasive chl alteration. Tertiary weathering and quaternary disposition.	
~8.5 – ~21.9	Siltstone (30) Argillite (60) Quartzite (10). Med to thin well bedded fine moderately laminated. Med to dark grey-black. Some gouge marks and graded beds suggest the beds are RWU.	Mod to strong silicification of sediments. Weak fracture controlled jar alteration within low angle fractures. Jar also occurring in fine bedding parallel foliation planes. Foliation parallel jar + ser increases to 17.98 where it stops. Strongly silicified pervasively and patchy weak pale green chl. Coarse secondary cal forming in coarser-grained units while fine-grained units are pervasively brown hornfelsed? Chl concretions formed in associated with cal. Cal is a replacement of gypsum (Selenite).	Low angle qtz veinlets host bleby masses of fine-grained Py. Veins are <1 cm. Jar in low angle fractures. Fracture are <1cm widths with fine cal or dolomite and chl. ~1 cm qtz + bt + albite vein and associated stringers of chl + cal within an alteration zone around the vein at 18.94.
~21.9 – ~37.2	Gabbro. [Qtz-5, Plag-50, Kspar-0, Mafic-45]. Med grained massive equigrainular dark grey to green. Some ground mass minerals have been replaced by chlorite, probably plagioclase. Med laths of biotitet and/or elongate euhedral amphibole make up the dark minerals. Plagioclase is anhedral to subhedral. Well-developed cumulate texture at the top of the sill with larger plagioclase and mafic grains. Strong calcite content in sill.	Mod to weak chl alteration of mafic and plagioclase ground mass and mafic phenocrysts. Ground mass hosts significant cal. Weak chl alteration of ground mass and phenocrysts. Coarse biotite and massive Po near contact.	Bleby Py and Po forming at the contact of gabbro sill and sediments. Mineralization is intergranular. Weak disseminated Py and Cp <1%. Bleby intragranular Cp and Py.
~37.2 – ~46.4	Siltstone (20) Argillite (70) Quartzite (10). Med to thinly mdd weakly finely laminated. Interbedded dark grey to black. Crossbeds at 38.18 are right-way-up, some thin beds of lensy quartzite chips, possibly mudchip breccia. No calcite content in host rock.	Mod to strong pervasive silicification throughout sediments. Speckled grains of cal replacement of selenite (gypsum). Brown yellow ser + jar alteration of fine grained argillite. Alteration is foliation parallel with lensy qtz and speckled hem. Patchy qtz + chl alteration. Chl forming in irregular rounded qtz veins as granular masses and as healed fractures at low angles to core. Bleby disseminated Po and vein hosted Py and Po. Some bleby masses are stratabound and form near the bottom of the interval.	Disseminated to bleby laminated Po and Py. Sulphides are fine grained masses of the mineral. Vein of fine granular Po in cal with jar. Vein is irregular and has void space (vugs). Same common cal vein fractures previously observed. Masses and fine cubic grains of Py at low angles.
~46.4 – ~50.2	Siltstone (40) Argillite (30) Quartzite (30). Med moderately bedded thin poorly lam in argillite. Med grey to black interbedded. Unit does not show much soft sediment features, possible weak graded bedding.	Strong silicification of all sedimentary beds. Pervasive chl concretions and healed chl + qtz fractures. Concretions are 1-2cm in diameter and host cal surrounded by smokey qtz. Fractures are at low angles to core.	Same low angle cal stringers with irregular margins with qtz. Bleby to disseminated and laminated massive of Py in low density.
~50.2 – ~55.2	Siltstone (40) Argillite (50) Quartzite (10). Med-thinly well bedded locally very thinly well laminated. Med to dark grey interbedded. Weak crossbedding at 52.26 are RWU. Other soft sediment features include gouge and fill, weak flame structures, and graded bedding.	Strong silicification of all sedimentary beds. No speckled cal. Healed by silicification extensional veining to produce a weak patchy alteration. Chl is fracture hosted in same interval. Disseminated and vein hosted Py associated with vuggy smokey qtz vein.	Py is weakly disseminated and vein hosted in common low angle veins. Some laminated Py healed host. Hosts 1cm x 2cm bleby layer bound masses of fine grained Py. Extentional gashes remobilize Py into fractures. Fractures are ctz + chl veinlets.
~55.2 – 63.7	Siltstone (30) Argillite (65) Quartzite (5) Dolomitic. Thin to very thin well bdd finely well laminated. Light grey to black with brown layering. Relatively quiet sedimentation some small rare load casts and flame structures. Strong calcite content increasing downhole (Dolomitic).	Moderate silicification. Not as strong as up hole units. Mod brown pervasive Fe carbonate alteration from sid + cal. Fe carbonate is often confined to certain beds where disseminated to laminated bleby Py is developed.	Low angle qtz + cal +/- ser irregular stringers are in low density and do not host sulphides. Laminated to disseminated Py and possibly Po is about 5% over interval. Py is best developed in lamination as bleby masses. A fracture intersecting a lamination is mineralized with Py and minor Cp.

PJX Resources Inc.

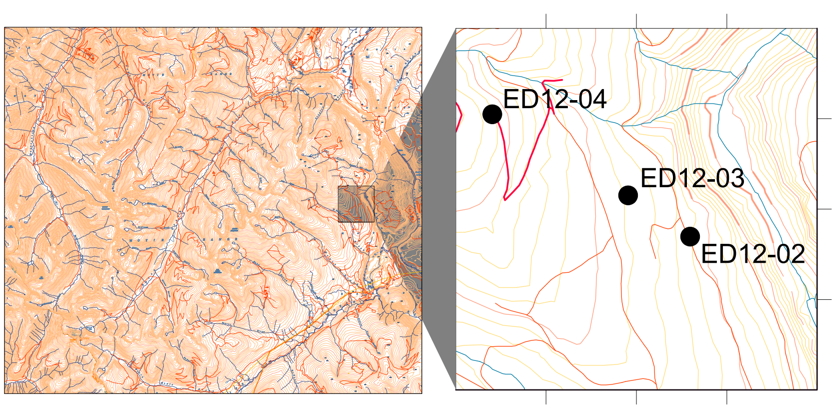
BAR AREA
EDDY PROPERTY
2012 Eddy Drilling Program
Fort Steele Mining Division

ED12-03

Commenced:	October 05, 2012
Completed:	October 07, 2012
Drill Contractor:	FB Drilling Ltd.
Logged by:	M. Seabrook
Logged on:	October 06, 2012
Sampled by:	J. Seabrook
Easting:	575954E
Northing:	5481076N
Elevation:	1486m
Core Size:	NQ
Azimuth:	NA
Dip:	-90°
Length:	310.58m

Flex-It Orientation Tests

Depth	Dip	Azimuth
12.79	88.6	084.9
58.69	88.6	082.9
107.87	88.6	097.1
189.18	88.6	094.0
247.54	88.3	094.0
298.03	88.2	110.3
334.10	88.5	079.6



Depth (meters)

Lithology: gabbro, overburden, diorite, casing, siltstone, silty argillite, quartzite, silty quartzite, breccia, argillite

Alteration: ser + chl, mus, bt, chl + ser, chl, ser, jar, jar + Mn, Mn, goe, sid + Mn, sid, Py, jar + sid, hem, jar + hem, sid + hem, hem + Mn, jar+sid+Mn, silica

Structures: Angle to Core Axis 0 30 60 90; V, C, B, F, AP, Fo, Fr

Mineralization

Fe (%) 1.2 3.2 5.2 7.2 9.2; Pb (ppm) 0 100 200; Cu (ppm) 0 250 500 750; Au (ppm) 0 25

Depth scale: 0, 20, 40, 60, 80, 100, 120, 140, 160, 180, 200, 220, 240, 260, 280, 300, 320

Lithology	Alteration	Mineralization
Casing.		
Mixed lithology boulders and jarosite rich muds.		
Siltstone (65) Argillite (30) Quartzite (5). Med-thinly mod bedded locally med well laminated. Med to dark grey with overprinting pale yellow-green some minor gouge and fill structures.	Mod to strong fracture controlled jar alteration and ser altalteration. Ser bleeds into sediments overprinting an earlier silicification. Ser is patchy while silicification is pervasive. Pyrolusite ferns developed on either side of a fine fracture breccia. Fracture breccia zone has mod ser alteration softening sediments and is accompanied by jar.	Smokey qtz veins <1cm cut core 5 times in the interval and host chl + bleby masses of Py, Po and Cp. 10cm wide fracture breccia does not appear to be mineralized. Disseminated to bleby Py in ser alteration zone.
Siltstone (50) Argillite (50) Weakly dolomitic. Very thinly well bedded finely well laminated. Light to dark grey to green-brown. In some areas speckled with fine calcite or chlorite +/- biotite. Some rare gouge marks. Crossbeds at 22.60 are RWU.	Mod pervasive silicification. Fine grained dark grey to black speckles of possibly bt or chl with similar white cal crystals. Both are replacements of selenite (gypsum). Cal has fine muscovite halos.	Weak disseminated to laminated bleby masses of fine Py.
Siltstone (30) Argillite (60) Quartzite (10). Med to thinly mod to weakly bedded locally fine mod laminated. Med to dark grey to slight green. Minor gouge and fill textures. Calcite only in alteration and as minor speckled replacement of gypsum.	Only weak local silicification around qtz veining. chl + cal concretions associated with fine chl veinlets and spotty cal replacement masses. Some fine yellow jar is also present in chl alteration.	Very weak disseminated Py. 1-2 cm wide qtz + chl veins hosting bleby masses of Py +/- Po +/- Cp with strong cal present in vein and yellow jar along some but not all vein margins.
Siltstone (30) Argillite (60) Quartzite (10). Med to thinly well bedded locally thin weakly laminated. Med grey to black with patchy green. Some weak sedimentary structures. Graded bedding and minor wavy beds. Some speckled dark laths of biotite as replacement of gypsum.	Weak to mod silicification. Most of the core is weakly silicified except for areas of healed chl fractures where silicification is strong. Healed fractures of chl in zone of silicification and ser + jar fractures. Thin zones of patchy cal growth. Only two small zones over the entire interval. Fracture controlled jar + ser in low density fractures.	Two thin qtz + cal veins with fine chl hosting bleby masses of fine Po. Veins are smokey grey qtz <1 cm thick. Thin stringers of bleby Py in very low vein density. Py is very fine grained with vugs in center of grain masses. Weak disseminated to laminated Py and Po often in soft sedimentary deformation areas (load casts).
Gabbro. [Qtz-5, Plag-35, KSpar-0, Mafics-60]. Near equigranular green to dark green brown. Ground mass of the sill is altered to brown biotite and less chlorite. Matrix is still probably strong with plagioclase. Mafic amphibols and pyroxenes are altered to black green chlorite. Hanging-wall margin of the sill has well-developed cumulate texture with strong brown biotite matrix. Calcite is developed throughout the sill, but is in coarse grained layers at the hanging-wall contact.	Strong chl + cal alteration of matrix and chl alteration of amphibol phenocrysts is pervasive. Fine grained bt in the matrix near the contacts is accompanied by disseminated Py + Po.	Vein hosted Cp and Py in a single vein in the interval. qtz + cal + chl vein. Disseminated Py + Po strong near the contacts of the sill but dissipating towards the center.
Siltstone (20) Argillite (40) Quartzite (40). Med to thinly well bedded locally finely well laminated. Med grey to black and locally pale yellow-grey. Cross-beds at 47.26 are RWU, abundant graded bedding and thin beds of speckled biotite replaced gypsum.	Silicification is weak for most of the interval. Vein hosted chl and patchy chl are mod around qtz vein. Mod patchy chl associated with strong silicification and fracture controlled ser + jar alteration. In mod density, fine cal growth in coarse grained sediments producing patchy alteration.	Vein hosted Cp in 1cm qtz + cal + chl vein. Vein Cp is in fine grained bleby masses and weakly disseminated into host rock.
Siltstone (20) Argillite (70) Quartzite (10). Medium to thinly well bedded locally faintly laminated. Med to dark grey locally pale yellow-grey. Weak load casts and graded bedding possible mud chip breccia.	Weak silicification but locally strong associated with healed chl fractures. Chl clots? also associated with the fracture zone. Healed chl fracture and chl concretions with mod ser + jar fractures. Interval also has strong silicification. Other zones of weak spotty to pervasive chl alteration are common. Very weak disseminated Fe sulphides.	Thin qtz + cal + chl vein in chl alteration and silicification hosts fine dispersed Py. Vein cuts bleached silicified siltstone but does not change nature. Laminated to disseminated bleby masses of Py with lesser Po and Cp. Cp has void space in masses.
Siltstone (20) Argillite (70) Quartzite (10) moderately dolomitic. Thin to very thinly well bedded finely well laminated. Med to dark grey-black locally brown. Minor soft sediment features like graded bedding, gouge and fill and minor crossbeds. Crossbeds at 70.56 are RWU although it is difficult to tell.	Weak silicification and very localized to fracturing. Fracture controlled ser + jar alteration in low fracture density locally increasing in aforementioned frac zones. Laminated to bedded sulphides, mostly Po and Py, over entire interval.	Fracture hosted Py in fine masses in fracture zone. 1cm thick smokey grey qtz + cal + fine bleby masses along vein margin. Fine Po also present and fragments of wall rock appear in the vein. Fine disseminated to bleby laminated masses of brown Po and Py. Po turns some layers brown. Mod disseminated Po + Py.
Siltstone (60) Argillite (20) Quartzite (20). Med well to mod bedded locally fine poorly laminated. Light to med grey locally green-grey due to alteration. Evidence of slightly more turbulent environment with deep gouges and rip up clasts. No cross-beds.	Weak pervasive silicification regional diagenesis (metamorphism) fom burial or tectonics. Locally stronger. Mod to strong silicification associated with thin fractures with ser + jar alteration in mod density. Contains extensional qtz veins with Py + Po and a lamination of bleby Py at the center of zone. Second similar zone of mod silicification associated with fractures of ser + jar. 1-4cm concretions with cal at the center and silica around the perimeter. Py stringers.	Very weak disseminated sulphides in interval. 1-3cm qtz + cal + chl veins hosting Py and Po in bleby masses along crystal faces. Py stringer veins do not have associated alteration but have vug spaces in fine grained bleby masses.
Siltstone (30) Argillite (70) Quartzite (0). Med to thinly well bedded med well laminated. Light to dark grey. No obvious soft sediment features, very quiet period of sedimentation. Some minor replacement of gypsum crystals in coarser grained beds.	Absent of silicification. Some beds have been softened by cal. Laminated to disseminated magnetic Po in strongest concentration yet. Strong fractures of chl + ser + graph healed and dense. Not seen before.	Laminated to disseminated Po in bleby grains and fine grained masses. Massive lamination <1 cm thick of Po with fracture graphite + ser + chl zone below disseminated Py also present.
Siltstone (50) Argillite (40) Quartzite (10) weakly dolomitic. Med to thin to very thin well bedded fine well laminated. Med to dark grey to brown. Sections of finely bedd markers seperated by coarse, often graded beds of siltstone and quartzite. Some thin beds with crossbeds at 117.35 are RWU. Possible Medowbrook marker?	Some minor Fe carbonate near bedded sulphides. Bedded sulphides in mod intensity with disseminated sulphides.	Disseminated to laminated Po and Py in moderate concentration. Very limited veining and fracturing.
Siltstone (70) Argillite (20) Quartzite (10) very weakly dolomitic. Med moderately bedded med mod laminated locally finely laminated. Light grey to med grey locally black or pale yellow-green-grey. Slightly more turbulent sedimentation with shallow gouges, rip-up clasts and fine crossbeds at 125.80 are RWU. Some thin beds of minor calcite or dolomite. Coarse crystal laths of chlorite grow in replacement of gypsum in select beds.	Patchy silicification around fracture zones and veins. Ser + cal fracture breccia does not have silicification but instead has softened and browned host rock from ser alteration.	Several thin <1 cm qtz + cal + chl veins with chl grown in clots and qtz growing extensionally into the center of the vein. Qtz is smokey grey, transparent. Veins host fine-grained masses of Po and Py. Disseminated to laminated Po + Py as bedded bleby masses. Similar bleby masses of Py occur in fine fractures at the top of weak ser fracture breccia. Fault at the bottom of the interval has cal + graph + Py masses + chl?
Siltstone (50) Argillite (50) weakly dolomitic. Med to very thinly mod bedded. Med poorly laminated, locally fine well laminated. Med grey to black locally pale yellow-green or brown. Unit is dominated by fractures from fault at 142.84. Some graded bedding and load casts. Very little soft sedimentary features. Some med beds of chlorite crystals as replacement of gypsym or selenite.	Fractured rock weakly silicified with fracture controlled cal + chl and hosting sulphides. Mostly solid core with zones of mod to strong silicification and healed chl fractures.	Abundant fractures of calcite and chl hosting up to 1cm diameter masses of fine-grained Py. Sediments host weak to mod disseminated to laminated bleby Po + Py. Magnetic.
Siltstone (40) Argillite (50) Quartzite (10) weakly dolomitic. Med to thinly bedded finely weakly to well laminated. Med to dark grey locally faint brown colour. Some mod soft sediment deformation with gouge and fill marks.	No silicification. Only moderate fracture controlled cal + ser +/- jar alteration.	Cal fracture veins in sub-breccia contain stringers of Py. Bedding parallel qtz veins host Py and have ser alteration of 1cm from the <1 cm veinlets. Disseminated to bedded masses of Py and Po are common in moderate intensity.
Siltstone (60) Argillite (30) Quartzite (10). Med to thinly mod bedded locally mod finely laminated. Med to dark grey locally patchy green-grey. Speckled chlorite as a replacement of gypsum in coarse grained units. Moderate soft sediment deformation with gouge and fill marks. rip up clasts, slightly more turbulent deposition.	Moderate silicification associated with qtz +/- cal stringers and patchy chl concretions. Interval has speckled chl replacement of selenite (gypsum).	Low angle qtz + cal + chl vein hosts minor bleby masses of fine-grained Py. Bedding parallel qtz vein has lower contact of cal + ser and hosts fine-grained Cp and a single grain of Gn. Layer parallel qtz vein with Py and Gn in low concentrations. Vein is less than 1cm thick. Disseminated to bleby laminated Po + Py also developed in cal fractures, but only in areas where bedded sulphides are present below 160.85.
Siltstone (30) Argillite (60) Quartzite (10) weakly dolomitic. Thinly well bedded med weakly laminated. Dark grey to black. Only minor soft sediment feature and only in upper portion of interval. Very minor speckled chlorite replacement of selenite (gypsum).	Fracture controlled chl alteration within fracture zone. No chl concretions and no selenite (gypsum) replacement. Disseminated and bedded fine sulphides.	Cal + minor qtz + chl breccia with wispy margins of fine brass Py and bleby granular masses of Po. Common cal fracture vein stringers. Disseminated to bleby laminated Po. Laminations are mostly <1mm thick and most are not massive.
Siltstone (50) Argillite (40) Quartzite (10) mod dolomitic. Med to thin mod bedded fine well laminated. Med to dark grey with local pale yellow-green. More turbulent bedding with lenses of calcite and fine chlorite replacement of selenite.	Layer parallel cal flooding and lensy cal growths associated with cal fractures common in the interval. Minor chl concretions in zones of stronger ser fractures. Ser fracture increasing down hole to contact with intrusive at end of interval. Bleached to yellow-pale green strong pervasive ser alteration with silicification associated with thin layer parallel qtz veins and bleby disseminated sulphides. Only place this has been observed. Biotite and sulphide enriched zone with strong cal pervasive bt + cal.	Weak disseminated to layer parallel bleby masses of Po. Two thin layer parallel qtz + cal veins hosting mod Py and minor Gn in the ser alteration zone. Disseminated Po is stonger in this interval. Bedding parallel massive <1cm brown non-magnetic sulphide vein (Sphalerite). Three massive vuggy Py veins up to 1cm in a bt enriched zone.
Gabbro [Qtz-5, Plag-50, Kspar-0, Mafics-45]. Light green to med green med grained equigranular . The top of the sill is finer crystalline and has more dark minerals like biotite and amphibole not altered to chlorite. Mod dull tan siderite or possibly sericite throughout interval and a large amount of matrix calcite.	Pervasive chl alt of amphibole. Probably a regional diagenetic or tectonic feature. Pervasive qtz and Fe carbonate (siderite) alteration zone associated with qtz + cal + sid veins. Rock is still hard suggesting mod silicification.	Disseminated Po halos around thin qtz + cal + chl + Py vein extending ~1cm from edge of vein. Med granular Py recrystalized from coarse cubes of Py in siderite + qtz veins and disseminating and bleby into host gabbro. Veins are strong within interval 202.05 to 202.6. Common fractures host fine Py.
Gabbro [Qtz-0, Plag-30, Kspar-0, Mafics-70]. Pale green to black finely equicrystalline phase of gabbro with finer crystalline phenos. Plagioclase still present in matrix but fewer phenocrysts of plagioclase. Amphibole has not been altered to chlorite as strongly. None to very little calcite content in matrix.	Very weak chl alteration of amphibole phenocrysts and matrix crystals. Weak Fe carbonate alteration in fractures with chl and possibly ser. Cal development as halos around qtz + sid + chl veins.	Thin qtz + sid + chl veins host Py and Cp in small irregular fine grained masses. Mostly occuring in center of vein suggesting late percipitation. Cal stringer veins are irregular and discontinuous. Very weak disseminated Py and blue sulphide, possibly Gn in trace amounts.
Gabbro [Qtz-5, Plag-35, Kspar-0, Mafics-60]. Various phases of dark grey-green to med green. Fine to med crystalline elongated black amphibole and subhedral phenocrysts with pale grey twined anhedral plagioclase phenocrysts cemented by dark to med grey-green plagioclase and mafics with chlorite and minor calcite. ~50% phenos to matrix.	Weak pervasive chl alteration of amphibole and calcite (which could be primary) in matrix. Mod to strong pervasive chl alteration of matrix with mod to strong cal. Rock is strongly green. Chl alteration is overprinted by dark Po +/- bt alteration associated with more abundant high angle veins or low angle clean qtz vein.	Cal stringer-veinlets in low density throughout interval, no sulphides in cal stringers. Chl zone has mod disseminated Cp. Thin qtz + sid + chl veins host mostly fine masses of fine grained Py with halos of disseminated Po
Gabbro [Qtz-0, Plag-20, Kspar-0, Mafics-80] Dark green-grey to black fine to very fine equicrystalline. Elongated black euhedral to subhedral amphibole phenocrysts in a pale grey-green plagioclase and mafics matrix. Almost no chlorite and cal. ~20% phenos to matrix.	Very weak pervasive chl + cal alteration of matrix material only. Fine laths of bt mixed with disseminated Po at contact of sediments and sill.	1 cm thick smoky grey qtz with white sid hosting fine granular semimassive Py and med grained cubic Gn. Diss Po and semimassive Po at the contact of the sill.
Siltstone (40) Argillite (30) Quartzite (20). Med to thinly mod bedded locally med well laminated. Med to dark grey locally pale yellow. Moderate amount of soft sediment deformation in the form of gouge marks, load casts, rip-up clasts and wave ripples. Speckled white calcite in coarse grained beds and dark chlorite replacement of gypsum.	Mod to locally strong silicification. Strong silicification associated with healed chl fractures that are also locally abundant.	Several thin veins of qtz + lesser siderite with massive fine to med grained cubic Py with fine bleby Gn. Trace Cp. Dendritic fine black grey sulphosalts (tetrahedrite or jamesonite).
Siltstone (50) Argillite (40) Quartzite (10). Med to thinly well bedded locally med well laminated. Med to dark grey to yellow-brown. Abundant beds of soft brown yellow sericite alteration and chlorite speckled from gypsum replacement. Soft sediment features are abundant with gouge and fill and rip-up clasts. Calcite growth in coarse beds.	Mod to locally strong silicification associated with healed chl fractures. Strong pervasive chl alteration causing dark green colour with fine bt.	Disseminated to bleby Po that appears to be bedded.

PJX Resources Inc.

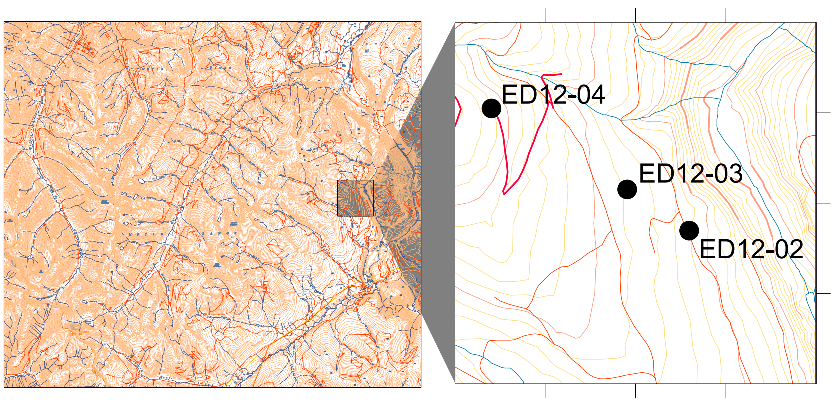
BAR AREA
EDDY PROPERTY
2012 Eddy Drilling Program
Fort Steele Mining Division

ED12-04

Commenced:	October 08, 2012
Completed:	October 11, 2012
Drill Contractor:	FB Drilling Ltd.
Logged by:	M. Seabrook
Logged on:	October 30, 2012
Sampled by:	J. Seabrook
Easting:	575203E
Northing:	5481524N
Elevation:	1620m
Core Size:	NQ
Azimuth:	NA
Dip:	-90°
Length:	255.71m

Flex-It Orientation Tests

Depth	Dip	Azimuth
12.79	89.4	192.2
61.97	89.9	188.0
111.15	89.4	076.9
160.33	88.8	071.5
209.51	88.3	042.3
258.69	87.5	057.5
275.08	87.3	029.7



Depth (meters) | Lithology: gabbro, overburden, diorite, casing, siltstone, silty argillite, quartzite, silty quartzite, breccia, argillite

Alteration: ser + chl, mus, bt, chl + ser, chl, ser, jar, jar + Mn, Mn, goe, sid + Mn, sid, Py, jar + sid, hem, jar + hem, sid + hem, hem + Mn, jar+sid+Mn, silica

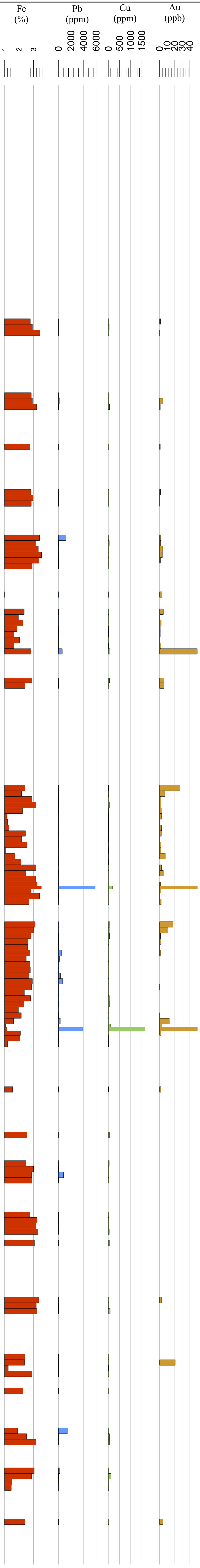
Structures: Angle to Core Axis 0 30 60 90; V, C, B, F, AP, Fo, Fr

Mineralization

Fe (%) 1 2 3 | Pb (ppm) 0 2000 4000 6000 | Cu (ppm) 0 500 1000 1500 | Au (ppb) 0 10 20 30 40

Depth: 0, 20, 40, 60, 80, 100, 120, 140, 160, 180, 200, 220, 240, 260

Lithology	Alteration	Mineralization
Casing.		
Siltstone (60) Argillite (30) Quartzite (10). Mixed lithologies with abundant fractures and rough breaks between lithologies with weathered faces suggesting boulders. Breaks look more like bedrock after 8.23. Light brown yellow to dark grey with slight green. Rip-up clasts and gouge suggest turbulent deposition.	Fracture controlled Fe carbonate alteration in mod density. Some minor chl crystals replacing selenite (gypsum). Most of the core has been softened by pervasive ser alteration. In some cases, fine white muscovite crystals can be seen. Silicification associated with qtz veining and accompanied by chl clots and Fe carbonate halos.	Surface weathering of Fe carbonate and possibly Fe sulphides has produced an abundance of jar and hem in fractures, veins and disseminated in host. Thin extensional qtz vein smoky grey hosts Py and produces silicification.
Siltstone (40) Argillite (40) Quartzite (20). Med to thick mod bedded. Pale brown-yellow tinge from fracture controlled alteration. Some green-grey to blue-grey strongly gouged beds.	Mod fracture controlled Fe carbonate alteration with ser pervasive turning rock pale brown. Fe carbonate is also spotty. Silicification associated with a vein. Silicification and pyrolusite fern growth around 8cm fault.	Very fine rare specks of weathered disseminated Py. Irregular qtz + hem veins parallel Fe carbonate fractures. Some veins are layer parallel with strong jar + hem staining.
Siltstone (50) Argillite (50) mod dolomitic. Med to thinly well bedded finely well laminated. Dark grey to black locally pale green-yellow and mauve tinged in silicification zones. Very quiet sedimentation, only minor flow textures in coarser grained units.	Mostly unaltered. Possible very weak pervasive ser softening core. Spotty chl replacement of selenite (gypsum). Low density and weak fracture controlled cal alteration. Disseminated and laminated sulphides. Silicification and speckled to spotty cal associated with healed chl fractures.	Disseminated to bleby Po occurs throughout interval but becomes more bedding parallel lower in the interval. Laminations of Po + Py are magnetic. Laminations are up to 0.5cm. Thin calcite + qtz + chl are in regular orientations to core and rarely host Po.
Siltstone (50) Argillite (40) strongly dolomitic. Med to thin to very thin well bedded fine well laminated. Med to dark grey with brown tinge in dolomitic laminated beds. Locally faint yellow-green from alteration. Fairly quiet sedimentation, with minor gouge marks and lensy (wavy) laminations. Graded bedding and marker style laminations Interrupted by intervals of turbidites.	Mostly unaltered. Possible very weak ser softening of the sediments. Speckled cal throughout (could be bedded). Silicification and healed chl fractures with speckled chl and matrix cal.	Disseminated and bleby Po + Py forming thin laminations and rarely bedding parallel veins. Thin cal veins. Irregular and discontinuous host rare Po + Py and chl. A single 2cm qtz + cal + sid vein with chl plated margins hosts fine Py + Sp + Gn developed along qtz crystal faces and within chl margins.
Siltstone (50) Argillite (50) Very weakly dolomitic. Med to thin to very thinly bedded fine well laminated. Med to dark grey locally pale to dark green or pale yellow from alteration. Finely laminated quiet periods interrupted by fine silty turbidites with minor sedimentary fragmentals. @ 71.35m is a conglomerate bed ~1 cm thick with clasts of rounded black argillite. Minor gouge marks and angular rip-up clasts .	Three zones of silicification, speckled to pervasive. Chl alteration and chl healed fractures and speckled to patchy cal. Deepest zone is strongest alteration and has qtz sulphide vein associated with it. Qtz fracture zone in sub-stockwork of 90% host rock. Fracture controlled ser alteration. Several beds have been altered to pale yellow-brown ser alteration. Qtz fracture zone in sub-stockwork of 90% host rock. Fracture controlled ser alteration. Several beds have been altered to pale yellow-brown ser alteration. Stockwork vein zone. Weak beige tinged sediments suggests weak pervasive ser alteration.	Disseminated to laminated Py + Po. Po is magnetic. Laminations in fine grained argillites and disseminated in coarser siltstone. Qtz + cal stringer veins with rare Po or Py. Irregular and pinching out. Low angle qtz + chl vein in silicification alteration zone hosting massive granular Po (magnetic) and Py mixed with chl along vein margins. Low angle to irregular smokey grey qtz + white cal + beige siderite with dark green chl (not along margins) veins in zone hosts Py cubes with fine Gn and brown sphalerite. Py developed along bedding and could be remoblized.
Siltstone (70) Argillite (20) Quartzite (10) mod dolomitic. Med to thickly mod to poorly bedded locally thinly bedded. Dark green to med yellow-grey originally med to dark grey. Mostly turbulent silty beds with minor to no marker style laminated beds. Gouge marks and rip-up clasts (fragmentals) rare. Bedding is obscured by alteration.	Almost the entire interval is strongly silicified and pervasively chl altered including healed chl fractures. Alteration is associated mainly with polymetallic sulphide+qtz veins with lesser amounts of cal (both vein hosted and speckled). Irregular blotchy cal concretions in black matrix.	Disseminated to laminated Py + Po and hosted in rare layer parallel veins. Several qtz + sid veins from 2mm-3cm hosting chl and sulphides. Mostly cubic Py and bleby Po, but in some cases Cp and in one vein at 93.80 hosts all of the above + Gn. Qtz is white to smokey grey. Veins are cut by mod angle qtz + sid irregular stringers but in some cases merge, suggesting syntectonic formation.
Siltstone (60) Argillite (40) very weakly dolomitic. Med well bedded localy thinly well laminated. Med to dark grey locally bleached to pale yellow-grey and minor green. Only very few lengths of quiet sedimentation, mostly silty interbeds with gouge marks and load structure. Some rip-up clasts also sedimentary fragmentals @ 121.70.	Rock is slightly tinged to grey-yellow and is soft. Probably a weak ser alteration. Silicification and speckled to pervasive chl with healed chl fractures associated with qtz + cal vein. Speckled chl as replacement of selenite (gypsum).	Disseminated and laminated Py and bleby Po. Very low angle qtz + cal + chl veins with surrounding silicification and chl alteration. These veins commonly host Py + Po as bleby masses and cubic Py. Mod angle qtz + sid veins with irregular margins mostly <1cm and host Py + Gn + Sp with rare black sulphides and graphite.
Siltstone (60) Argillite (40). Med mod bedde locally med well laminated. Pale yellow-grey from alteration. Originally med to dark grey black. Mod to strong soft sedimentary deformation and fragmentals with large <3 cm clasts, rip-up clasts, deep gouges and an abundance of silty material.	Patchy pervasive silicification overprinting ser +/- Fe carbonate alteration. Alteration is associated with multiple phases of hydrothermal veining including a late-phase vuggy vein. Some minor platy chl occurs along fracture plane with some minor graph. Core fractured to rubble by vuggy veining.	Very limited disseminated to bleby Py + Po in coarse unaltered sediments. Very low angle qtz + sid + chl veins in alteration zones hosting fine cubic Py and Sp. Veins are commonly less than 1cm. Mod to low angle vuggy qtz + sid veins host bleby Py. Veins can be brecciated hosting angular fragments of wall rock. These veins bifricate and truncate. Could be stronger versions of common qtz + sid veins.
Siltstone (20) Argillite (80). moderately dolomitic from 143.98 to 161.29. Med to thin to very thin well bedded finely well laminated. Med to dark grey black locally rare pale yellow tinged beds. Weak soft sedimentary deformation with rip-up clasts in upper part of the interval. Quiet sedimentation in dolomitic unit.	Qtz vein layer parallel with strong sulphides. Massive white qtz. Not alteration but dolomitic finely laminated unit.	Disseminated to bleby to laminated Py or Po. Po occurs below 20cm vein but ends at dolomitic unit. Cubic disseminated Py occurs above 20cm qtz vein. 20cm vein is coarse white qtz with pale green-yellow crystal growth margins (chl). Fragments of host rock are included and aligned to vein orientation. Fine pale yellow-beige sid occurs in the center of the vein. Coarse massive blebs of Sp are hosted in qtz with med grained cubic Py masses and fine dendritic to semimassive Gn. Combined sulphides ~10% of vein. Other veins have similar composition though much thinner.
Siltstone (60) Argillite (40). Med to thin mod bedded locally med poorly laminated. Pale yellow-green-grey colour from alteration. Original colour is med to dark grey to black. Some strong soft sedimentary textures including rip-up clasts and deep gouges. Coarse clastic sedimentary fragmental. Fine sericite speckling in black argillaceous beds.	Patchy to pervasive ser + chl +/- Fe carb alteration throughout interval, although some zones seem unaltered. Ser healed fractures and also chl concretions >1cm. Silicification due to strong, non-polymetallic veins (May have Py) especially where healed veins occur. Polymetallic qtz vein.	Bleby and disseminated to weakly laminated Py. Polymetallic qtz + sid + chl veins are the same as in previous interval with the exception that none are layer parallel and the thick one hosts fine bleby Cp. Fine stringers of qtz + sid in alteration zones sometime host bleby Py.
Siltstone (60) Argillite (40). Med to thin poorly bedded locally finely well laminated below alteration. Alteration is pale yellow-green-grey. Med to dark grey to black unaltered sediments. Mod gouge marks and rip-up clasts but mostly silty graded turbidites. Weak turbulent flow. Interval is highly fractured.	Patchy to pervasive ser + chl +/- Fe carb alteration. Includes ser healed fractures and chl concretions. Silicification associated with stringer veins and vein breccia.	10 cm qtz + ser + wall rock breccia with bleby and disseminated Py with vuggy margins may be related to vuggy veins and ser + chl alteration. Fine qtz + sid stringers in alteration zone.
	Patchy to pervasive chl alteration with healed chl fractures in overprinting silicification. Minor ser alteration only at top of second interval. Alteration is associated with very low angle qtz + chl +/- Py + Po.	Bleby to disseminated to laminated Py +/- Po only in unaltered sediments. Layer parallel smokey white qtz with patchy coarse siderite. Sulphide composition is mainly Py with Po + Gn + Sp also common. All veins in interval are indicated in structures. Veins are <1cm. Very low angle irregular and discontinuous >1cm qtz + chl +/- Py +/- Po associated with silicification and chl alteration.
Siltstone (60) Argillite (40). Med to thin mod bedded locally fine mod lamlaiminated. Med to dark grey-black locally pale yellow to dark green due to alteration. Turbulent sedimentation with rip-up clasts and compressed fragmentals with 1 cm size (long axis) clasts. Some strong gouge marks.		
Siltstone (40) Argillite (60) strongly dolomitic. Med to thin well bedded finely well laminated. Med to dark grey to black. Extremely quiet sedimentation interrupted by thick sequences of graded siltstone. Some sections of wavy calcite rich laminations could be stromatolites. Almost entirely unaltered.	Not altered although some intervals are more dolomitic than the rest. Other intervals do not effervesce with acid.	Mod to strong layer parallel bleby sulphides to fine laminated lenses of Po +/- Py. Strongest laminations tend to be with calcite. Layer parallel smokey grey to translucent qtz with coarse sid and no vugs. Host different composition of sulphides but common varieties are Po + Py + Gn + Sp +/- Tet? Semimassive to bedded Po ~ 4cm thick with turbulent bedded host rock (~70% host) and white qtz veins in hangingwall contact with Cp. Cubic Py developed along bedding in cal fracture zone.
Siltstone (60) Argillite (20) Quartzite (20) Med to thin mod bedded locally med wavy mod laminated only in unaltered zones. Originally light to med grey to black but altered to dark green or pale yellow patchy green-grey. Wavy to gouged bedding with sedimentary fragmentals and rip-up clasts from turbulent sedimentation. Most sedimentary features are obliterated by alteration.	Silicification accompanied by chl healed fractures or chl concretions. Stronger alteration zones have ser overprinting chl with the same healed vein to vein halos. Silicification overprints all other alteration. Muscovite speckled replacement of selenite (gypsum).	Disseminated to layer parallel laminations of Py +/- Po can be bleby. Not developed in alteration. Abundant mod angle qtz + sid veins. Veins in alteration do not commonly host mineralization but outside can host bleby to semimassive Py and lesser Po. Layer parallel shears and layer parallel fault gouge breccia host fine Py in gouge and qtz. Vuggy vein hosts fine cubic Py. Translucent smokey grey qtz and fine sid hosts Gn + Sp + Py.
Siltstone (30) Argillite (70) strongly dolomitic. Med to thin well bedded thin well laminated. Light to dark grey with brown tinge due to calcite content. Mostly quiet sedimentation with marker beds at top of interval and very little soft sedimentary deformation. Wavy to irregular bedding with high calcite content could be stromatolites.	No alteration except for primary cal from stromatolites? Low angle mineralized vein.	Diss to laminated Po + Py. Developed into 1cm semimassive laminations. Bedding parallel smokey translucent grey qtz vein hosting Py + Sp + Cp near 0 AtC vein. Low angle qtz smokey translucent grey and beige to brown sid hosting Po + Py + Cp + Sp + Gn running along the length of the core for ~2m. Other veins with similar mineralization also occur in interval. Vein continues into next interval.
Siltstone (60) Argillite (30) Quartzite (10) weakly dolomitic. Med poorly bedded locally fine weakly laminated. Med to dark grey locally green tinged in alteration. Some gouge marks and rip-up clasts. Weak sedimentary fragmental and graded silty beds indicate weak turbulent flow.	Silicification overprinting chl healed fractures or chl concretions and one zone completely bleached by ser in middle interval. Low angle vein extending into interval.	Disseminated to laminated Py or Po occurs only in unaltered zones. Layer parallel translucent smokey grey qtz veins with beige to brown sid host Py + Gn +/- Sp. Only two <1cm veins in interval. Low angle qtz + sid vein from previous interval. Some Py stringer veins are rare and appear to be related to laminated sulphides.



Appendix 4: Diamond Drilling Complete Logs

Location From	To	Lithology Description	Structure Description	Location	Type	AtoC
6.1	23.06	Siltstone (30) Argillite (70). Med to thin to very thinly well bedded locally finely well lam. Light to med grey minor black blue, slight yellow tinge- possibly Iron oxide staining. Thin beds are not markers but fine turbidites with gouge marks, cross beds and graded bedding. Interrupted by med beds of turbulent siltstone.	Disseminated to layer parallel sulphides wear moderate angle Iron oxide fractures. Some are layer parallel and were probably sulphide lams originally, others cut bedding. 2 cm bed parallel sulphide rich fault gouge with chl.	10.67 11.33 11.74	B V F	65 35 65
23.06	34.09	Siltstone (40) Argillite (60). Thin well bedded finely well lam. Med grey blue with localized beige yellow from alteration. Very thin turbidite sequences with basal gouges and graded beds of silty argillite.	Disseminated to blebby layer parallel sulphides mostly in coarser sediments. One thin cal layer parallel vein with Po. Mod angle vuggy qtz + Fe carb + ser associated with ser alteration. Thin graphitic fracture in ser alteration zone with a blebby grain of Sp.	23.06 32.7 24.33 24.45	B V V Fr	50 60 40 60
34.09	62.55	Siltstone (60) Argillite (40). Med to thickly mod bedded locally thinly bedded. Med to dark grey-yellow-beige locally.	Disseminated to blebby bedding parallel lam sulphides and minor layer parallel <1 cm + chl + cal veins hosting sulphides.	35.86	B	60
41.23	46.28	Siltstone (30) Argillite (70). Thinly bedded interval with lam sulphides. Same weakly turbulent sedimentation as previous interval but alteration zones obscure bedding. Thicker beds of Siltstone are more common. Irregular bands of blue grey coarse Limestone aligned with bedding but with very irregular contacts. Could be an alt- only makes up 2% of rock.	Very low angle + cal veins associated with silicification alteration zones. 1 cm layer parallel shear fault gouge in ser alteration thin bedded sediments.	42.79 37.45 49.46	V V F	60 20 60
62.55	73.9	Siltstone (70) Argillite (20) Quartzite (10). Thick poorly bedded locally finely weakly lam. Med grey, slight green in alteration zones. Semi-massive Siltstone beds with very faint lithological changes where visible beds are very wavy and gouged and possibly folded because bedding is at lower angle to core.	Almost no bedding parallel veins or sulphides. Low to very low angle qtz + cal veins in silicification + chl + cal alteration zones. Fine qtz fractures with coarse blebs of Py developed in deflections. 'S' or 'Z' fold in alteration zone is very difficult to see but appears to have axial planes that are parallel to one another.	64.32 63.88 68 70.85 71	B V B V AP	55 15 30 30 60
73.9	93.77	Siltstone (50) Argillite (50). Thin mod bedded mostly thickly bedded Silts from 85m down finely well lam in Arg. Med to dark grey locally pale yellow or green in alteration zones. Fine gouges and wavy bedding in thin bedded rocks. Highly disturbed beg in thick Siltstone bds. Cross-beds suggest B-E turbidites (low energy). Cross beds are 'RWU'. [PHOTO]	Disseminated layer parallel non magnetic Po and Py layer parallel veins of qtz + sid host Py and minor Gn associated with ser alteration. Low angle qtz + cal + chl veins associated with silica chl + cal alteration zones.	75.21 76.43 88.15	B V V	70 60 10
93.77	109.48	Siltstone (30) Argillite (70). Thinly well bedded finely well laminated. Dark grey to black with slight brown tinge from sulphides. Some wavy beds and gouges and graded bedding.	Strong laminated and disseminated layer parallel blebs of Po. Some lams are more like veins with cal along margins. Irregular fine granular Py stringer fractures deflecting through layering. Low angle qtz + cal + chl veins associated with silicification + chl alteration zone. Weak bed parallel Po. No lams as previous interval.	93.88 98.31 101.64 108.52	B V V B	60 30 10 60

109.48	117.82	Siltstone (70) Argillite (30). Med to thickly mod bedded locally med poorly lam. Med grey to black with slight brown to green tinge in alteration. Wavy bedding and gouge marks and lenses of dolomitic mud indicates low energy turbidites.	Low angle qtz + cal + chl veins common to alteration zones are less common in the interval.	110.67	V	30
117.82	121.63	Siltstone (50) Argillite (50). Med-poorly bedded. Med to dark grey. Only a small section of host rock is visible. The rest of the interval is dominated by qtz + cal + chl veins. Silstones with rip-up clasts of argillite and wavy bedding contacts.	Low angle qtz + cal + chl veins merge into high angle thick vein of the	120	B	60
			same style.	119.7	V	10
			High angle vein is ~ 1.5m thick.	118.11	V	60
			Fine irregular very low angle Py fractures.	119.82	Fr	0
121.63	135.45	Siltstone (50) Argillite (50). Med poorly bedded locally med well laminated otherwise poorly laminated. Med to dark grey. Dark green yellow around and in shear. argillite fragments hosted in thick Siltstone beds.	Weak disseminated to lam Py.	124.06	B	55
			Fine Py fractures contributing to stronger fracture of core. Fracs are irregular.			
			Mod to high angle white qtz + sid veins, some of which are vuggy. All are <1 cm.	132.35	V	45
			~40 cm true width chl + ser + qtz + Py shear zone. Also probably has graphite. Appears to be layer parallel.	130.38	F	55
135.45	148.05	Siltstone (70) Argillite (30). Med-thickly poorly bedded locally weakly finely lam in argillaceous beds. med grey with minor dark grey beds. Cross-bedding (RWU) black mud lenses and graded bedding suggest low energy turbidites. Interval is dominated by alteration.	Thick low angle qtz + cal + chl vein. The type commonly associated	163.43	B	60
			with silicification.	137.85	V	5
			Low angle qtz + biotite vein not seen before vein is <1 cm thick and does not have associated alteration.	140.57	V	20
148.05	171.67	Siltstone (60) Argillite (40). Med to thinly well bedded locally thin well lam in argillite beds. Med to dark grey. Locally dark green, pale yellow, green, or even mauve. Bedding is very wavy, gouged and graded. Low energy turb.	Bedding parallel Po as blebby lams to massive Po lams.	148.1	B	60
			Also layer parallel qtz + sid veins with sulphides. Vein is ~1 cm thick.	148.08	V	60
			Low angle cal + chl fracture that are normally healed are broken open, even though silicification remains in host.	165.64	Fr	10
171.67	192.28	Siltstone (70) Argillite (30). Med poorly bedded locally finely weakly laminated. Med to dark grey. Local green tinge in alteration or yellow brown when ser present. Strong flame structures and mud lenses. Common siltstone is graded. Some weak fragmental. Low energy turbidites layer parallel 'beds' of blue cal in unaltered sediments. Not concretions, not laminated. Very rare.	Very weak laminated sulphides.	171.67	B	60
			Low angle partly healed irregular cal stringers associated with silicification and chl healed fracture.	173.19	V	5
			Layer parallel qtz + sid veins hosting minor sulphides. Veins are <1 cm and rare. More common ser alteration.	171.82	V	60
			Very low angle fractures filled exclusively with sulphides.	177.2	V	0
192.28	206.32	Siltstone (30) Argillite (70). Med to thinly well bedded finely well lam. Med to dark grey to black locally green and mauve tinge in alteration zones. Very low energy turbidites with slight gouges of alteration tops.	Mod layer parallel sulphides and layer parallel veining of qtz + cal.	193.33	B	60
				193.41	V	60
			Fine irregular Py stringers fracturing core at low angles.	197.46	Fr	30
			Low angle cal stringers associated with silicification zones.	201.33	V	5
206.32	223.12	Siltstone (60) Argillite (20) Quartzite (10). Med to thickly mod bedded locally thinly poorly lam. Med to dark grey locally mauve to green tinge in alteration. Coarse units of sandy matrix with elongated mud clasts turned lenses. Turbulent flow textures and graded bedding and gouge marks.	Layer aligned blebs of sulphides and rare veins along bedding. One	289.83	B	65
			vein is coarse Iron carb with Py + Gn + Cp near Arg-Quartzite contact. Vein is not layer parallel but similar veins that bifurcate from it are.	290.74	V	40
			Low angle qtz + cal + chl veins are associated with silicification and range from mm to <1 cm.	210	V	5
			Very low angle extensional sulphide fractures originated at bed	220.67	Fr	0

			contacts and pinching out quickly.			
223.12	242.27	Siltstone (20) Argillite (30). Thinly well bedded finely well laminated. Blue dark grey to black. Some brown where disseminated sulphides are. Very low energy turbidites. Fine gouge marks and faint load casts.	Strong layer aligned to thin massive lam of sulphides. Some lams have qtz +/- cal along margins suggesting veins are present.	223.13 224	B V	60 65
			Fine sulphide fractures are uncommon deflecting in coarse beds mostly at low angles.	225.66	Fr	30
			Extensional fracture of sulphides parallel to core axis originating at bedding planes and pinching out quickly.	241.9	Fr	0
242.27	264.93	Siltstone (50) Argillite (40) Quartzite (10). Med poorly bedded locally fine, poorly lam. Med grey ABDT alteration leaves core looking green and slightly mauve in patches. Coarse clastic sediments with graded bedding and gouge marks and lensy Argillite fragments suggest turbulent sedimentation, mostly obscured by alteration.	Very weak disseminated sulphides in Argillite bed, none in alteration zones.	244.38	B	65
			Low angle qtz + cal + chl veins <1 cm thick are associated with silicification.	248.6	V	10
			Irregular Py fractures and extensional core parallel sulphide fracture also present.	257	Fr	0
264.93	293.36	Siltstone (50) Argillite (50).Med-thinly mod bedded locally thin well lam in argillite. Med grey to black. Some zones of green or mauve tinge due to alteration. Thin intervals of quiet sedimentation interrupted by thick Silt bed. Both of which are too thin to be their own intervals.	Diss-Lam Po in argillaceous units. A single thin layer parallel qtz + sid vein host minor sulphides occurs at 282.91.	267 282.91	B V	65 60
			Low angle qtz + cal + chl veins associated with alteration zones are ≤1 cm.	275.53	V	5
			Common two fracture types, Py fractures and extensional sulphide fractures. Fracture sets may be related.	282.73 283.06	Fr Fr	20 0
			cal + ser fracturestockwork ~ 20 cm (10 cm TW) is likely a low angle feature 90% wall rock fragments 10% cal + ser cement.	291.7	Sx	25
293.36	305.95	Siltstone (50) Argillite (50). Med-thin mod bedded locally thin well lam in Arg. Med grey to black. Green and mauve tinge in alteration.Short-lived intervals of quiet sedimentation and turbulent sediments similar to previous interval.	ser + cal fracturing sub Sx with minor sulphides 2 cm.	300.52	B	60
			Cemented breccia or the same style at low angle.	295.25	breccia	20
			Layer parallel 1 cm qtz vein.	296.6	V	55
			Same two fracture types as previously mentioned.	305.55	Fr	15
				301.55	Fr	0
305.95	310.67	Siltstone (50) Argillite (50) FAULT! Med to thinly mod bedded locally finely well lam in Arg. Dark grey to pale green grey. Most of the original sedimentary textures are obliterated by strong fracturing of the core and alteration. Major fault zone.	Bedded to disseminated Po only in short section of unfractured and unaltered sediments.	306.35	B	55
			High angle qtz + cal + chl veins without silica.	305.95	V	80
			Alteration zone alteration top and bottom of interval from 2-5 cm thick host sulphides. Veins are composites of several phases, both extensional and shear related.	310.6	V	80
			Fragments of wall rock cemented by cal + chl + ser in a fault breccia ~2 m thick fracture within zone suggest a mod angle to core could be layer parallel.	308.6	F	55
310.67	322.16	Siltstone (70) Argillite (30). Med weakly bedded thin poorly lam. Dark grey green to pale green beige. Fracture zone dominated by alteration and fine fracture Orifinal sedimentary structures have been obliterated.	Fine cal + ser + chl fracturing in irregular orientation healed by silicification in silica + cal + chl zones suggesting older than silicification.	312.61 313.7	B Fr	70 30

			Low angle qtz + cal + chl veins commonly associated with silicification zones.	320.15	V	10
322.16	344.6	Siltstone (50) Argillite (50). Med poorly bedded thin poorly lam. Pale grey green to black. Some pale beige brown in ser alteration zones. Original sedimentary structures partly obscured by alteration. Flame structure, gouge marks are common in visible bedding. Low energy turbidites.	Very low angle qtz + black chl + strong cal vein hosts polymetallic sulphides. Pinches out down hole and is <1 cm. Mod angle qtz + sid + chl vein <1 cm hosts similar polymetallic sulphides and has ser alteration halo. Low angle qtz + cal + chl veins <1 cm related to silicification. Common two sulphide fracture types look more related now than ever.	331.32 324.65 327.76 328.77	B V V V	55 10 35 20
344.6	358.8	Siltstone (60) Argillite (40). Med mod bedded locally thin mod laminated. Dark grey to black locally yellow beige from ser alteration. Sed structures are difficult to distinguish due to alteration and rung core. Where visible weak sedimentary fragmental, gouge marks or wavy beds suggest weak turbulent sedimentation.	Disseminated to fine bed aligned blebs of Po in lower part of interval below alteration. Two thin (< 1 cm) qtz + sid veins with ser alteration in surrounding beds. Low angle qtz + cal + chl veins associated with silicification zone are very thin in this interval.	349.89 350.9 351.4 354.28	B V V V	65 70 70 5
358.8	377.32	Siltstone (60) Argillite (20) Quartzite (20). Med to thickly poorly bedded. Light to med grey with slight green tinge in alteration.Fracture and alteration obscure original texture. Sandy Quartzite and sedimentary fragmental (Matrix supported angular fragments) flames, load casts all suggest mod turbidites.	Mod angle cal + Black chl vein truncated by chl fracture. Sulphides are present in host but not in vein. cal + ser fracturing in various orientations common mod-low angles. qtz + cal + chl veins common to silicification alteration zones. Much thinner than observed. Common two types of sulphide fracturing.	368.1 362.56 374.28 366.47	V Fr V Fr	50 25 25 25
377.32	394.31	Siltstone (60) Argillite (30) Quartzite (10). Med mod bedded locally thinly bedded Argillite with thin faint lams. Med grey to black with green to mauve tinged alteration in silicification and yellow beige tinged in ser alteration.Interbedd Siltstones and Argillite of various thicknesses. Some contacts have gouge marks and ripup clasts, Siltstones are commonly graded. A thick unit of fine lam Argillite hosts disseminated cubic Py.	Disseminated and bedded sulphides. Some minor layer parallel veining. One large layer parallel white qtz + intercrystalline cal + chl + Py is located below graphitic vein is 12 cm thick. Very low angle thin qtz + cal veins associated with silicified alteration zones. Two common types of sulphide fractures at very low angles to core to core parallel.	380.37 383.12 386.7 381	B V V Fr	65 70 15 0
394.31	410.6	Siltstone (60) Argillite (30) Quartzite (10). Med to thickly poorly bedded thinly bedded Argillite with thin mod lam . Light grey to black with green + mauve tinge and pale yellow beige alteration colours. Minor sedimentary fragmental, flaser bedding, gouge marks suggest low energy turbidite sequence. Alteration obscures a lot of sediment features.	Trace disseminated Py. One layer parallel vein qtz + sid hosting polymetallic sulphides and associated with ser alteration of beds. Vein is <1 cm. Very low angle qtz + cal + chl vein associated with silicification zones. Veins are up to 1 cm. Fine core parallel sulphide fractures.	396.91 396.92 407.8 399.64	B V V Fr	65 65 10 0
410.6	420.5	Siltstone (50) Argillite (40) Quartzite (10). Med to thinly modd bedded thinly well lam in Arg. Med grey to black locally patchy green and mauve tinge in silicification and some minor pink hues. Weak gouge marks and lenses of Argillite mud in Siltstone suggest low energy Turgidities.	Diss-Lam Po some forming mm-size lenses of massive Po. Thin layer parallel cal veins often occur with strong Po mineralization. Low angle qtz + cal + chl veins associated with silicification alteration zones.	410.92 412.53 412.95	B V V	70 70 10

			Common sulphide fractures at low angles to parallel with core axis. Fractures pinch out quickly.	414.39	Fr	0
420.5	447.42	Siltstone (30) Argillite (70). Med to thick bedded very finely lam in Arg. Light grey to black. Some patches of green to mauve. Top of interval is near massive black muds suggesting quiet sedimentation period. Lower half is interbedded Siltstones with weak turbulent flow textures and sedimentary fragmentals.	Layer parallel sulphide laminations and minor cal veins.	421	B	70
			qtz + cal + chl veins associated with silicification <1 cm.	436.38	V	5
			Common sulphide fractures at very low angles to core parallel.	434.55	Fr	0
			Thin layer parallel shear (2 cm) with Py ang graph and shear qtz.	420.81	F	70

Alteration					**Mineralization**			**Sulphides**		
From	**To**	**Description**	**Min**	**Int**	**Description**	**Type**	**Dens**	**Style**	**Min**	**Int**
19.41	20.42	Silicification overprinting healed chl fractures observed in other holes.	silica	S	Blebby to disseminated Po wear and bedded.			Disseminated	Po	W
			chl	M	Extensional fractures filled with microcrystalline qtz and fine-grained blebby masses of Po.	String	VL	Vein host	Po	W
					Granular cubic Py grains in gouge of fault with chl.	Gouge	VL	Vein host	Py	W
24.05	24.7	Bleached to pale yellow pervasive and vein halos of ser.	ser	S	Blebby to disseminated to lam fine Po common to thin bedded turbidites but absent from alteration zones. Some brown sulphide could be tarnished Po or Sp. Remobilized by stringer fractures.			Disseminated-lam	Po +/- Sp	M
		Halos coming off of qtz + Fe carb + ser veins that are vuggy.			Low angle fractures with fine Py.	Frac	L	Frac cont	Py	W
25.64	26.12	Silicification overprinting healed chl fractures and irregular blue grey cal patches up to 10 cm	silica	S	Mod angle graphitic fractures in ser alteration zone hosts fine Sp.	Frac	VL	Frac cont	Sp	VW
27.84	27.97	diameter.	chl	M						
33.34	34.09	Slight purple hue to host rock.	cal	M						
34.09	38.13	Silicification overprinting chl healed fractures and chl concretions. Strong cal concretions in alteration zones. Also or patchy sometimes speckled cal. Very low angle qtz cal veins,	silica	S	Disseminated to blebby lam Po mostly developed in thin bedded sediments and absent in alteration zones where fine bedded sediments are ser altd sulphides are predominantly Py.			Disseminated + Lam	Po +/- Py	W
38.92	39.24	possibly driving alteration.	chl	M	Layer parallel qtz + sid veins host Py.	Veinlet	L	Vein host	Py	M
46.7	47.85		cal	S	Layer parallel qtz + cal + chl veins host Po.	Veinlet	L	Vein host	Po	M
49.14	49.93	Pervasive and vein halos of ser alteration often with silica + chl alteration. Occurs more commonly in thin bedded sediments and does not obliterate bedding. Possibly associated with qtz + Fe carb veins layer parallel host Py. Some cut bedding.	ser	M	Very low angle qtz + cal veins in silicification + chl + cal alteration zones has fine Py blebs along margins.	Vein	L	Vein host	Py	W
62.55	64.76	Silicification overprinting healed chl fractures and commonly has patchy to speckled cal that	silica	S	Very weak disseminated Py in unaltered rare thin bedded intervals			Disseminated	Py	VW
69.19	73.9	appears to be aligned to relict bedding.	chl	M	Fine irregular fractures hosting blebby Py in deflections fractures are filled with cal +/- qtz.	String	VL	Vein host	Py	W
			cal	M	Low angle qtz + cal +/- chl veins in silica alteration zones host only minor amounts of Py.	Veins	L	Vein host	Py	VW
73.9	74.56	Yellow brown pervasive ser alteration strongest in silty beds with cross beds and are associated with	ser	S	Disseminated to lam layer parallel Po or Py.			Disseminated-Lam	Po +/- Py	W
75.74	76.47	layer parallel qtz + sid veins.			A few (3) <1 cm layer parallel qtz + sid veins	Veinlet	L	Vein host	Py	M
76.47	77.12	Silicification overprinting healed chl fractures and	silica	S	hosting mainly Py blebs and trace Gn and			Vein host	Gn	VW
86.03	88.65	associated with low angle qtz + cal veins. Only	chl	M	fragments of wall rock. Margins have chl					
92.36	93.77	limited cal present in alteration. Some ser	cal	W	slickenlines and qtz is not extensional suggesting					
		bleaching in bottom of lowest alteration interval.	ser	M	shear vein.					
101.44	101.86	Silicification overprinting chl healed fractures and speckled to patchy cal alteration is associated	silica	S	Disseminated-lam Po is strong in this interval with fine massive lenses of Po about 2 x 2mm lams per			Disseminated-lam	Po	S

		with low angle qtz + cal +chl veins.			1 cm. Po is magnetic and conductive through lam. [PHOTO]					
			chl	W	Stringer Py fractures are irregular deflecting through bedding.	String	VL	Vein host	Py	W
			cal	M						
93.77	99.61	Strong lam Po.								
99.61	105.86	Strong-mod disseminated-blebby Po.								
109.48	114.84	Silicification overprinting chl healed fractures with weak speckled cal. Alt is associated with low angle qtz + chl + cal veins.	silica	S	Weak disseminated to blebby Po.			Disseminated-lam	Po	VW
			chl	W	Thin <1 cm qtz + cal + chl veins associated with silicification alteration zones.	Veinlet	VL	None		
			cal	W						
115.77	117.59	Euhedral cal crystals ~3 mm long speckled in Siltstone beds.	cal	W						
117.82	119.82	Core in these intervals is almost entirely qtz + cal + chl veined. Host is silicified with chl healed fractures with very weak patchy cal. Vein host significant platy cal and med grained green to black masses of chl.	silica	VS	No disseminated Po or Py.					
120.48	121.63		chl	S	Thick qtz + cal + chl veining hosting fine to blebby masses of non-magnetic Po.	Vein	VS	Vein host	Po	M
			cal	VS	Very low angle Py fractures in unaltered zone.	String	L	Vein host	Py	M
121.63	123.42	Silicification overprinting chl healed fractures with patchy Calcite concretion ~7 cm in diameter.	silica	S	Weak layer parallel blebby Py.			Disseminated-lam	Py	W
128.05	134.95		chl	M	Fine Py fractures.	String	L	Vein host	Py	W
		Low angle qtz + cal veins.	cal	M	Irregular blebby and lenses of Py in shear zone in host rock and shear planes not in qtz veins.			Shear host	Py	M
130.38	131.14	chl + ser pervasive alteration associated with strong qtz	ser	M	Regular oriented qtz + sid veins with vugs but no visible mineralization.	Veinlet	M	None		
		chl + Graph layer parallel shear.	chl	S						
131.14	133.8	Strong Iron carb in regular qtz veins and fractures in regular orientation (fractures cont).	Fe carb	M						
135.45	148.05	Silicification overprinting healed chlo fractures and large cal concretions to speckled cal. Concretions up to 15 cm across diameter. Some small zones are not alteration but most are.	silica	S	Irregular polymetallic bleb of sulphides appears to be a low angle fractures and lam of sulphides. Also has extensional fractures at right angle to bedding. Bleb is Py + Po + Ap.	String	VL	Vein host	Py + Po + Ap	W
			chl	W	Low angle qtz + cal + chl vein associated with silicification hosts only Py + Po.	Vein	M	Vein host	Po	M
			cal	M	Thin qtz + Bt vein may host fine Po.	Veinlet	VL	Vein host	Po	VW
137.3	140.57	Subhedral to euhedral cal grains up to 0.5 cm speckled to 3% of core.	cal	M						
148.05	151.23	Silicification overprinting healed chl fractures with smaller cal concretions and weaker cal in general. Some of this alteration is accompanied by ser (first interval) while others have mauve-pink hue.	silica	S	Weak layer parallel sulphides layer parallel smokey grey qtz with white sid host Py + Gn in trace amounts.	Vein	L	Vein host	Py + Gn	W
154.91	155.59		chl	W	Sp and Cp developed in thin white cal fractures.	String	VL	Vein host	Sp + Cp	W
158.6	158.84		cal	W	Soft Sed hosted bleb of Po + Ap developed with cal.			Sed host	Po + Ap	W
165.32	171.97									
173	175.27	Silicification overprinting chl healed fractures associated with low angle qtz + cal + chl vein.	silica	S	Disseminated to layer parallel blebs to laminated Po occurs only in unaltered sediments.			Disseminated-Lam	Po	W

177.2	183	Intervals are not entirely alteration but unaltered sections are <20%.	chl	W	Fine extensional fractures filled with Po +/- Py +/- Ap are possibly tectonic remob of lams. Ap found in a fracture at 171.78	String	W	Vein host	Po Py Ap	W
185.4	191.91		cal	W	Low angle qtz + chl + cal veins associated with silicification zones host Po in minor amounts, also Bt found in ABD in one vein.	Veins	M	Vein host	Po	VW
171.78	172.03	Brown yellow ser alteration of sed. Bedding preserved. Possibly associated with layer parallel veins (qtz + sid).	ser	S						
178.33	178.58									
171.67	192.28	Subhedral cal replacement of selenite (gypsum) occurs in some unaltered siltstones. Sometimes fine chl replaces gypsum instead.	cal	VW						
192.74	193.03	Silicification overprinting chl healed fractures.	silica	S	Blebby layering aligned to fine massive laminations ~2 mm of Po. Po is magnetic and conductive.			Disseminated-Lam	Po	M
201.27	203.93	First zone has very strong cal content in odd patchy weave-like pattern. Lower zone has two 5 cm diameter cal concretions.	chl	W	Layer parallel qtz + chl + cal vein hosts similar Po. Veins are ≤1 cm	Vein	L	Vein host	Po	M
			cal	S	Py stringer veins deflect through sedimentary layering. Almost entirely Py though <1 mm.	String	VL	Vein host	Py	W
209.82	210.45	Silicification overprinting healed chl fractures. Often with patchy cal or large up to 10 cm cal concretions. However only one concretion present in intervals. Associated with qtz + cal + chl veins with minor Po.	silica	S	Blebby layer aligned Po.			Disseminated-Lam	Po	W
214.22	215.5		chl	W	Fine irregular Py fractures.	String	L	Vein host	Py	W
217.45	218.11		cal	W	Mod angle qtz + sid vein hsoting Py + Gn + Cp is <1 cm and has minor ser alteration halo.	Veinlet	VL	Vein host	Py + Gn + Cp	W
219.27	221.8									
223.12	242.27	Minor speckled cal replacement or selenite (gypsum). No other alteration.	cal	W	Disseminated to blebby bedg aligned to massive thin laminations of Po. Po is magnetic and mass lam are conductive.			Disseminated-Lam	Po	M-S
					Fine Py fractures <1 mm in width.	String	VL	Vein host	Py	W
					Extensional fractures from bedding planes host blebby Po + Py.	String	VL	Vein host	Py + Po	W
242.27	264.93	Silicification overprinting chl healed fractures with weak speckled cal and cal concretions associated with low angle qtz + chl + cal veins hosting minor sulphides. Interval is not completely alteration (~70% alteration).	silica	S	Almost no disseminated-lam Po.			Disseminated-Lam	Po	VW
			chl	M	Low angle qtz + cal + chl veins host minor blebby Po and can have fine cubic Py disseminated halo. Veins are ≤1 cm.	Veins	M	Vein host	Po	W
			cal	W				Vein halo	Py	VW
					Irregular Py fractures are uncommon.	String	VL	Vein host	Py	VW
					Extensional fractures of Po also uncommon.	String	VL	Vein host	Po	VW
272.23	272.39	Silicification overprinting chl healed fractures with speckled cal and cal concretions. Alt is associated with low angle qtz + cal + chl veins with minor sulphides.	silica	S	Disseminated-lam Po is rare and layer parallel.			Disseminated-Lam	Po	VW
274.65	276.65		chl	M	Veins with Py + Po are also rare.	Veinlet	L	Vein host	Py + Po	VW
277.97	278.27		cal	M	Low angle qtz + cal + chl veins host minor blebby Po.	Vein	M	Vein host	Po	W
285.85	289.06				Two types of fractures host fine Py +/- Po.	String	L	Vein host	Py +/- Po	W
291.03	292.36	Fractured stockwork of cal and and minor chl fractures density is strongest near top of interval.	cal	M	ser + cal fractures stockwork in described alteration are high density.	Frac	H	None		

			ser	M						
293.36	294.34	Fractured stockwork of ser and cal fractures with minor sulphides ~ 10% cement fractures cont alteration.	ser	W	Disseminated-Lam Po is weak abst in alteration.			Disseminated-Lam	Po	W
			cal	W	Layer parallel 1 cm qtz + cal + sid vein hosts fine blebby Py.	Vein	L	Vein host	Py	W
297.17	299	Silicification overprinting healed chl fractures with speckled cal. No concretions. Common low angle veins associated with alteration is absent.	silica	S	Common Py fractures and Po extensions.	String	M	Vein host	Po + Py	W
			chl	W	ser + cal stockwork fractures and thin breccia.	breccia	L	None		
			cal	W	breccia is 50% cement and 1 cm thick . Minor Py in SX fractures.					
307.65	310.25	ser + cal + chl stockwork to fault breccia is about 60% wall rock fragments sub-angular of similar lithology to surrounding rock.	cal	S	Minor disseminated-lam Po.			Disseminated-Lam	Po	VW
			chl	M	Two high angle composite qtz + cal + chl veins hosting Py +/- Po along vein margins and in extension fractures within veins.	Veins	M	Vein host	Py +/- Po	W
			ser	M	ser + chl + cal fracturing into stockwork and breccia. Some rare Py blebs along fractures.	String	VH	Vein host	Py	VW
312.74	322.16	ser + cal fractures in high density sometimes in sub stockwork.	ser	S	Trace disseminated to lam Py.			Disseminated-Lam	Py	VW
			cal	S	Two types of sulphide fractures are rare in interval.	String	VL	Vein host	Py +/- Po	W
313.22	322.16	Silicification over printing chl healed fracture with patchy cal and cal concretions up to 10 cm diameter associated with 2 cm qtz + cal + chl vein at low angles.	silica	S	ser + cal fractures are in high density but are not mineralized.	String	H	None		
			chl	S	Low angle qtz + cal + chl veins host trace blebby Po.	Vein	L	Vein host	Po	VW
			cal	M						
322.16	335.8	ser + cal fractures cont alteration in low density distal from fault.	ser	W	Irregular qtz + black + chl + strong cal vein hosts large blebs - subhedral crystals, masses of Sp, and fine-graines of Cp + Gn.	Vein	L	Vein host	Py + Sp + Cp + Gn	W
			cal	W	Mod angle vein is similar but with sid instead of cal with similar min - Cp.	Vein	L	Vein host	Py + Sp + Gn	W
322.16	344.6	Silicification over printing chl healed fractures with speckle cal and cal concretions associated with qtz + cal + chl veins. Interval is 70-80% silicification zones. Some thin intervals of unaltered rocks.	silica	S	Py + Po fractures.	String	M	Vein host	Py + Po	W
			chl	M	Disseminated-Lam Po			Disseminated-Lam	Po	W
			cal	S						
327.68	327.81	Pervasive ser alteration halo around mod angle min vein.	ser	S						
350.05	351.44	Pervasive ser alteration in argillite beds near and associated with qtz + sid veins as halos.	ser	M	Disseminated to lam Po.			Disseminated-Lam	Po	W
353.36	356.52	Silicification overprinting healed chl fractures with mod patchy cal and a single cal + chl concretion associated with low angle qtz + cal + chl veins.	silica	M	Layer parallel qtz + sid veins are smokey grey to white with beige-white sid and fine cubic Py.	Veins	L	Vein host	Py	W
			cal	M	Low angle qtz + cal + chl hosts fine blebby Po.	Veinlet	L	Vein host	Po	W
			chl	W						
358.8	363.23	Frac contains ser + cal alteration with mod broken	ser	W	No disseminated Po.					
367.26	369.6	core and minor sulphides.	cal	W	Two types of sulphide fractures Po + Py min.	String	L	Vein host	Py + Po	W
364.73	365.15	Silicification overprinting healed chl fractures and	silica	S	ser + cal fractures host minor sulphides (Py) and	String	M	Vein host	Py	VW

		weak speckled cal, less than before.			are in med density in indicated intervals.					
372.81	376.13		chl	M	Low angle qtz + cal + chl veins host rara blebs of	Veinlet	VL	Vein host	Po	W
			cal	W	Po.					
377.71	382.8	Silicification overprinting healed chl fractures.	silica	S	Very weak laminated to disseminated Po. But zone of strong disseminated cubic Py and some layer			Disseminated-Lam	Po	W
386.47	387.38	Possible pervasive hem causing pink colour in some intervals. Some minor cal in patchy	chl	M	parallel qtz veins host Py.			Disseminated-Lam	Py	S
389.92	390.67	alteration and in fractures. Alt is associated with	cal	W		Veins	L	Vein host	Py	W
		qtz + cal + chl veins through in this interval, veins are very thin.	hem	W	Vein in 'FW' of fault is comprised of white qtz with intercrystalline cal and fine chl with Py strings near 'FW' of vein in with chl vein is ~12 cm.	Vein	L	Vein host	Py	W
382.81	383.2	ser alteration of selective beds in hanging wal zone of fault.			Two types of fractures host Po +/- Py +/- Cp.	String	L	Vein host	Po Py Cp	W
383.27	385.31	Disseminated cubic Py zone.			One fractures at 393.70 hosts trace Cp.					
394.31	396.8	Silicification overprinting healed Chlfractures and	silica	S	Very little disseminated Po.			Disseminated	Po	VW
397.42	398.94	weak patchy Calcite associated with qtz + chl + cal veins at low angles.	chl	W	Layer parallel trans smokey grey qtz and white to beige sid hosting coarse Sp with minor Py and Gn. Vein is <1 cm and halo'd by ser alteration.	Vein	VL	Vein host	Sp	M
403.3	409.87		cal	W	Low angle qtz + cal + chl veins ≤ 1 cm in silicification zones. Host minor blebby Po.	Veins	M	Vein host	Po	W
396.8	397.42	ser alteration of select bed with layer parallel polymetal sulphide vein at center of the zone. Other minor ser alteration zones occur, but are weaker and thinner.	ser	M	Fractures of Po +/- Py are in low density in interval.	String	L	Vein host	Po +/- Py	W
412.86	413.45	Silicification overprinting healed chl fractures with specled cal and ~5 cm cal concretions. Minor hem	silica	S	Disseminated to lam Po up to 3 mm. Po is magnetic and conductive.			Disseminated-Lam	Po	M
415.42	417.28	alteration in strong silicified bleached zones causing pink hue. Alt is associated with low angle	cal	M	Layer parallel cal veins within lam Po zones often with Po veins <1 cm.	Veinlet	L	With Lam	Po	M
418.68	420.43	qtz + cal + chl veins.	chl	W	Low angle qtz + cal + chl veins associated with silicification. Veins ≤1 cm rare blebby Po.	Veinlet	M	Vein host	Po	W
			hem	VW	Common sulphide fractures with Po +/- Py.	String	L	Vein host	Po +/- Py	W
420.5	433.85	Disseminated to lam Po + Py. Py is cubic Py in 'HW' of fault.			Coarse disseminated Py up hold from shear fault. Disseminated Po + Po lam (magnetic + con).	Lams	L	Disseminated-Lam	Po + Py	M
431.67	432.16	Silicification overprinting chl healed fractures with	silica	S	Low angle qtz + cal + chl veins with trace Po.	Veinlet	L	Vein host	Po	VW
435.68	436.5	speckled cal to large (up to 20 cm) concretions	chl	W	2 cm fractured rock with qtz veining and	Shear	VL	Shear host	Py	M
437.88	438.46	and minor pink hue from hem alteration.	cal	S	disseminated Py in possible shear.					
441.93	444.64		hem	W						

Drill hole	Sample Number	Location From	To	Interval	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	Au PPB
ED12-01	1620896	37.00	38.50	1.50	0.1	10	29.5	65	<0.1	9.5	6	345	1.58	4.1	0.9
ED12-01	1620897	49.00	50.00	1.00	0.8	30.8	40	72	0.1	21.4	11.5	428	2.89	11.2	16.8
ED12-01	1620898	50.00	51.00	1.00	9.1	41.7	11	53	<0.1	28.5	13.9	314	3.17	<0.5	7.5
ED12-01	1620899	73.00	74.00	1.00	0.4	15	22.8	46	<0.1	12.2	7	279	1.77	7.5	3.1
ED12-01	1620900	74.00	75.00	1.00	0.5	28.2	14.4	57	<0.1	18.7	10.9	305	2.33	5.8	4.4
ED12-01	1620901	75.00	76.00	1.00	1.4	32.3	19.2	71	<0.1	21.1	12.2	252	2.67	0.8	1.7
ED12-01	1620902	76.00	77.00	1.00	0.4	16.7	46.3	71	0.1	13.6	7.8	311	2.05	3.8	4.7
ED12-01	1620903	93.00	94.00	1.00	1	23.3	21.5	67	<0.1	18.3	9.2	351	2.31	1.6	2.2
ED12-01	1620904	94.00	95.00	1.00	7.3	42.2	14.1	93	<0.1	32.1	14.9	384	3.64	<0.5	6.1
ED12-01	1620905	95.00	96.00	1.00	1	36	27.6	92	<0.1	27	13.5	388	3.54	<0.5	1.7
BLK	1620905 a				0.1	2.6	2.7	44	<0.1	3.9	3.9	526	1.77	<0.5	2.4
ED12-01	1620906	96.00	97.00	1.00	0.2	45	28.1	112	<0.1	29.5	13.6	308	3.87	<0.5	2.1
ED12-01	1620907	97.00	98.00	1.00	0.4	40.4	23.5	81	<0.1	26.7	14	262	3.6	<0.5	2.5
ED12-01	1620908	98.00	99.00	1.00	0.7	35.9	27	95	<0.1	28.8	14.3	289	3.66	<0.5	2.6
ED12-01	1620909	99.00	100.00	1.00	1.2	37.6	34.8	98	<0.1	28.5	14.1	282	3.55	<0.5	3.5
ED12-01	1620910	100.00	101.00	1.00	0.6	27.7	18.2	80	<0.1	21.4	11	288	2.85	1.2	1.9
ED12-01	1620911	101.00	102.00	1.00	0.4	20.1	18.4	70	<0.1	17.8	9.3	313	2.46	1.9	2.2
ED12-01	1620912	102.00	103.00	1.00	0.4	33	22.2	72	<0.1	23.4	12.3	293	3.11	<0.5	1.9
ED12-01	1620913	103.00	104.00	1.00	0.6	22.9	17.8	79	<0.1	18.6	10.7	277	2.7	1.2	2.3
ED12-01	1620914	104.00	105.00	1.00	0.3	16.8	18.6	73	<0.1	14.6	8.2	542	2.17	1.8	0.9
ED12-01	1620915	105.00	106.00	1.00	0.4	28.4	14.6	81	<0.1	20.6	10.5	263	2.8	0.6	0.7
ED12-01	1620916	117.00	118.00	1.00	0.2	20	20.8	60	<0.1	13.3	7.3	264	2.09	1	1.4
ED12-01	1620917	118.00	119.00	1.00	<0.1	30.9	19.9	29	<0.1	4	2.8	985	1.2	<0.5	2
ED12-01	1620918	119.00	120.00	1.00	0.2	99.8	138.2	142	0.2	16.2	11.6	908	3.87	0.6	1.2
ED12-01	1620919	120.00	121.00	1.00	0.2	15.5	10.6	48	<0.1	12.2	7.8	357	1.94	3.9	1.2
ED12-01	1620920	121.00	122.00	1.00	0.2	30.9	45.3	74	<0.1	9.8	6.6	338	1.93	2.7	1.3
ED12-01	1620921	123.00	124.00	1.00	0.2	11.3	20.1	49	<0.1	10.7	5.6	296	1.5	1.5	0.8
ED12-01	1620922	122.00	123.00	1.00	0.8	26.3	15.9	69	<0.1	20.6	10.6	294	2.71	0.5	1.2

ED12-01	1620923		124.00	125.00	1.00	10.5	43.5	33	92	<0.1	33.3	15	376	3.64	<0.5	1.3
ED12-01	1620924		125.00	126.00	1.00	5.9	22.7	24.6	63	<0.1	16.7	8.6	237	2.13	<0.5	0.9
ED12-01	1620925		130.00	131.00	1.00	0.7	18.3	16.3	26	<0.1	21.4	11.1	294	1.96	14.6	5.2
BLK	1620925	a				0.1	1.8	3.1	47	<0.1	4	4.4	616	1.95	<0.5	2.1
ED12-01	1620926		131.00	132.00	1.00	0.3	19.6	8.6	31	<0.1	15.2	7.3	311	2.03	4.6	1.2
ED12-01	1620927		136.00	137.00	1.00	0.3	15.8	9.2	51	<0.1	15.7	9.6	228	2.21	5.8	<0.5
ED12-01	1620928		137.00	138.00	1.00	0.2	19	17.6	42	<0.1	14	9.1	335	2.06	4.9	<0.5
ED12-01	1620929		138.00	139.00	1.00	<0.1	8.2	10.2	16	<0.1	3.7	2.5	284	0.92	0.5	0.7
ED12-01	1620930		139.00	140.00	1.00	0.1	7	12.4	21	<0.1	6.9	4.4	213	1.27	1.3	<0.5
ED12-01	1620931		148.00	149.00	1.00	0.4	31	57	57	<0.1	16	9.6	393	2.23	6.2	6.6
ED12-01	1620932		149.00	150.00	1.00	0.4	35.9	62.1	113	0.2	17.7	10.9	176	2.32	3.3	1
ED12-01	1620933		155.00	156.00	1.00	2	31.6	15.4	59	<0.1	22.1	12	310	2.9	1.1	<0.5
ED12-01	1620934		156.00	157.00	1.00	0.7	43.4	12	89	<0.1	31.6	15.7	347	3.76	<0.5	<0.5
ED12-01	1620935		157.00	158.00	1.00	4.6	39.9	22.5	89	<0.1	30.3	13.7	350	3.58	0.9	<0.5
ED12-01	1620936		158.00	159.00	1.00	8	42.1	22.4	84	<0.1	29	14.9	322	3.3	118.8	0.7
ED12-01	1620937		171.00	172.00	1.00	0.3	26.1	16	60	<0.1	19.1	10.4	288	2.47	3.8	1.5
ED12-01	1620938		177.00	178.00	1.00	0.3	20.1	17.6	48	<0.1	14.6	9.3	192	2.16	1.7	<0.5
ED12-01	1620939		190.00	191.00	1.00	0.2	11.4	23.7	85	<0.1	10.5	5.8	404	1.7	2.3	<0.5
ED12-01	1620940		194.00	195.00	1.00	0.5	42.8	12.7	64	<0.1	32.3	17.1	271	3.99	0.5	<0.5
ED12-01	1620941		195.00	196.00	1.00	1.3	39.1	6.7	61	<0.1	28.9	15.2	290	3.85	0.6	<0.5
ED12-01	1620942		196.00	197.00	1.00	1.8	41.2	14.8	69	<0.1	28.3	14.1	306	3.77	8	<0.5
ED12-01	1620943		197.00	198.00	1.00	0.7	44.2	14	82	<0.1	31.3	16	287	3.97	<0.5	0.5
ED12-01	1620944		198.00	199.00	1.00	1	41.9	26.2	78	<0.1	28.1	15	395	3.75	<0.5	<0.5
ED12-01	1620945		209.00	210.00	1.00	0.1	12.5	54	52	<0.1	10.8	6.6	320	1.82	1.9	1
BLK	1620945	a				<0.1	3	2.7	46	<0.1	3.7	4.2	578	1.92	<0.5	<0.5
ED12-01	1620946		220.00	221.00	1.00	0.4	20.7	13.1	61	<0.1	16.5	10.3	285	2.39	8.4	<0.5
ED12-01	1620947		245.00	246.00	1.00	0.2	12.3	8.3	22	<0.1	7.7	4.1	217	1.38	2.7	<0.5
ED12-01	1620948		246.00	247.00	1.00	0.2	10.3	8.4	23	<0.1	8.8	4.9	219	1.64	2.3	<0.5
ED12-01	1620949		296.00	297.00	1.00	0.4	13	12.4	27	0.3	11.6	6.6	290	1.72	4.4	33.5
ED12-01	1620950		305.00	306.00	1.00	8.5	35.8	18.4	51	<0.1	26.5	15.7	473	3.41	7.3	1.5
ED12-01	1620951		306.00	307.00	1.00	5.2	39.8	16.1	52	<0.1	20.9	10.7	300	2.56	1	1

ED12-01	1620952		307.00	308.00	1.00	1.2	7.6	8.8	45	<0.1	16.5	6.8	365	2.15	5.9	<0.5
ED12-01	1620953		308.00	309.00	1.00	0.3	11.2	11.9	66	<0.1	12.5	5.9	259	1.87	2.3	<0.5
ED12-01	1620954		309.00	310.00	1.00	0.2	13.5	19.5	48	<0.1	13.8	6.2	333	2.34	1.5	6.8
ED12-01	1620955		310.00	311.00	1.00	0.4	29.3	11.5	84	<0.1	20.6	11.1	404	2.86	2.6	2.6
ED12-01	1620956		323.00	324.00	1.00	0.4	7.1	8.1	131	<0.1	9.2	3.9	222	1.46	1	0.9
ED12-01	1620957		324.00	325.00	1.00	0.4	2.8	5.6	16	<0.1	6.3	2.8	158	1.23	0.6	<0.5
ED12-01	1620958		327.00	328.00	1.00	0.3	17.3	9.4	74	<0.1	11	6.4	184	1.59	1.2	3.6
ED12-01	1620959		328.00	329.00	1.00	0.4	111.1	6	25	<0.1	15.8	6.8	308	2.11	1.3	6.5
ED12-01	1620960		350.00	351.00	1.00	0.4	23.7	21.7	49	<0.1	18	10	351	2.23	7.3	7
ED12-01	1620961		351.00	352.00	1.00	0.5	26.1	25.8	46	<0.1	16	9.1	244	1.93	1.7	6.2
ED12-01	1620962		368.00	369.00	1.00	0.3	29.4	5.3	35	<0.1	16.7	16	423	2.99	8.8	3.4
ED12-01	1620963		382.00	383.00	1.00	3.8	14.1	10.6	29	<0.1	12.2	6.2	230	1.51	2.4	2.2
ED12-01	1620964		383.00	384.00	1.00	8.9	39	13.6	38	<0.1	27	11	259	2.38	34.1	3.1
ED12-01	1620965		384.00	385.00	1.00	5.7	48.1	10.3	81	0.1	34.5	12.8	360	2.77	10	1.7
BLK	1620965	a				<0.1	4.3	2.6	46	<0.1	3.5	4.3	527	1.86	<0.5	2.5
ED12-01	1620966		386.00	386.50	0.50	9.5	42.2	15.7	91	<0.1	33.2	13.4	366	2.83	3.6	1.9
ED12-01	1620967		386.50	387.50	1.00	5.2	51.4	15.5	103	0.1	35.5	13.6	338	3.23	0.6	1.7
ED12-01	1620968		393.00	394.00	1.00	1.2	14.7	15.3	42	<0.1	8.9	5.5	273	1.59	1.5	1.1
ED12-01	1620969		396.50	397.50	1.00	0.2	18.2	18.9	65	<0.1	13.7	7.4	302	2.08	1.8	1.2
ED12-01	1620970		420.00	421.00	1.00	0.6	19.9	40.2	133	<0.1	13.9	7.7	301	2.08	1.9	2.2
BLK	1620970	a				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.
ED12-01	1620971		421.00	422.00	1.00	1.9	25.3	16.7	53	0.1	14.6	8.1	274	2.29	28.4	4.7
ED12-01	1620972		422.00	423.00	1.00	5.5	35.8	10.6	73	0.1	29.6	12.8	335	3.01	3.5	0.9
ED12-01	1620973		423.00	424.00	1.00	2.3	39	12.4	83	0.1	29.4	13.1	283	3.09	<0.5	3.5
ED12-01	1620974		424.00	425.00	1.00	2.4	43.2	23.5	91	0.1	31.1	14	355	3.31	1	1.1
ED12-01	1620975		425.00	426.00	1.00	21.4	38	23.7	86	<0.1	31.8	12.1	397	2.93	2.1	1.1
ED12-01	1620976		426.00	427.00	1.00	8.5	28.7	22.4	87	<0.1	26.6	10.6	476	2.66	2.4	0.5
ED12-01	1620977		427.00	428.00	1.00	8.3	37.4	16.1	86	<0.1	31.6	11.2	383	2.7	1.7	1
ED12-01	1620978		428.00	429.00	1.00	8.5	42.7	20.3	97	<0.1	36	12.7	375	3.15	0.5	1.2
ED12-01	1620979		429.00	430.00	1.00	10.2	42.3	13.8	70	<0.1	31.6	12.6	266	3.1	<0.5	1.8
ED12-01	1620980		430.00	431.00	1.00	0.8	21.9	11.2	60	<0.1	18.3	9.9	273	2.41	5.1	<0.5
ED12-01	1620981		431.00	432.00	1.00	0.4	23.8	12.9	60	<0.1	18.6	9.7	510	2.45	5.7	0.7

Location From	To	Lithology Description	Structure Description	Location	Type	AtoC
0	6.1	Casing.				
6.1	6.56	Med grained green to dark grey Diorite to gabbro boulder. Plag-70. qtz-2. Kspar-0. Mafics-28. Most of the mafic minerals have been metamorphosed to green chlorite. Some black Amphibole still present. Plagioclase is white as small anhedral crystals and likely makes up a large amount of the grey-green matrix. Dark laths could be biotite but difficult to distinguish from Amphibole. Weathered ends on both ends of the interval suggest that it may be a boulder.	Hairline fractures of qtz and plagioclase.			
6.56	8.42	Mixed brown unconsolidated clay and mixed lithology clasts.	N/A			
8.42	21.83	Siltstone (30) Argillite (60) Quartzite (10). Med to thin well bedded sediments. Argillites and Siltstones are finely moderately laminated. Med to dark grey/black. Some gouge marks and graded beds suggest the beds are RWU.	Mostly fine fractures of jar (orange to yellow).	8.65	B	85
			Iron Hydroxide mineral at high angles to bedding and having ser + jar	8.6	V	20
			halos bleeding into the sediments.	15.25	Fr	0
				18.01	B	90
			Thin qtz Py veins at low angles to core are discontinuous and irregular.	18.94	V	27
21.83	37.06	Med-grained dark grey to green massive equigrainular gabbro. qtz-5. Plag-50. Kspar-0. Mafic-45. Some ground mass minerals have been replaced by chlorit, probably plagioclase. Med laths of Bt or elongate euhedral Amphibole make up the dark minerals. plagioclase is anhedral to subhedral. Well-developed Cumulate texture at the top of the sill with larger plagioclase and mafic grains. Strong calcite content in sill.	Contact is comprised of pale green ser + chl alteration.	21.83	Sill	88
			Sed followed by qtz + Plag white intrusive plase with minor coarse alteration.Mafic phenocrysts followed by chl + Bt + Py+/- Po all within 5 cm.	22.5	Fr	10
			Low angle jar + qtz fractures are common in low density ~2/m and are typically 1-3 mm stringers. High angle pressure seam qtz veinlets <1 cm are cut by jar fractures. These veinlets have irregular vein margins and often incorporate crystals into vein suggesting they are synmagmatic.	23.28	V	70
37.06	46.26	Siltstone (20) Argillite (70) Quartzite (10). Interbedded dark grey to black sediments. Med to thinly bedded weakly finely laminated. Cross-beds at 38.18 are right-way-up, some thin beds of lensy Quartzite chip, possibly mud-chip breccia. No calcite content in host rock.	Common low angle irregular calcite fractures with qtz and hosting	38.17	B	80
			grains of wall rock.	38	Fr	25
			Bedding parallel shear with development of coarse biotite and fine	42.09	Fr	77
			ser. Shear is no more than 3 cm in width, but rocks on either side are	41.5	V Po	5
			different. Up hole is black Argillite with chl healed fracture while down	43.7	V Py	45
			hole is dolomite speckled silts.	46.09	B	75
46.26	50	Siltstone (40) Quartzite (30) Argillite (30). Med grey to black interbedded sediments. Med moderately bedded thin poorly lam in Arg. Unit does not show much soft sediment features. Possible weak graded bedding.	No visible structures.	46.42	B	70
50	55	Siltstone (40) Quartzite (10) Argillite (50). Med to dark grey interbedd sediments. Med-thinly well bedded locally very thinly well lam. Weak cross-bedding at 52.26 suggests right-way-up. Other SS features include gouge and fill, weak flame structures, and graded bedding.	Smokey translucent qtz vein with chl produces patchy silicification and	51.36	Fr	0
			extensional fractures. Vein is <1 cm.	51.26	V	20
				54.7	B	85

55	63.7	Siltstone (30) Argillite (65) Quartzite (5) dolomitic. Light grey to black and brown layering. Thin to very thin well bedded finely well laminated. Relatively quiet sedimentation some small rare load casts and flame structures. Strong calcite content increasing downhole (dolomitic).	Only thin rare qtz cal fracturing at very low angles to core (stringers).	55.1 56.58 58.92 63.36	B Fr V Py B	80 0 5 80

Alteration From	To	Description	Min	Int	Mineralization Description	Type	Dens	Sulphides Style	Min	Int
6.1	6.56	Weak pervasive chl alteration.	chl	W			L			
6.56	8.42	Tertiary weathering and quaternary disposition.								
8.42	21.83	Mod to strong silicification of sediments. Silicification is pervasive and appears to be regional, not associated with veining.	silica	M-S	Low angle qtz veinlets host blebby masses of fine-grained Pyrite. Veins are <1 cm.		L to VL	Blebby vein hosted	Py	W
8.42	17.98	Weak fractures cont jar alteration within low angle fractures. Jarosite also occurring in fine bedding parallel foliation planes. Foliation parallel jar + ser increases to 17.98 where it stops.	jar+ser	W	Jarosite in low angle fractures. Fracture are mm widths with fine cal or Dolomite and chl.		L to M			
17.98	21.83	Strongly silicified pervasively and patchy weak pale green chl. Coarse secondary Dolo forming in coarser-grained units while fine-grained units are pervasively brown hornfelsed? chl concretions formed in associated with Calcite. Dolo is a replacement of gypsum (Silanite).	silica chl cal horn	S W S M	~1 cm qtz + Bt + Albite vein and associated stringers of chl + Calcite within an alteration zone around the vein at 18.94.		L			
21.83	23	Mod to weak chl alteration of Mafic and Plag ground mass and Mafic phenos. Ground mass hosts significant cal.	chl cal	W-M M	Blebby Py and Po forming at the contact of gabbro sill and sediments. Mineralization is intergranular. Weak disseminated Py and Chpy, <1%	N/A N/A		Intergran Disseminated	Py + Po Py + Cp	W VW
23	37.06	Weak chl alteration of ground mass and phenos.	chl	W	Blebby intragranular Cpy and Py. Net.	N/A		Intra	Cp + Py	S
25.35	25.4		chl	W				Intra	Po	M
36.87	37.06	Coarse Biotite near contact with Po.								
37.06	46.26	Mod to strong pervasive silicification throughout sediments	silica	M-S	Disseminated to blebby laminated Po and Py. Sulphides are fine grained masses of the mineral.		N/A	Disseminated-lam	Po + Py	W
		Speckled frains of Dolomite replacement of gypsum.	cal	M	Vein of fine granular Po in Calcite with Jarosite. Vein is irregular and has void space (vugs). Same common cal vein fractures previously observed.	cal	L	Vein host	Po + Py	VW
39.5	39.6	Brown yellow ser + jar alteration of fine grained argillite alteration is foliation parallel with lensy qtz and speckled hem.	ser jar	S S	Masses and fine cubic grains of Py at low angles.	qtz	VL	Vein host	Py	VW
38.5	38.71	Patchy qtz + chl alteration. chl forming in irregular	chl	M						
45.1	45.5	rounded qtz veins as granular masses and as healed fractures at low angles to core.	chl	M						
41.5	46.26	Blebby disseminated Po and vein hosted Py and Po. Some blebby masses are strata form near bottom of the interval.	Po	W						
46.42	50	Strong silicification of all sed units. Pervasive chl concretions and healed chl + qtz fractures.	silica	S	Same low angle cal stringers with irregular margins with qtz.	cal	VL			
48.77	49.32	Concretions are 1-2 cm in diameter and host Calcite surrounded by smokey qtz. Frac are at low angles to core.	chl cal	M W	Blebby to disseminated and laminated blebby mass of Py in low density.			Disseminated-lam	Py	W
50	55	Strong silicification of all sediments. No speckled Dolomite.	silica	S	Py is weakly disseminated and vein hosted in common low angle veins. Some lam Py healed	Py	L	Vein	Py	W

51.26	51.66	Healed by silicification extensional veining to produce a weak patchy alteration.	silica	S	host. Hosts 1 cm x 2 cm blebby layer bound masses of fine grained Py. Extentional gashes remobilize Py into fractures. Fractures are qtz + chl veinlets.	qtz	L	Bleb-lam	Py	M
		chl is fractures hosted in same breccia.	chl	W				Vein host	Py	W
52.88	53	Disseminated and vein hosted Pyritization associated with vuggy smokey qtz vein.	Py	S						
55	63.7	Moderate silicification. Not as strong as up hole units.	silica	M	Low angle qtz+ cal +/- ser irregular stringers are in low density and do not host sulphides.	qtz	L			
		Mod brown pervasive Carbonate alteration from Siderite/Ankerite + cal. Carbonate is often confined to certain beds where disseminated to lam blebby Pyrite is developed.	carb	M	Lam to disseminated Py and possibly Po is about 5% over interval. Py is best developed in lamination as blebby masses. A fracture intersecting a lamination is mineralized with Py and minor CPy.	Py	L	Lam-disseminated	Py	M
								Frac	Py + Cp	W

Drill hole	Sample Number	Location			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au
		From	To	Interval	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPB
ED12-02	1581401	8.45	8.95	0.50	0.6	14.2	6.7	62	<0.1	17.5	8.8	208	2.5	2.9	0.6
ED12-02	1581402	25.11	25.61	0.50	0.2	591.2	11.9	70	0.6	41.5	40.6	719	4.6	32.4	5.7
ED12-02	1581403	41.50	42.50	1.00	3.4	17.5	13	44	<0.1	13.9	7.3	240	1.94	5.3	3.9
ED12-02	1581404	44.27	45.27	1.00	0.3	25.4	21.5	77	<0.1	18.9	10	210	2.67	3	<0.5
ED12-02	1581405	55.00	56.00	1.00	2.3	35.8	13.8	75	<0.1	29	13.8	638	3.51	<0.5	<0.5
ED12-02	1581406	56.00	57.00	1.00	1.6	29.6	26.3	110	<0.1	24.2	11.3	775	3.28	1.4	0.9
ED12-02	1581407	57.00	58.00	1.00	4.4	38	39.5	100	0.1	27.6	13.3	632	3.38	1.2	1.1
ED12-02	1581408	58.00	59.00	1.00	3.1	51.8	19.9	84	<0.1	28.5	13.6	257	3.21	0.9	1.5
ED12-02	1581409	59.00	60.00	1.00	2.7	42.1	20.8	104	<0.1	29.9	13.4	486	3.38	1	<0.5
ED12-02	1581410	60.00	61.00	1.00	1.7	28.8	33.3	101	<0.1	25.8	11.7	656	3.25	1.2	1
ED12-02	1581411	61.00	62.00	1.00	2.9	27	33.2	90	<0.1	25.1	11.3	586	3.07	1.7	3.8
ED12-02	1581412	62.00	63.00	1.00	1	20.9	30.3	90	<0.1	23.9	10.2	525	2.88	1.4	<0.5
ED12-02	1581413	63.00	63.70	0.70	1.5	22.3	21.9	99	<0.1	25.1	11.2	519	2.97	0.5	1.4

Location From	To	Lithology Description	Structure Description	Location	Type	AtoC
0	3.05	Casing.				
3.05	7.88	Mixed lithological boulders and jarosite rich muds.				
7.88	17.68	Siltstone (65) Argillite (30) Quartzite (5). Med-thinly mod bedded locally med well laminated. Med to dark grey with overprinting pale yellow green some minor gouge and fill structures.	Weathered out fractures of qtz and Iron oxide as yellow jarosite and sericite at mostly 20° to core axis.	11.5 9.15	B Fr	85 20
17.68	22.89	Siltstone (50) Argillite (50) Weakly dolomitic. Very thinly well bedded finely well laminated. Light dark grey to green brown. In some areas speckled with fine calcite or chl +/- Bt. Some rare gouge marks. Crossbeds at 22.60 suggest 'RWU'.	Minor qtz + jarosite fractures at low angles to the core.	22.43	B	85
22.89	31.38	Siltstone (30) Argillite (60) Quartzite (10). Med to thinly mod-weakly bedded locally fine mod lams. Med to dark grey to slight green. Minor gouge and fill textures. calcite only in alteration and minor speckled replacement of gypsum.	Several strong 1-2 cm thick qtz + chl + qtz veins and parallel straight fractures with reverse offset of earlier spotty silicification. Fine cal fractures are cut and offset by veins in reverse motion.	26.46 29.34 29.48	B V Fr	80 20 15
31.38	39.33	Siltstone (30) Argillite (60) Quartzite (10). Med to thinly well bedded locally thin weakly lam. Med grey to black with patchy green. Some weak sedimentary structures. Graded bedding and minor wavy beds. Some speckled dark laths as replacement of gypsum.	Irregular thin fractures of ser + jar +/- Py +/- cal at various orientations to fold axis. Fractures are in low density. Common irregular cal stringers at low angles to core axis in very low density.	35.53 34.81 36.83 39.22	B Fr cal V B	80 7 15 85
39.33	45.41	Near equigranular green to dark green brown Gabbro. Plag-35. qtz-5. KSpar-0. Mafics-60. Ground mass of the sill is altered to brown biotite and less chlorite. Matrix is still probably strong with Plagioclase. Mafic amphiboles and Pyroxenes are altered to black green chl. Hanging wall margin of the sill has well-developed cumulate texture with strong brown biotite matrix. calcite is developed throughout the sill, but is coarse grained layers at the hanging wall contact.	The contact of the intrusive and sediments is parallel to bedding (sill). Common irregular cal stringers cut the core at low angles. Thin irregular ser + jar stringers at very low angles to the core. 1 cm side qtz cal vein hosting sulphides Cp + Py is at very high angles to the core axis.	39.33 42.46	D V	80 90
45.41	49.75	Siltstone (20) Argillite (40) Quartzite (40). Med to thinly well bedded locally finely well lam. Med grey to black and locally pale yellow grey. Cross beds at 47.26 suggest RWU-abundant graded bedding and thin beds of Bt replaced gypsum.	Fracture zone in the core produces the alteration and possibly veining. Main fractures are at low angles to the core though high angle fractures also present. Zone is ~20 cm thick. 1 cm qtz + cal + chl vein is associated wtih Cp. Vein is at low angle to the core axis.	47.5 46.08 46.76	B Fr V	80 20 20
49.75	62.91	Siltstone (20) Argillite (70) Quartzite (10). Medium to thinly well bedded locally faintly laminated. Med to dark grey locally pale yellow grey. Weak load casts and graded bedding possible mud chip breccia.	Small (~20 cm) fracture zone with sericite goethite and jarosite along the fractures. Fractures are mostly at moderate angles to the core. A second fracture zone (10 cm) hosts the same minerals in fractures.	51.43 53.85 56.69	B Fr Fr	80 30 20-45
62.91	75.6	Siltstone (20) Argillite (70) Quartzite (10). Moderately Dolomitic. Thin to very thinly well bed finely well laminated. Med to dark grey black locally brown. Minor soft sediment features like graded bedding, gouge and fill and minor cross-beds. Crossbeds at 70.56 suggest RWU although it is difficult to tell.	63.09 is a 5 cm fracture zone with ser + jar + chl filling the fractures. Main fracture is at low angle to the core axis. 15 cm fault with fractured and broken rock hosting Iron carbonate, Jarosite + fine sheared Py. 20 cm fracture zone with jar and ser. Fracture are mostly at low angles although start of zone is layer parallel. 10 cm above fracture is	62.53 63.09 65.1 65.71 68.39	B Fr Fr Fr V	85 15 10 80 20

			weak cal breccia.			
75.6	100.21	Siltstone (60) Argillite (20) Quartzite (20). Med well to mod bedded locally finely poorly lam. Light to med grey local green-grey due to alteration. Evidence of slightly more turbulent environment with deep gouges and rip up clasts. No cross beds.	Thin fractures of ser + jar hosting Py at low angles to core axis. Occur in clusters mostly at the beginning of this interval. 1-3 cm qtz + cal + chl veins extensionally growing into centre of the veins. Host Py and Py masses developed along the qtz crystal faces. Vein is in a zone of healed chl fractures.	76.36 78.48	Fr V	15 13
100.21	114.9	Siltstone (30) Argillite (70) Quartzite (0). Med to thinly well bedded. Med well laminated. Light to dark grey. No obvious soft sediment features. Very quiet period of sedimentation. Some minor replacement of gypsum crystals in coarser-grained beds.	cal fracture at low angle to core and with a similar strike to bedding. Fracture has no alteration of other minerals associated with it. 109.85 Thin fractures associated with softening of rocks by mixture of ser and chl visible in fractures. Possible Graphite giving dark grey appearance.	103.32 105.27	B Fr	85 10
110.1	119.95	Siltstone (50) Argillite (40) Quartzite (10) Weakly dolomitic. Med to thin to very thin. Well bedded. Fine well laminated. Med to dark grey to brown. Sections of finely bedded markers separated by coarse, often graded beds of Siltstone and Quartzite. Some thin beds with cross-beds at 117.35 suggest RWU. Possible medowbrook marker??	No structures.	115.3	B	80
119.95	135.91	Siltstone (70) Argillite (20) Quartzite (10). Very weakly dolomitic. Med moderately bedded. Mod med laminated. Locally finely lam. Light grey to med grey locally black or pale yellow green grey. Slightly more turbulent sedimentation with shallow gouges, rip-up clasts and fine cross-beds at 125.80 suggest RWU. Some thin beds of minor calcite or Dolomite. Coarse crystal laths of chl grow in replacement of gypsum in select beds.	Low angle to core thin qtz veins with cal and fine masses of green chl. Veins host sulphides. Low angle irregular cal fracture with ser and thin stringers of Py in fracture. Breccia occurring only one side of the fracture. Breccia begins at 124.66 and extends for 43 cm. Fractured and broken rock at 135.02 has moderate angles to core axis. Part of a greater fault in next interval.	120.84 120.15 124.66 135.02	B V Fr bx F	75 10 0 35
135.91	145.2	Siltstone (50) Argillite (50) Weakly dolomitic. Med to very thinly mod bedded. Med poorly laminated. Locally fine well lam. Med grey to black locally pale yellow green or brown. Unit is dominated by fractures from fault at 142.84. Some graded bedding and load casts. Very little soft sedimentary features. Some med beds of chl crystals as replacement of gypsym or selenite.	Interval is dominated by fractures associated with a fault zone. Fault gouge starts at 142.84 and goes to 143.04. Fault is comprised mostly of cal + chl with broken fragments of wall rock. Mostly solid core from 137.78 to 142.50. No slickensides in fractures suggest extensional fault with little motion.	141.75 143.04	B F	85 25
145.2	154.36	Siltstone (40) Argillite (50) Quartzite (10). Weakly dolomitic. Med to thinly bedded. Finely weakly to well lam. Med to dark grey locally weak brown colour. Some mod soft sediment deformation with gouge and fill marks.	Some mod intensity low angle fracturing with chl + cal and sulphides.	145.75 150	B Fr	85 15
154.36	165.28	Siltstone (60) Argillite (30) Quartzite (10). Med to thinly mod bedded. Locally mod. Finely laminated. Med to dark grey locally patchy green grey. Speckled chl as a replacement of gypsum in coarse grained units. Moderate soft sediment deformation with gouge and fill marks. Rip up clasts. Slightly more turbulent deposition.	Low angle 5 cm thick qtz + cal + chl vein at 154.36 Smokey grey to slight pink qtz with calcite along vein margins. Common irregular calcite fractures. Some have broken fragments of wall rock as sub bx. Layer parallel vein with similar cal +chl and sulphides about 1 cm thick.	154.36 162.35 156.49 156.43 163.39	V Fr B V V	10 30 85 85 85

165.28	170.32	Siltstone (30) Argillite (60) Quartzite (10). Weakly dolomitic. Thinly well bedded. Med weakly lam. Dark grey to black. Only minor soft sediment feature and only in upper portion of interval. Very minor speckled chl replacement of selenite (gypsum).	Calcite breccia ~5 cm thick. Broken fragments of wall rock cemented by calcite ~ 20% cement with chl + sulphides in cement. Below breccia to 167 is fragmented rock without gouge material. Fractures are at very low angles to core and appear to have minor amounts <1 cm of reverse movement on them.	165.64 165.35 166.89	V bx B Fr	65 85 10
170.32	190.74	Siltstone (50) Argillite (40) Quartzite (10) Mod dolomitic. Med to thin moderately bedded fine locally well lam. Med to dark grey with local pale yellow green. More turbulent bedding with lenses of cal common and fine chlorite replacement of selenite.	Fractured rock near 171.50 mostly low angle chl + cal + sulphides. Very little to no motion on fracture. Sulphide layer parallel vein with dark sulphide enriched interval of dark brown minerals, probably Bt with blebby to irregular veining of calcite. Common cal fractures. Irregular and discontinuous, mostly stringer width, and at low to mod angles to core axis. Mod angle sulphide veins in Bt zone.	171.22 171.87 177.64 179 179.16	B Fr V V V	85 20 85 50 10
190.74	222.7	Light green to med green med grained equigranular gabbro. Plag-50. Qtz-5. K-Spar-0. Mafics-45.Ths top of the sill is finer crystalline and has more dark minerals like Bt and Amphibole not alteration to chlorite mod dull tan Siderite or possibly ser throughout interval and a large amount of matrix calcite.	First meter of the sill is fractured with chl filling fractures. Fractures are at very low angles to core axis. Several mod to high angle qtz cal veins with sulphides hosted in and disseminated halos around. Most veins are <1 cm thick. Some of these veins have mod amounts of Iron carbonate and dark platy to blebby chl. 20 cm of fault gouge at 206.75 with loose grains of chl and other crystals. qtz Siderite zone with veins of up to 7 cm at high to mod angles to bedding. Weak fracture zone from gouge at 206.75 to 213.25. Lots of solid pieces of core fractures at low angles.	191.51 201.15 206.95 202.13	Fr V Fr V	10 70 10 70
222.7	245.52	Pale green to black finely equicrystalline gabbro. Plag-30. Qtz-0. K-Spar-0. Mafics-70. Phase of gabbro with finer crystalline phenocrysts. Plagioclase still present in matrix but fewer phenocrysts of plagioclase. Amphibole has not been altered to chl as strongly. None fo very little cal content in matrix.	~20 cm fractured and muddy crumbled gabbro with chl and white clay mineral (ser) along hanging wall contact. Similar fracture zone at 227.43 that is ~10 cm wide. Several high angle qtz + sid + chl + sulphides veins <1 cm thick. Thin <1 cm dolomite breccia fault with fracture of wall rock cemented in dolomite and albite? at mod low angle to the core. Similar Dolomite fault breccia at	226 227.27 226.88 243.55	Fr V F breccia F breccia	15 85 20 15
245.52	279.77	Various phases of dark grey green to med green. Fine to med crystalline gabbro. Plag-35. qtz-5. K-Spar-0. Mafics-60. Elongated black Amphibole, subhedral phenocrysts with pale grey twined anhedral plagioclase phenocrysts cemented by dark to med grey green plagioclase and mafics with chl and minor calcite. ~50 % phenocrysts to matrix.	10 cm qtz + sid + chl shear vein at very low angle to the core with black chl slicken lines raking along vein at 60° to core axis. No sulphides. Thin <1 cm thick smokey qtz vein with minor chl at low angle to core axis in zone of disseminated Po and high angle sulphide veins.	249.3 249.5 261.85 262.05	V Ls V qtz V Sul	10 60 17 85

			Sulphide veins are <1 cm and have dark green chl + sid. Very low angle cal + chl veins in and interesting contact of chl alteration gabbro with no alteration at 0° to core axis.	261.6	V cal	0
279.77	285.49	Dark green grey to black fine to very fine equicrystalline gabbro. Plag-20. qtz-0. K-Spar-0. Mafics-80. Elongated black euhedral to subhedral Amphibole phenocrysts in a pale grey green plagioclase + Mafics matrix. Almost no chl and cal. ~20% phenocrysts to matrix.	~1 cm thick qtz + sid + sulphide vein at high angle to core. Paralleled by thin stringers of Pyrite on either side.	285.32 285.49	V Sill	70 80
285.49	298.05	Siltstone (40) Argillite (30) Quartzite (20). Med to thinly mod bedded locally bed well lam. Med to dark grey locally pale yellow. Moderate amount of soft sediment deformation in the form of gouge marks, load casts, rip up clasts and wave ripples. Speckled white cal in coarse grained beds and dark chl from gypsum.	Moderate amount of thin fractures mostly at low angle to core occur throughout interval. Fractures are filled with chl and ser. Up to 4 cm thick qtz + minor sid + sulphide veins at high angles to core axis. Veins are parallel to bedding.	289.1 286.47 286.74	Fr B V	10 75 70
298.05	310.58	Siltstone (50) Argillite (40) Quartzite (10). Med to thinly well bedded locally med well lam. Med to dark grey to yellow brown .Abundant beds of soft brown yellow ser alteration and chl speckled from gypsum replacement. Soft sediment features are abundant with gouge and fill and rip up clasts. Calcite growth in coarse beds.	Thin <1 cm qtz + sid vein with footwall grey clay fault or alteration.10 cm down hole from vein is soft clay alteration zone with fine Ms grains.	302.15 302.16 298.05	V Fr B	75 75 75

Alteration					Mineralization			Sulphides		
From	**To**	**Description**	**Min**	**Int**	**Description**	**Type**	**Dens**	**Style**	**Min**	**Int**
7.88	17.68	Mod to strong fractures cont jar alteration and ser alteration. ser bleeds into sediments overprinting an earlier silicification. ser is patchy while silicification is pervasive.	silica	M	Smokey qtz veins <1 cm cut core 5 times in the interval and host chl + blebby masses of Py, Po and CPy.	qtz	M	Vein host	Py, Po, Cp	W
			ser	M	10 cm wide fracture breccia does not appear to be mineralized.	qtz	L			
			jar	S	Disseminated to blebby Py in ser alteration zone.			Disseminated	Py	W
15.15	16	Pyrolusite ferns developed on either side of a fine fracture breccia on outside 20 cm of interval. Fracture breccia zone has mod ser alteration softening sed and is accompanied by Jarosite.	Mn	M						
			ser	M						
			jar	S						
17.68	22.89	Mod pervasive silicification.	silica	M	Weak disseminated to laminated blebby masses of fine Py.			Disseminated-Lam	Py	W
		Fine grained dark grey to black speckles of possibly Bt or chl with similar white Calcite crystals. Both are replacements of gypsum. Calcite has fine Musc halos.	bt + chl	W						
			cal	M						
22.89	31.38	Only weak local silicification around qtz veining. chl + cal concretions associated with fine chl veinlets and spotty cal replacement masses. Some fine yellow jar is also present in chl alteration.	silica	W	Very weak disseminated Py.			Disseminated	Py	VW
					1-2 cm wide qtz + chl veins hosting blebby masses of Py +/- Po +/- CPy with strong Calcite present in vein and yellow Jarosite along some but not all vein margins.	Vein	L-M	Vein hosted	Py Po Cp	M
31.38	39.33	Weak to mod silicification. Most of the core is weakly silicified except for areas of healed chl fractures where silicification is strong.	silica	W-M	Two thin qtz + cal veins with fine chl hosting blebby masses of fine Po. Veins are smokey grey qtz <1 cm thick.	Vein	L	Vein hosted	Po	W
		Healed fractures of chl in zone of silicification and ser + jar fractures.	chl	W	Thin stringers of blebby Py in very low vein density. Py is very fine grained with vugs in center of grain masses.	String	VL	Vein hosted	Py	VW
		Thin zones of patchy Calcite growth. Only two small zones over the entire interval.	cal	W	Weak disseminated to laminated Py and Po often in soft sed deformation areas (loads).			Disseminated	Py Po	W
		Frac cont jar + ser in low density fractures.	ser + jar	W						
39.33	45.41	Strong chl + cal alteration of matrix and chl alteration of amphibol phenocrysts is pervasive.	chl	S	Vein hosted CPy and Py in a single vein in the interval. qtz + cal + chl vein.	Vein	VL	Vein hosted	Cp/Py	W
			cal	M	Disseminated Py + Po strong near the contacts of the sill but dissipating towards the center.			Disseminated	Py + Po	W
		Fine grained Bt in the matrix near the contacts is accompanied by disseminated Py + Po.	bt	M						
45.41	49.75	Silicification is weak for most of the interval.	silica	W	Vein hosted CPy in 1 cm qtz + cal + chl.	Vein	VL	Vein hosted	Cp	W
		Vein hosted chl and patchy chl are mod around qtz vein.	chl	W	Vein CPy is in fine grained blebby masses and weakly disseminated into host rock.			Disseminated	Cp	VW
46.08	47	Mod patchy chl associated with strong silicification	silica	S						

		and fractures controlled ser + jar alteration. In mod density, fine cal growth in coarse grained Sed producing patchy alteration.	chl ser + jar	M M						
49.75	62.91	Weak silicification but locally strong associated with healed chl fractures.	silica	W-M	Thin qtz + cal + chl vein in chl alteration and silicification hosts fine dispersed Py Vein cute rare bleached silicified Siltstone but does not change nature.	Veinlet	VL	Vein hosted	Py	VW
		chl clots also associated with the fracture zone.	chl	W	Laminated to disseminated blebby masses of Py with lesser Po and CPy. CPy has void space in masses.			Disseminated-Lam	Py/Po/Cp	W
53.44	54.5	Healed chl fracture and chl concretions with mod ser + jar fractures. Interval also has strong silicification.	chl ser + jar silica	S M S						
		Other zones of weak spotty to pervasive chl alteration are common.								
56.93	62.91	Very weak disseminated Iron sulphides.								
62.91	75.6	Weak silicification and very localized to fracturing.	silica	W	Fracture hosted Py in fine masses in fracture zone.	Frac	L	Frac hosted	Py	W
		Frac cont ser + jar alteration in low fracture density locally increasing in aforementioned fractures zones.	ser + jar	W	1 cm thick smokey grey qtz + cal + fine blebby masses along vein margin. Fine Po also present and fragments of wall rock appear in the vein.			Vein hosted	Py + Po	M
		Laminated to bedded sulphides, mostly Po and Py, over entire interval.	Po	M	Fine disseminated to blebby laminated masses of brown Po and Py. Po turns some layers brown. Mod disseminated Po + Py.			Disseminated	Py + Po	M
75.6	100.21	Weak pervasive silicification regional diageasis (metamorph) fom burial of tectonics. Locally stronger.	silica	W	Very weak disseminated sulphides in interval.			Disseminated	Py	W
76	78.23	Mod to strong silicification associated with thin fractures with fractures cont ser + jar alteration. In mod density zone. Contains extensional qtz veins with Py + Po and a lamination of blebby Py at the center of zone.	silica ser + jar	M-S M	1-3 cm qtz + cal + chl veins hosting Py and Po in blebby masses along crystal faces.	Veins	M	Vein hosted	Py + Po	M
81.42	81.9	Second similar zone of silicification. Mod associated with fractures of ser + jar.	silica ser + jar	M M						
75.6	100.21	<1-4 cm chl concretions with cal at the center and silica around the perimeter.	chl cal	W W						
97.1	97.6	Py stringers.			Py stringer veins do nothave associated alteration but have vug spaces in fine grained blebby masses.	String	L	Vein hosted	Py	M
100.21	114.9	Absent of silicification. Some beds have been softened by Calcite.	cal	VW	Laminated to disseminated Po in blebby grains and fine grained masses. Massive lamination <1 cm thick of Po with fracture Graphite + ser + chl zone below disseminated Py also present.			Bedded	Po + Py	M-S
		Laminated to disseminated magnetic Po in strongest concentration yet.	Po	M						
109.85	110.1	Strong fractures of chl + ser + Graph healed and dense. Not seen before.	chl + ser + graph	S						

110.1	119.95	Some minor Carbonate near bedded sulphides.	Fe carb	W	Disseminated to laminated Po and Py in moderate concentration. Very limited veining and fracturing.			Lam-Disseminated	Po + Py	M
		Bedd sulphides in mod intensity with disseminated sulphides.	Po	M						
119.95	135.91	Patchy silicification around fracture zones and veins.	silica	W	Several thin <1 cm qtz + cal + chl veins with chl grown in clots and qtz growing extensionally into the center of the vein. qtz is smokey grey, transparent. Veins host fine-grained masses of Po and Py.	Vein	L	Vein hosted	Po + Py	W
124.66	125.09	ser + cal fractures breccia does not have silicification but instead has softened browned rocks from ser alteration.	ser	M	Disseminated to laminated Po + Py as bedded blebby masses.			Lam-Disseminated	Po + Py	VW
					Similar blebby masses of Py occur in fine fractures at the top of weak ser fracture breccia.	String	M	Fracture hosted	Py	M
					Fault at the bottom of the interval has cal + Graph? + Py masses + chl?	String	M	Frac hosted	Py	M
135.91	137.78	Fractured rock weakly silicified with fractures cont cal + chl and hosting sulphides.	silica	W	Abundant fractures of Calcite and chl hosting up to 1 cm diameter masses of fine-grained Py.	Frac	VH	Frac host	Py	S
			cal + chl	S	Sediments host weak to mod disseminated to laminated blebby Po + Py. Magnetic.			Disseminated	Po + Py	W-M
137.78	142.5	Mostly solid core with zones of mod to strong silicification and healed chl fractures.	silica chl	M M						
145.2	154.36	No silicification. Only moderate fractures cont cal + ser +/- jar alteration.	ser + cal	M	cal fracture veins in sub breccia contain stringers of Py.	Frac	M	Frac host	Py	M
					Bedding parallel qtz veins host Py and have ser alteration of 1 cm from the <1 cm veinlets.	Vein	L	Vein host	Py	W
					Disseminated to bedded masses of Py and Po are common in moderate intensity.			Disseminated-Lam	Po + Py	M
154.36	155.08	Moderate silicification associated with qtz and/or cal stringers and patchy chl concretions.	silica	M	Low angle qtz + cal + chl vein hosts minor blebby masses of fine-grained Pyrite.	Vein	L	Vein hosted	Py	W
160.32	160.7		chl	M	Bedding parallel qtz vein has lower contact of cal + ser and hosts fine-grained CPy and a single grain of Gn.	Vein	VL	Vein hosted	CPy + Gn	VW
163.45	163.91	Interval has speckled chl replacement of gypsum.	chl	W	Layer parallel qtz vein with Py and Gn in low concentrations. Vein is less than 1 cm thick.	Vein	VL	Vein hosted	Py + Gn	W
					Disseminated to blebby laminated Po + Py also developed in cal fractures, but only in areas where bedded sulphides are present below 160.85.			Disseminated-lam	Po + Py	W-M
								Vein hosted	Po + Py	VW
165.28	167	Frac cont chl alteration within fracture zone. No chl concretions and no gypsum replacement.	chl	W	cal + minor qtz + chl breccia with wispy margins of fine brass Py and blebby granular masses of Po.	Breccia	VL	Vein hosted	Py + Po	W
167	170.32	Disseminated and bedded fine sulphides.	Po	M	Common cal fracture vein stringers.	String	L			
					Disseminated to blebby laminated Po. Laminations are mostly <1 mm thick and most are not massive.			Disseminated + Lam	Po + Py	M
170.32	176.69	Layer parallel cal flooding and lensy cal growths	cal	M	Weak disseminated to layer parallel blebby			Disseminated-	Po	W

		associated with cal fractures common in the interval.			masses of Po.			Lam		
		Minor chl concretions in zones of stronger ser fractures.	chl	W						
		ser fracture increasing down hole to contact with dike at end of interval.	ser	M						
174.61	171.3	Bleached to yellow pale green strong pervasive ser alteration with silicification associated with thin	ser	S	Two thin layer parallel qtz + cal veins hosting mod Py and minor Gn in the ser alteration zone.	Veinlet s	M	Vein hosted	Py + Gn	M
		layer parallel qtz veins and blebby disseminated sulphides. Only place this has been observed.	silica	M	Disseminated Po is stonger in this interval.			Disseminated	Po	M
174.62	174.83	Biotite and sulphide enriched zone with strong Calcite pervasive Bt + cal.	bt + Po cal	M S	Bed parallel massive <1 cm brown non-magnetic sulphide vein (sphalerite).	Vein	L	Vein massive	Sp	W
178.92	180	Bt + brown sulphide disseminated into host sediments associated with three massive thin sulphide veins.	bt + Po	M	Three massive vuggy Py veins up to 1 cm in a Bt-enriched zone.	Veins	H	Vein massive	Py	S
190.74	222.7	Pervasive chl alteration of Amphibole. Probably a regional diagenetic or tectonic feature.	chl	S	Disseminated Po halos around thin qtz + cal + chl + Py vein extending ~1 cm from edge of vein.	Veinlet	M	Disseminated	Po	M
202.05	202.6	Pervasive qtz and Iron Carbonate (Siderite)	silica	M				Vein hosted	Py	M
		alteration zone associated with qtz + cal + sid veins. Rock is still hard suggesting mod silicification.	Fe carb	VS	Med granular Py recrystalized from coarse cubes of Py in Siderite + qtz veins and disseminating and blebby into host gabbro. Veins are strong within interval 202.05 to 202.6.	Veins	VH	Vein hosted	Py	VS
								Blebby disseminated	Py	S
					Common fracture host fine Py.	Frac	M	Frac host	Py	W
222.7	245.52	Very weak chl alteration of Amphibole phenos and matrix crystals.	chl	VW	Thin qtz + sid + chl veins host Py and Cp in small irregular fine grained masses. Mostly occurring in center of vein suggesting late PPT.	Vein	L	Vein hosted	Py + CPy	W
		Weak Iron Carbonate alteration in fractures with	Fe carb	W	cal stringer veins are irregular and discontinuous.	String	VL			
		chl and possibly ser.	chl ser	W VW	Very weak disseminated Py and blue sulphide, possibly Gn in trace amounts.			Disseminated	Py + Gn?	VW
		cal development as halos around qtz + sid + chl veins.	cal	W						
245.52	279.77	Weak pervasive chl alteration of Amphibole and Calcite (which could be primary) in matrix.	chl	W	cal stringer-veinlets in low density throughout interval. No sulphides.	Veinlet	L			
			cal	W-M	chl zone has mod disseminated CPy			Disseminated	CPy	M
261.45	262.15	Mod to strong pervasive chl alteration of matrix with mod to strong Calcite. Rock is strongly green	chl cal	S S						
261.72	262.31	chl alteration is overprinted by dark Po +/- bt alteration associated with more abundant high angle veins or low angle clean qtz vein.	bt Po	M S	Thin qtz + sid + chl veins host mostly fine masses of fine grained Py with halos of disseminated Po in	Veinlet	H	Vein hosted Vein hosted	Py Po	M S
279.77	285.49	Very weak pervasive chl + cal alteration of matrix material only.	chl	VW	1 cm thick smoky grey qtz with white sid hosting fine granular semimassive Py and med grained	Vein	VL	Vein hosted	Py + Gn	S

			cal	VW	cubic Gn. Disseminated Po and semimassive Po at the contact of the sill.			Disseminated-mass	Po	M
285.37	285.49	Fine laths of bt mixed with disseminated Po at contact of sediments and sill.	bt	S						
285.49	298.05	Mod to locally strong silicification. Strong silicification associated with healed chl fractures that are also locally abundant.	silica chl	M M	Several thin veins of qtz + lesser Siderite with massive fine to med grained cubic Py with fine blebby Gn. Trace CPy. Dendritic fine black grey sulphasalts Tetrahedrite or Jamasonite.	Vein	M	Vein host Vein hosted	Py Gn, CPy, Ag	S VW
298.05	310.58	Mod to locally strong silicification associated with healed chl fractures.	silica chl	M M	Disseminated to blebby Po that appears to be bedded.			Disseminated	Po	W
298.05	298.5	Strong pervasive chl alteration causing dark green colour with fine biotite.	chl bt	S M						

Drill hole	Sample Number	Location			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au
		From	To	Interval	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPB
ED12-03	1581414	9.67	10.67	1.00	0.3	10.7	14.6	68	<0.1	12.8	6.8	148	2.15	5.5	0.7
ED12-03	1581415	13.27	14.27	1.00	0.3	13.5	12.5	99	<0.1	14	6.8	145	1.81	2	<0.5
ED12-03	1581416	16.02	17.02	1.00	0.5	39.2	29	79	<0.1	21.2	12.6	179	2.98	3.8	<0.5
ED12-03	1581417	28.92	29.92	1.00	0.3	25.9	9.8	46	<0.1	12.4	6.9	178	2	1.5	1.2
ED12-03	1581418	41.96	42.96	1.00	0.2	290.9	8.9	60	0.2	41.7	28.3	529	3.64	20.1	15.9
ED12-03	1581419	62.09	63.09	1.00	1.7	35.5	18.1	93	<0.1	28.1	13.2	675	3.47	0.9	3.8
ED12-03	1581420	63.09	64.09	1.00	1.3	31.5	29.3	142	<0.1	25.4	11.7	638	3.19	1.2	2.1
BLK	1581420 a				<0.1	3.4	2.6	46	<0.1	3.6	4	543	1.83	<0.5	<0.5
ED12-03	1581421	64.09	65.09	1.00	3.2	37.9	30.8	105	<0.1	25.4	11.9	513	3	0.9	2.7
ED12-03	1581422	65.09	65.89	0.80	3.8	54.1	43.8	158	0.1	28.9	11.9	375	3.17	0.6	<0.5
ED12-03	1581423	65.89	66.69	0.80	3.4	51.5	27.1	91	<0.1	27.3	13.2	345	3.05	<0.5	<0.5
ED12-03	1581424	66.69	67.49	0.80	1.3	25.9	40.7	107	<0.1	25	10.5	584	2.9	1.3	<0.5
ED12-03	1581425	67.49	68.49	1.00	1.8	28.1	42.1	89	<0.1	29	11.9	472	2.94	1.2	<0.5
ED12-03	1581426	68.49	69.59	1.10	1	18.2	37.3	94	<0.1	22.4	9.7	515	2.81	1	1.9
ED12-03	1581427	69.59	70.59	1.00	1.4	20.6	26.6	92	<0.1	25.3	10.8	482	2.86	1	1.7
ED12-03	1581428	70.59	71.59	1.00	0.7	17.1	37.9	110	<0.1	21.5	10	598	3.04	<0.5	2.3
ED12-03	1581429	71.59	72.59	1.00	1	25.8	28.5	88	<0.1	24	10.9	475	2.92	0.7	<0.5
ED12-03	1581430	72.59	73.39	0.80	1.7	29.5	60.7	106	0.2	22.9	10.7	552	3.04	<0.5	1.1
ED12-03	1581431	73.39	74.39	1.00	4.3	44.9	58.5	85	0.2	22.8	11.1	428	2.72	0.9	1.1
ED12-03	1581432	74.39	75.39	1.00	4.3	46.7	271.8	182	0.4	27.3	12.2	630	3.33	1	1.1
ED12-03	1581433	76.12	77.12	1.00	0.6	16.8	40	31	0.1	9.6	5.1	224	1.5	2	3
ED12-03	1581434	77.12	78.12	1.00	0.7	17.1	10.9	37	<0.1	13.3	7.3	212	1.78	5.8	<0.5
ED12-03	1581435	84.41	85.41	1.00	0.3	31.6	17.6	58	<0.1	16.8	10.5	263	2.5	3	<0.5
ED12-03	1581436	100.21	101.21	1.00	2.7	26.9	24	98	<0.1	24.1	11.6	763	3.42	<0.5	<0.5
ED12-03	1581437	101.21	102.21	1.00	1.4	27.2	23.2	111	<0.1	25.6	12	665	3.28	<0.5	<0.5
ED12-03	1581438	102.21	103.21	1.00	2.2	27.3	14.2	108	<0.1	25.5	11.5	541	3.18	<0.5	1.6
ED12-03	1581439	103.21	104.21	1.00	1.4	29.5	13	94	<0.1	23.2	11.8	345	3.11	<0.5	1.1
ED12-03	1581440	104.21	105.21	1.00	2.2	29.4	29.4	113	<0.1	25.9	11.4	532	3.41	<0.5	<0.5

BLK	1581440	a				0.1	2.7	2.8	46	<0.1	3.8	4	570	1.88	<0.5	<0.5
ED12-03	1581441		105.21	106.21	1.00	4.7	34.3	21.8	95	<0.1	27.2	12.2	391	3.12	2.9	1
ED12-03	1581442		106.21	107.21	1.00	1.3	37.4	20.3	85	<0.1	23.5	12.2	405	3.24	<0.5	1.2
ED12-03	1581443		107.21	108.21	1.00	1.8	29	18.5	83	<0.1	23.7	11.7	549	3.29	<0.5	<0.5
ED12-03	1581444		108.21	109.21	1.00	0.9	32.2	11.4	78	<0.1	22.1	10.5	270	3.2	<0.5	<0.5
ED12-03	1581445		109.21	110.21	1.00	1.3	33.2	12.8	100	<0.1	25.4	11.9	260	3.2	<0.5	0.6
ED12-03	1581446		110.21	111.21	1.00	3	43.6	36.4	110	<0.1	28	13.1	641	3.59	<0.5	1
ED12-03	1581447		111.21	112.21	1.00	3.1	32.6	41.7	137	<0.1	26.2	10.5	540	3.12	<0.5	0.5
ED12-03	1581448		112.21	113.21	1.00	2.9	47.9	36.5	130	<0.1	25.8	13.9	450	3.47	2.6	1
ED12-03	1581449		113.21	114.21	1.00	3.4	38.4	35.8	151	<0.1	27.1	11.6	517	3.18	4.7	<0.5
ED12-03	1581450		114.21	115.21	1.00	3.1	34	53.8	147	<0.1	30.7	12.4	627	3.05	<0.5	2
ED12-03	1581451		115.21	116.21	1.00	1	15.1	38.3	123	<0.1	22.3	10.5	1098	3	0.5	0.6
ED12-03	1581452		116.21	117.21	1.00	1.3	15.9	38.4	118	<0.1	23.3	10.9	1131	3.09	0.6	0.5
ED12-03	1581453		117.21	118.21	1.00	2.1	25	30.1	117	<0.1	26.9	12.2	1048	3.23	<0.5	1
ED12-03	1581454		118.21	119.21	1.00	1.1	28.9	29.8	112	<0.1	25.7	12.4	976	3.13	1.7	<0.5
ED12-03	1581455		119.21	120.01	0.80	1.6	37.5	33.5	114	0.1	25	10.7	739	2.98	<0.5	<0.5
ED12-03	1581456		120.01	120.81	0.80	0.3	33.6	93.3	156	0.4	14.7	9.7	197	2.32	1.5	<0.5
ED12-03	1581457		124.50	125.50	1.00	0.6	15.4	10.3	57	<0.1	16.9	8.8	299	2.25	3.9	1.7
ED12-03	1581458		141.73	142.73	1.00	1.8	41	82	113	0.4	22.5	11.7	494	3.06	<0.5	<0.5
ED12-03	1581459		145.20	146.20	1.00	1.3	21.8	19.2	104	<0.1	19.8	9.7	483	2.8	<0.5	<0.5
ED12-03	1581460		146.20	147.20	1.00	1.4	46.1	27.2	110	<0.1	21.1	11.8	389	3.07	<0.5	<0.5
BLK	1581460	a				<0.1	3.1	3	45	<0.1	3.7	4.1	574	1.9	<0.5	<0.5
ED12-03	1581461		147.20	148.20	1.00	0.8	21.5	24.2	130	<0.1	25.1	11.9	542	3.45	<0.5	<0.5
ED12-03	1581462		148.20	149.20	1.00	1.1	24.3	79.9	107	0.1	21.9	12.2	481	2.94	<0.5	<0.5
ED12-03	1581463		149.20	150.20	1.00	1.4	11.5	34.4	71	<0.1	14.6	7.4	895	2.37	<0.5	<0.5
ED12-03	1581464		150.20	151.20	1.00	2.4	25.3	22.9	93	<0.1	15.2	8.8	543	2.4	1.1	<0.5
ED12-03	1581465		151.20	152.20	1.00	2	19.4	26.9	114	0.1	23.6	10.2	798	3.37	<0.5	2
ED12-03	1581466		152.20	153.20	1.00	1.3	30.3	31.4	75	<0.1	21.4	11.7	329	3.15	<0.5	2.4
ED12-03	1581467		153.20	154.00	0.80	0.7	33.3	17.1	46	0.2	17	10.8	164	2.61	<0.5	0.8
ED12-03	1581468		154.36	155.36	1.00	<0.1	18	8.4	19	<0.1	7.2	6.9	282	1.56	<0.5	2.1
ED12-03	1581469		156.25	156.75	0.50	0.5	20.4	60.5	37	0.4	15.6	9.1	220	2.46	1.8	1.5

ED12-03	1581470		163.23	163.73	0.50	0.1	35.4	44.7	72	<0.1	18	11.6	252	3.07	<0.5	<0.5
ED12-03	1581471		163.73	164.73	1.00	0.6	31	15.6	35	<0.1	16.7	9.4	255	2.51	<0.5	<0.5
ED12-03	1581472		164.73	165.63	0.90	1.1	14.5	6.6	56	<0.1	16.2	7.7	418	3.01	<0.5	1.5
ED12-03	1581473		165.63	166.03	0.40	2.3	28.6	11.6	56	<0.1	27	14.7	627	3.91	<0.5	1
ED12-03	1581474		166.03	167.03	1.00	1.8	18.3	33.1	150	0.2	28.9	11.6	538	3.95	0.7	1.3
ED12-03	1581475		167.03	168.03	1.00	2.7	40	90.4	123	0.2	28.5	13.2	524	3.51	<0.5	<0.5
ED12-03	1581476		168.03	169.03	1.00	3.4	41.1	64.3	98	0.2	30.9	13.1	516	3.79	<0.5	<0.5
ED12-03	1581477		169.03	170.03	1.00	4.1	39.9	45.4	76	0.2	29.3	13.2	510	3.67	<0.5	<0.5
ED12-03	1581478		170.03	170.73	0.70	1.3	36.5	11.7	32	<0.1	17.9	9.2	182	2.27	<0.5	<0.5
ED12-03	1581479		171.12	172.12	1.00	0.6	41.1	216.3	27	1.4	18	10.3	193	2.19	6.5	0.9
ED12-03	1581480		174.30	175.30	1.00	0.2	43.5	10.9	68	<0.1	26	14	615	4.88	2	<0.5
BLK	1581480	a				<0.1	3	3.4	47	<0.1	4	4.2	573	2	<0.5	<0.5
ED12-03	1581481		178.80	179.80	1.00	0.6	200.9	31.4	72	0.2	76	51.8	483	8.04	<0.5	<0.5
ED12-03	1581482		185.90	186.90	1.00	0.5	17	9.6	44	<0.1	11.4	7.6	205	2.23	<0.5	<0.5
ED12-03	1581483		190.50	191.50	1.00	1	877.1	77.5	112	1.2	29.3	31	677	5.5	1.8	3.2
ED12-03	1581484		200.15	201.15	1.00	0.7	52.6	34.9	117	0.3	29.4	32.2	735	6.1	10.2	<0.5
ED12-03	1581485		201.15	201.88	0.73	0.4	47.8	39.6	116	0.3	32.4	42.8	799	6.22	34.4	0.9
ED12-03	1581486		201.88	202.38	0.50	6.9	64.3	32.5	80	0.5	27.9	37.1	2414	7.56	29.9	2.8
ED12-03	1581487		202.86	203.86	1.00	1.2	39.5	31.1	111	0.3	26.3	30	782	5.89	9.3	<0.5
ED12-03	1581488		206.10	207.10	1.00	2.3	32.4	42.2	141	0.4	31.2	39.9	1468	8.95	12.8	<0.5
ED12-03	1581489		215.30	216.30	1.00	2.1	410.4	30	38	0.9	2.2	28.2	872	5.51	<0.5	3.7
ED12-03	1581490		217.18	217.68	0.50	1.2	385.1	9.9	59	0.2	0.6	25.7	749	5.62	<0.5	<0.5
ED12-03	1581491		226.35	227.35	1.00	1.2	40.7	4.4	106	<0.1	4.5	43.4	673	6.82	11.7	11.8
ED12-03	1581492		244.68	245.18	0.50	1.4	278.4	16.4	97	0.3	49.4	46.6	1180	7.17	4.1	27.2
ED12-03	1581493		261.34	262.34	1.00	1	219.7	28.2	66	0.2	15.1	22	609	3.9	8.4	4
ED12-03	1581494		285.23	286.23	1.00	0.5	74.6	160.6	53	2.3	17	14.3	547	3.19	3.7	0.9
ED12-03	1581495		286.23	287.23	1.00	0.4	27.6	82.8	24	1.4	10.9	6.9	294	2.11	2.7	3.6
ED12-03	1581496		298.05	300.05	2.00	1.1	32.1	19.5	137	<0.1	22.7	12.8	308	3.84	12.7	<0.5

Location From	To	Lithology Description	Structure Description	Location	Type	AtoC
0	3.05	Casing.				
3.05	18.92	Siltstone (60) Argillite (30) Quartzite (10). Mixed lithologies with LOTS OF FRACTURING and rough breaks between lithologies with weathered faces suggesting boulders. Breaks look more like bedrock after 8.23. Light brown yellow to dark grey with slight green. Rip up clasts and gouge suggest turbulent deposition.	Abundant Iron carb healed fractures mostly at very low angles to core with iron oxide (hem) developed within. Some stringers have bleaching alteration halo.	13.64 11	B Fr	64 10
			Thin qtz vein at low angles to core axis producing a silicification of the host along with chl clots and Iron carbonate halos.	16.1	V	10
			Some thin Iron carb veins parallel to bedding likely NOT a different phase of fracturing.			
18.92	41.16	Siltstone (40) Argillite (40) Quartzite (20). Mixed lithologies. Some thin bedded Turbidite intermixed with coarse thickly bedded silty Quartzite. Less fractures than previous interval. Most of the interval has pale brown yellow tinge from fracture cont alteration. Some green grey to blue grey. Strongly gouged beds.	Iron carb fracture veins at various angles to core axis. Some have bleaching halos.	26.05	B	65
			qtz + Fe carb + chl vein producing an alteration zone of silica + chl + Fe carb.	32.43 27.28 22.63	Fr V V	40 15 10
			Layer parallel fault gouge with clean breaks on either side but has mod silicification halo and increased Mn fern growth. Fault is 8 cm thick.	35.24	F	70
41.16	54.25	Siltstone (50) Argillite (50) mod dolomitic. Med to thinly well bedded finely well laminated. Dark grey to black locally pale green yellow and mauve tinged in silicification zones. Very quiet sedimentation. Only minor flow textures in coarser grained units.	Bedded sulphides in laminations up to 0.5 cm.	45.05	B	65
			Mod angle white qtz + cal veins with chl developed along vein margins.	48	V	25
			Very low angle qtz chl fractures healed by silicification but produce a bleeding effect into host away from vein.	44.66	V	5
54.25	67.56	Siltstone (50) Argillite (40) Strongly dolomitic. Med to thin to very thinly well bedded. Finely well laminated. Med to dark grey with brown tinge in dolomitic laminated beds. Locally faint yellow green from alteration. Fairly quiet sedimentation. Minor gouge marks and lensy (wavy) laminations. Graded bedding markers mod. Interrupted by periods of Turgidities.	Bedded sulphides aligned along lam as blebs or as massive laminations. qtz + Fe carb veins also occur bed parallel.	56 55.83	B V	70 70
			Low to mod angle qtz + chl + sulphide vein with almost breccia appearance as qtz is almost equigranular with chl and sulphide masses. Surrounded by silicification and chl alteration.	54.27	V	40
			Low angle qtz + Fe carb vein with chl + ser plated margins. Vein hosts Gn + Sp + Py.	55.4	V	35
			Bifurcating low angle thin cal + qtz veins.	67.35	V	25
67.56	88.08	Siltstone (50) Argillite (50) Very weakly dolomitic. Med to thin to very thinly bedded finely well laminated. Med to dark grey locally pale to dark green or pale yellow from alteration. Finely laminated quiet periods interrupted by fine silty Turgidities with minor sedimentary fragmental. @ 71.35m is a conglomerate bed ~1 cm thick with clasts of rounded black Argillite. Minor gouge marks and angular rip-up clasts. @ 86.89 R + 13 marker bottom.	Bed sulphides as blebby laminations to massive sulphides and layer parallel veins hosting sulphides.	71.82	B	65
			Mod angle qtz + cal stringers and veinlets. Vein hosts chl and rare sulphides.	74.47	V	40
			Very low angle qtz + cal + sid vein hosting Gn + Sp + Py. Developed into a stockwork vein zone with 90% host rock. Veins become irregular and peel apart bedding.	78.85	V	25

			Strong fine fracturing qtz stringers mostly at low angles to core axis.	83.31	Fr	20
			Low angle qtz + Sulphide vein associated with strong silicification and chl alteration. Magnetic Po and Py.	76.5	V	10
88.08	99.56	Siltstone (70) Argillite (20) Quartzite (10). Mod dolomitic. Med to thickly mod to poorly bedded locally thinly bedded. Dark green to med yellow grey originally med to dark grey. Mostly turbulent silty beds with minor to no marker laminated beds. Gouge marks and rip-up clasts (fragmentals) rare. Bedding is obscured by alteration.	Disseminated to laminated bed parallel sulphides and veins.	90.44	B	70
				90.51	V	70
			Low angle qtz + Fe carb veins with spotty chl hosting sulphides of various mineralogies. One vein runs down the length of the core and pinches down hole in coarse silts (unexplained). Vein starts as ~2 cm thick. Vein is cut by mod angle qtz + Fe carb stringers but appears syngenetic.	89.21	V	0
			Layer parallel 3 cm fault gouge of grey brown clay and fragments of Arg. Layer parallel vein occurs above fault.	92.39	F	70
				92.32	V	70
			2 cm low angle qtz vein with Fe carb margins hosts polymetallic sulphides with associated chl + silicification.	93.8	V	5
			qtz + chl stringer with Po + CPy developing in vein and spreading into fractures similar to healed chl fractures.	99.26	V	5
99.56	122.65	Siltstone (60) Argillite (40) Very weakly Dolomitic. Med to dark grey locally bleached to pale yellow grey and minor green. Med well bedded localy thinly well laminated. Only very few lengths of quiet sedimentation, mostly silty interbeds with gouge marks and load structure. Some rip-up clasts also sedimentary fragmentals @ 121.70.	Laminated and vein hosted Py. Veins are rare.	101	B	75
			Mod angle qtz + Fe carb veins hosting sulphides have irregular margins and warp through strongly mineralized laminations. Vein at 104.66 is <1 cm with Gn + Sp + Tet?	104.66	V	40
		@ 104.19 'R' marker bottom.	4 cm vein of white qtz + cal in silicified + chl alteration zone. Vein is at very low angle to core. A similar vein higher in interval hosts fine Po.	109	V	10
			qtz + cal veinlets at mod angles to core. Some have irregular orientations and host blebby Py.	109.31	V	55
			qtz + Fe carb vein at mod angle to core with Fe carb breccia along lower margin. Vein hosts black Graphite.	118.6	V	40
122.65	139.21	Siltstone (60) Argillite (40). Med mod bedded locally med well laminated. Pale yellow grey from alteration. Originally med to dark grey black. Mod to strong soft sediment deformation of sedimentary fragmentals with large <3 cm clasts, rip up clasts, deep gouges and an abundance of silty material.	The interval has strong fracturing and rubble core due to abundant qtz veins. New style of vuggy qtz vein occurs in the interval at mostly mod angles to core. Layer parallel Sulphide appears to be absent from the zone, possibly leached out by alteration fluid.	126.17	B	70
				132	V	20
			Very low angle qtz + Fe carb veins with sulphides developed in alteration zones. Have chl margins and are cut by vuggy veins.	127.12	V	5
139.21	161.29	Siltstone (20) Argillite (80). Moderately dolomitic from 143.98 to 161.29. med to thin to very thinly well bedded finely well laminated. Med to dark grey black locally rare pale yellow tinged beds. Weak soft sediment deformation of rip up clasts in upper part of unit. Quiet sedimentation in dolomitic unit.	Blebby to disseminated sulphides. Sometimes with layer parallel veins hosting sulphides.	140.66	B	70
			20 cm qtz + Fe carb vein hosting strong sulphides is layer parallel. Fine fractures occur in HW and above that is coarse disseminated cubic Py.	140.88	V	70

			Several other thin veins hosting sulphides of Gn +/- Sp. All are less than 1 cm. The vein at 156.92 is cut and offset by layer parallel vein at 157. Some stringers of massive Py in irregular orientations.	147.75 148.35 152.44 155.97 156.92	V V V V V	30 30 10 25 35
161.29	175.23	Siltstone (60) Argillite (40). Med to thinly mod bedded locally med poorly lam. Pale yellow green grey colour from alteration. Original colour is med to dark grey to black. Some strong soft sediment texture including rip up clasts and deep gouges. Coarse clastic sedimentary fragmental. Fine ser speckling in black argillaceous beds.	Minor layer parallel blebby sulphides and layer parallel qtz + Sulphide veins <1 cm. Low angle qtz Fe carb veins hosting polymetallic sulphides. Most are 1 cm or less. One vein is ~ 20 cm true width hosts ~10% sulphides and fragments of wall rock. This vein is at 165.58. Alteration has obliterated bedding around some veins. Irregular qtz + sid + ser stringers seem to be associated with alteration.	166.18 166.17 165.58 164.54 165.15 168.34	B V V V V V	65 65 15 15 20 25
175.23	181.26	Siltstone (60) Argillite (40). Med to thinly poorly bedded locally finely well lam below alteration. Alteration is pale yellow green grey. Med to dark grey to black unaltered sediments. Mod gouge marks and rip up clasts but mostly silty graded Turgidities. Weak turbulent flow. Interval is highly fractured.	No layer parallel sulphides. ~10 cm true width qtz + Fe carb breccia vein ~25% wall rock fragments at mod to low angle to core appears to cut stringer qtz veins. Fine irregular qtz + Fe carb stringers hosted in alteration zones.	179.81	B Bx	75 25
181.26	190	Siltstone (60) Argillite (40). Med to thinly mod bedded locally fine mod lam. Med to dark grey-black. Locally pale yellow to dark green due to alteration. Turbulent sedimentation with rip up clasts and squashed sedimentary fragmentals with 1 cm size (long axis) clasts. Some strong gouge marks.	Weak layer parallel sulphides and rare veins parallel to bedding. One vein @ 184.92 hosts semi-massive Py <1 cm thick with a second vein at 184.88 hosting Po + Gn. Almost all layer parallel veins have Sp + Gn + Po +/- Py in them. All are <1 cm thick. Very low angle qtz + chl veins associated with alteration zones.	183.79 184.92 184.88 189.54 189.53 187.5 185.18	B V V V V V V	75 75 75 75 75 75 0
190	211.41	Siltstone (40) Argillite (60) Strongly dolomitic. Med to thinly well bedded. Finely well lam. Med to dark grey to black. Extremely quiet sedimentation interrupted by thick sequences of graded Siltstone. Some sections of wavy cal rich lams could be stromatolites. Almost entirely unaltered.	Mod layer parallel sulphides of mostly fine blebby Po. Some layer parallel qtz veins host sulphide and do not exceed 1 cm thick. Veins are not vuggy and host Py +/- Po, Gn +/- Sp +/- Tet. Fracture and veined 4 cm wide zone of semi-massive to blebby Po and qtz veining hosting Cp. FW of zone is bedding parallel while HW is irregular due to white qtz veining.	191.68 191.18 192.78 198.7 201.38 203.03 200.27	B V V V V V V?	70 70 70 70 70 70 70
211.41	230.95	Siltstone (60) Argillite (20) Quartzite (20) No cal. Med to thinly mod bedded. Locally med wavy mod lam only in unaltered zones. Originally light to med grey to black but alteration to dark green or pale yellow patchy green grey. Wavy to gouged bedding	Rare laminated sulphides and payer parallel veins. Very low angle qtz + chl veins in alteration zones. One at 229.86 hosts Gn + Sp + Py.	217.98 211.48 229.86	B V V	70 5 75

		with sedimentary fragmentals and rip up clasts suggest turbulent sedimentation. Most sediment features are obliterated by alteration.	Layer parallel qtz + sid + Graph shears with fine Py. Shears are 5-8 cm thick and are 80 cm apart.	214.16 214.96	F F	75 75
			Vuggy qtz + cal + chl vein not observed before with fine Py at very low angle to core axis. Vein is ~2 cm thick with parallel chl fracture around.	223.73	V	5
			Wavy veins in a qtz + ser + Fe carb fault gouge breccia ~20 cm thick. There is a sense that layering in the FW is warped.	224.53	F	40
			Veins of qtz and sid are more abundant in the alteration zones. May have regular mod angles. Some are vuggy.	219.58	V	35
230.95	245.35	Siltstone (30) Argillite (70) Strongly dolomitic. Med to thinly well bedded thin well lam. Light to dark grey with brown tinge due to cal content. Mostly quiet sedimentation with marker beds at top of interval and very little soft sediment deformation. Wavy to irregular bedding with high cal content could be Stromatolites.	Layer parallel blebby to crystalline to laminated sulphide developed irregularly in cal laminations. Some rare layer parallel veins host mostly Py but can have Sp or Cp. None were observed hosting Gn.	231.97 244.36	B V	65 65
			Mod angle smokey qtz and brown beige sid with Py in fine blebs between crystal growth faces.	233.15	V	25
			These veins become very low angle and one vein passes in and out of core and is truncated by sulphide lam along bedding. Difficult to tell the relationship between two features (PHOTO).	243.6	V	0
245.35	255.71	Siltstone (60) Argillite (30) Quartzite (10) Weakly dolomitic. Med poorly bedded locally finely weakly lam. Med to dark grey. Locally green tinged in alteration. Some gouge marks and rip up clasts. Weak sedimentary fragmental and graded silty beds suggest weakly turbulent flow.	Layer parallel sulphides occur outside of alteration zone in thin lams. Rare layer parallel qtz veins host Py and Gn @ 246.85. Another vein changes from bedding parallel to low angle which could explain the two min vein sets.	253.05 246.85 252.11	B V V	70 70 70-10
			Mod angle qtz + sid veins common in alteration zone host only Py.	251.12	V	35

Alteration					Mineralization			Sulphides		
From	To	Description	Min	Int	Description	Type	Dens	Style	Min	Int
3.05	18.92	Fracture controlled Iron Carbonate alteration in mod density. Some minor chl crystals replacing gypsum.	Fe carb	M	Surface weathering of Fe carb and possibly Fe sulphides has produced an abundance of jar and hem in fractures, veins and disseminated in host.	Fracs	M	None		
			chl	W	Thin extensional qtz vein smoky grey hosts Py and produces silicification.	Veinlet	VL	None		
		Most of the core has been softened by pervasive ser clt. In some cases, fine white Muscovite crystals can be seen.	ser	M						
16.08	16.49	Silicification associated with qtz veining and accompanied by chl clots and Fe carb halos.	silica	S						
			Fe carb + chl	M						
18.92	41.16	Mod fracture controlled Fe carb alteration with ser perv turning rock pale brown. Fe carb is also spotty.	Fe carb	M	Very fine rare specks of weathered Disseminated Py.			Disseminated	Py	VW
			ser	M	Irregular qtz Fe Oxide veins (hem) seam to parallel Fe carb fractures.	Veinlet	VL	None		
27.19	27.54	Silicification associated with a vein.	silica	M		Fracs	M	None		
33.79	36.62	Silicification and Manganese fern growth around 8 cm fault.	silica	M	Some veins are layer parallel with strong jar + hem staining.	Veinlet	VL	None		
			Mn	W						
41.16	54.25	Mostly unaltered. Possible very weak pervasive ser softening core. Spotty chl replace of gypsum.	ser	VW	Disseminated to blebby Po occurs throughout interval but becomes more bed parallel lower in the interval. Lam Po and Py and is magnetic. Lams are up to 0.5 cm.			Disseminated-Lam	Po + Py	M
			chl	W	Thin Calcite + qtz + chl are in regular orientations to core and rarely host Po.	Veinlet	L	Vein host	Po	W
		Low density and weak fractures cont cal alteration.	cal	W						
		Disseminated and laminated sulphides.	Po	M						
44.36	44.84	Silicification and speckled to spotty cal associated with healed chl fractures.	silica + cal + chl	S-M						
54.25	67.56	Mostly unaltered. Possible very weak ser softening of the sediments. Speckled cal throughout (could be bed).	ser	VW	Disseminated and blebby Po and Py forming thin laminations and rarely bed parallel veins.			Disseminated-lam	Py + Po	M
			cal	S	Thin cal veins. Irregular and discont host rare Po + Py and chl.	Veinlet	L	Vein host	Py + Po	VW
54.25	54.48	Silicification and healed chl fractures with speckled chl and matrix Calcite.	silica	S	A single 2 cm qtz + cal + sid vein with chl plated margins hosts fine Py + Sp + Gn developed along qtz crystal faces and within chl margins.	Vein	L	Vein host	Py + Sp + Gn	M
			chl	M						
			cal	M						
70.24	70.58	Three zones of silicification, speckled to pervasive.	silica	S	Disseminated to lam Py and Po. Po is magnetic. Lam in fine grained Argillites and disseminated in coarse Turbidites.			Disseminated-Lam	Py + Po	M
72.77	73.29	chl alteration and chl healed fractures and speckled to patchy Calcite. Deepest zone is	chl	S	qtz + cal stringer veins with rare Po or Py. Irregular and pinching out.	String	L	Vein host	Py + Po	W

76.42	76.99	strongest alteration and has qtz sulphide vein associated with it.	cal	W	Low angle qtz + chl vein in silicifica alteration zone hosting massive granular Po (magnetic) and Py mized with chl along vein margins.	Vein	L	Vein host	Py + Po	M
80.65	84.52	qtz fracturing zone in sub-stockwork of 90% host rock. Frac cont silica alteration. Several beds have been alteration to pale yellow brown ser alteration.	silica	M						
			ser	M	Low angle to irregular smokey grey qtz + white cal + beige Siderite with dark green chl (not along margins) veins in zone host Py cubes with fine Gn and brown Sphalerite. Py developed along bedg and coule be remob.	Vein	L	Vein host	Py + Gn + Sp	M
78.8	79	Stockwork vein zone. Weak beige tinged sediments suggests weak ser alteration.	ser	W						
88.08	99.56	Almost the entire interval is strongly silicified and chl alteration pervasively including healed chl fractures. Alt is associated mainly with polymetallic sulphide qtz veins with lesser amounts of cal. Both vein hosted and speckled.	silica	S	Disseminated to laminated Py and Po and hosted in rare layer parallel veins.			Disseminated-Lam	Py + Po	W
			chl	S		Veins	L	Vein host	Py + Po	W
			cal	W	Several qtz + sid veins from 2mm-3cm hosting chl and sulphides. Mostly cubic Py and blebby Po, but in some cases CPy and in one vein at 93.80 hosts all of the above + Gn. qtz is white to smokey grey.	Veins	M	Vein host	Py + Po	S
91.07	91.45	Irregular blotchy Calcite concretions in black matrix.	cal	S				Vein host	CPy + Gn	W
					Veins are cut by mod angle qtz + sid irregular stringers but in some cases merge, suggesting syntectonic formation.	String	L	None		
104.58	106.16	Rock is slightly tinged to grey yellow and is soft. Probably a weak ser alteration.	ser	W	Disseminated + Laminated Py and blebby Po.			Disseminated-Lam	Py + Po	W
119.51	122.65				Very low angle qtz + cal + chl veins with surrounding silicification and chl alteration. These veins commonly host Py + Po as blebby masses and cubic Py.	Veins	M	Vein host	Py + Po	M
108.69	109.78	Silicification and speckled to pervasive chl with healed chl fractures associated with qtz vein (+ cal).	silica	S						
			chl	M	Mod angle qtz + sid veins with irregular margins mostly <1 cm and host Py + Gn + Sp with rare black sulphides and Graphite.	Veins	M	Vein host	Py + Gn + Sp	W
99.56	122.65	Speckled chl as replacement of gypsum.	chl	W				Vein host	Tet	VW
122.65	139.21	Patchy pervasive silicification overprinting ser alteration and/or Fe carb alteration. Alt is associated with mulriple phases of hydrothermal veining including a late-phase vuggy vein.	silica	S	Very limited disseminated to blebby Py + Po in coarse unaltered sediments.			Disseminated	Py + Po	VW
			ser	S	Very low angle qtz + sid + chl veins in alteration zones hosting fine cubic Py and Sphalerite. Veins are commonly less than 1 cm.	Veinlet	L	Vein host	Py +Sp	W
			Fe carb	M	Mod to low angle vuggy qtz + sid veins host blebby Py. Veins can be bxd hosting angular fragments of wall rock. These veins bifricate and truncate. Could be stronger versions of common qtz + sid veins.	Veinlet	H	Vein host	Py	M
		Some minor platy chl occurs along fracture plane with some minor Graphite.	chl	W						
123.25	123.84	Core fractured to rubble by vuggy veining.								
127.9	129									
134.1	134.52									
140.88	141.08	qtz vein layer parallel with strong sulphides. Massive white qtz.	vein	VS	Disseminated-Blebby to laminated Py or Po. Po occurs below 20 cm vein but ends at cal dolomitic			Disseminated-Lam	Py or Po	M

					unit. Cubic disseminated Py occurs above 20 cm qtz vein.					
143.98	161.29	Not alteration but Dolomitic finely lam unit.	cal	S	20 cm vein is coarse white qtz with pale green yellow crystal growth margins (chl). Fragments of host rock are included and aligned to vein orient. Fine pale yellow beige sid occurs in the center of the vein. Coarse mass blebs of Sp are hosted in qtz with med grained cubic Py masses and fine dendritic to semimassive Gn. Combined sulphides ~10% of vein. Other veins are similar comp though much thinner.	Vein	M	Vein host	Py + Sp + Gn	S
161.29	175.23	Patchy to pervasive ser + chl +/- Fe carb alteration throughout interval, although some zones seem unaltered.	ser	S	Blebby and disseminated to weakly laminated Py.			Disseminated-Lam	Py	W
			chl	M	Polymetallic qtz + sid + chl veins are the same as in previous interval with the exception that none are layer parallel and the thick one hosts fine blebby CPy.	Veins	M	Vein-host	Py + Sp + Gn + Cp	S
		ser healed fractures and also chl concretions >1 cm.			Fine stringers of qtz + sid in alteration zones sometime host blebby Py.	String	H	Vein host	Py	W
161.29	165.31	Silicification due to strong, non-polymetallic veins.	silica	S						
166.63	171.98	(May have Py) especially where healed veins occur.								
173.67	175.23	Not around large vein.								
165.58	166.12	Polymetallic qtz vein.								
175.23	178.6	Patchy to pervasive ser + chl +/- Fe carb alteration. Includes ser healed fractures and chl concretions.	ser	S	10 cm qtz + ser + wall rock breccia with blebby and disseminated Py and vuggy margins may be related to vuggy veins and ser + chl alteration.	Vein	M	Vein host	Py	W
			chl	M	Fine qtz + sid stringers in alteration zone.	String	M	Vein host	Py	W
175.23	177.36	Silicification associated with stringer veins and vein breccia	silica	S						
176.47	176.68	Vein breccia.	vein	S						
181.33	181.63	Patchy to pervasive chl alteration with healed chl fractures from overprinting silicification. Minor ser			Blebby to disseminated to lam Py +/- Po only in unaltered sediments.			Disseminated-Lam	Py + Po	W
185.04	187.26	alteration only at top of second interval. Alt is associated with very low angle qtz + chl +/- Py + Po.			Layer parallel smokey white qtz with patchy coarse Siderite. Sulphide composition is mainly Py with Po + Gn + Sp also common. All veins in interval are located. Veins are <1 cm.	Veins	M	Vein host	Po Po Gn Sp	M
					Very low angle irregular and discontinuous >1 cm qtz + chl +/- Py/Po associated with silicification and chl alteration.	Vein	L	Vein host	Py + Po	W
190	195.73	Not altered although some intervals are more limey than the rest. Other intervals do not effervesce with acid.	cal	S	Mod to strong layer parallel blebby sulphides to fine laminated lenses of Po +/- Py. Strongest lams tend to be with calcite.			Disseminated-Lam	Py Po	M
198.89	199.37				Layer parallel smokey grey to trans qtz with coarse	Vein	L	Vein host	Py Po Gn	M

					sid and no vugs. Host different composition of sulphides but common varieties are Po + Py + Gn + Sp +/- Tet?				Sp Tet	
201.12	211.02				Semimassive to bedded Po ~ 4 cm thick with turbulent bedded host rock ~70% and white qtz veins in HW contact with Cp.			Vein host	Po	S
								Vein host	Cp	M
					Cubic Py developed along bedding in cal fractures zone.			Bedd	Py	W
211.41	212.7	Silicification accompanied by chl healed fractures or chl concretions. Stronger alteration zones have ser overprinting chl with the same healed vein to vein halos. Silicification overprints all other alteration.	silica	S	Disseminated to layer parallel laminations of Py +/- Po can be blebby. Not developed in alteration.			Disseminated-Lam	Py + Po	W
216.27	220.63		chl	S	Abundant mod angle qtz sid veins. Veins in alteration do not commonly host min. But outside can host blebby to semimassive Py and lesser Po.	Veinlet	M	Vein host	Py + Po	M
221.9	222.8		ser	S	Layer parallel shears and layer parallel fault gouge breccia host fine Py in gouge and qtz.	Faults	L	Shear	Py	W
223.43	226.3				Vuggy vein hosts fine cubic Py.	Vein	L	Vein host	Py	W
227.6	229				Trans smokey grey qtz and fine sid hosts Gn + Sp + Py.	Vein	VL	Vein host	Gn + Sp + Py	W
229.78	230.95									
226.34	227.31	Muscovite speckled replacement of gypsum.	mus	M						
		No alteration except for primary Calcite from Stromatolites.		S	Disseminated to lam Po + Py. Developed into 1 cm semimassive laminations.			Disseminated-Lam	Py + Po	M
243.17	245.35	Low angle mineralized vein.			Bed parallel smokey trans grey qtz vein hosting Py + Sp + Cp near 0 angle vein.	Veinlet	VL	Vein host	Py + Sp + Cp	W
					Low angle qtz smokey trans grey and beige to brown sid hosting Po + Py + Cp + Sp + Gn running along the length of the core for ~2m. Other veins with similar min also occur in interval continues into next interval.	Veins	M	Vein host	Py + Po + Cp + Sp + Gn	M
245.35	251.44	Silicification overprinting chl healed fractures or chl concretions and one zone completely bleached by ser in middle interval.	silica	S	Disseminated to laminated Py or Po occurs only in unaltered zones.			Disseminated-Lam	Py + Po	W
252.66	252.91		chl	M	Layer parallel trans smokey grey qtz veins with beige to brown sid host Py + Gn +/- Sp. Only two <1cm veins in interval.	Veins	L	Vein host	Py + Gn + Sp	W
254.33	254.57		ser	M	Low angle qtz + sid vein from previous interval extends into interval.	Vein	L	Vein host	Py Po	M
245.35	245.68	Low angle vein extending into interval.			Some Py stringer veins are rare and appear to be related to lam sulphides.	String	VL	Vein host	Py	M

Drill hole	Sample Number	Location From	To	Interval	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	Au PPB
ED12-04	1620797	41.00	42.00	1.00	0.8	29.1	7.3	60	<0.1	19.4	11.1	215	2.78	6.8	1.2
ED12-04	1620798	42.00	43.00	1.00	0.5	37.5	5.4	59	<0.1	19.8	10.4	282	2.92	3.6	<0.5
ED12-04	1620799	43.00	44.00	1.00	0.4	21.1	4.4	77	<0.1	24.1	11.6	336	3.45	9.6	0.9
ED12-04	1620800	54.00	55.00	1.00	1.7	36.5	41	50	0.1	21	13.7	344	2.85	3.5	<0.5
ED12-04	1620801	55.00	56.00	1.00	1.3	34.8	276.4	94	0.5	19.6	14.1	307	2.92	18.2	4.2
ED12-04	1620802	56.00	57.00	1.00	2.3	47	33.4	71	0.1	25.3	14.8	292	3.21	8.1	1
ED12-04	1620803	63.00	64.00	1.00	0.6	22.6	66.7	110	0.1	23	12.2	992	2.77	22.7	1
ED12-04	1620804	71.00	72.00	1.00	0.8	24.3	14	72	<0.1	20.9	11.1	235	2.81	4.2	1.2
ED12-04	1620805	72.00	73.00	1.00	0.6	20	19.5	79	<0.1	19.5	10.6	300	2.96	4.7	0.8
BLK	1620805 a				<0.1	1.4	2.8	48	<0.1	3.9	4.2	542	1.84	<0.5	0.5
ED12-04	1620806	73.00	74.00	1.00	0.6	34.8	15.9	72	<0.1	20.1	11.4	322	2.85	2.3	0.5
ED12-04	1620807	79.00	80.00	1.00	1.4	30.3	1192.9	218	0.9	36.2	13	814	3.41	2.3	1.4
ED12-04	1620808	80.00	81.00	1.00	1.6	39.1	25.8	93	0.1	25.2	12.7	456	3.13	1.2	1.3
ED12-04	1620809	81.00	82.00	1.00	1.7	36.3	48.2	91	0.2	26.3	10.1	775	3.33	122.9	4.1
ED12-04	1620810	82.00	83.00	1.00	0.7	35.5	40.6	74	0.3	28	12.3	569	3.55	44.5	3.7
ED12-04	1620811	83.00	84.00	1.00	0.8	27.4	35.4	141	0.2	22.2	16.5	590	3.37	17.1	1.1
ED12-04	1620812	84.00	85.00	1.00	0.7	23.4	29.8	113	0.1	23.5	10.1	727	2.91	4.5	<0.5
ED12-04	1620813	89.00	90.00	1.00	0.2	12.2	73.7	40	0.3	6.6	4.1	196	1.04	7.3	3
ED12-04	1620814	92.00	93.00	1.00	0.7	22.6	8.5	59	<0.1	16.6	9.1	333	2.36	6.6	5.1
ED12-04	1620815	93.00	94.00	1.00	0.4	28.6	102	47	0.4	14.6	14.2	273	1.96	15.2	0.6
ED12-04	1620816	94.00	95.00	1.00	0.5	16.1	92.6	69	0.3	16.5	10.3	293	2.26	9.2	2.2
ED12-04	1620817	95.00	96.00	1.00	0.4	8.8	18.2	42	<0.1	11.4	7.5	339	1.86	6.7	1
ED12-04	1620818	96.00	97.00	1.00	0.3	7	20.1	54	<0.1	9.7	5.6	274	1.65	4.6	1
ED12-04	1620819	97.00	98.00	1.00	0.4	25.2	12.3	68	<0.1	13.2	9	243	2.04	5.2	0.5
ED12-04	1620820	98.00	99.00	1.00	0.4	9.6	8.8	42	<0.1	9.6	5.7	198	1.64	6	1.8
ED12-04	1620821	99.00	100.00	1.00	0.5	64.6	622.7	160	1.7	18.2	14.6	298	2.83	2.6	62.8
ED12-04	1620822	104.20	105.00	0.80	3.2	47.6	40.2	80	0.2	22.7	14.4	411	2.9	1.5	5.8
ED12-04	1620823	105.00	106.00	1.00	0.8	32	25.4	76	0.1	16.3	9.8	430	2.4	1.2	6

ED12-04	1620824		123.00	124.00	1.00	0.8	6.4	43.4	17	0.5	20.3	11.3	503	2.41	114.1	27
ED12-04	1620825		124.00	125.00	1.00	0.5	12.5	16.1	53	0.1	16	11.2	503	2.17	77.3	6.9
BLK	1620825	a				<0.1	1.2	2.7	42	<0.1	3.2	3.9	520	1.72	<0.5	1
ED12-04	1620826		125.00	126.00	1.00	0.3	21	25.8	93	0.2	20.5	10.1	494	2.89	44	1.8
ED12-04	1620827		126.00	127.00	1.00	0.5	41.7	29.2	73	0.2	21.9	12.2	503	3.16	38.8	1.8
ED12-04	1620828		127.00	128.00	1.00	0.3	10.9	23.1	63	0.1	13.7	9.8	640	2.24	41.1	3
ED12-04	1620829		128.00	129.00	1.00	0.4	3.3	3.3	6	<0.1	14.7	7.2	291	1.19	40.8	2.8
ED12-04	1620830		129.00	130.00	1.00	0.3	1.6	8.3	8	<0.1	8.1	4.7	450	1.21	25.3	0.6
ED12-04	1620831		130.00	131.00	1.00	0.4	3.8	8.5	18	<0.1	13.5	9	278	1.32	33.7	2.7
ED12-04	1620832		131.00	132.00	1.00	0.5	8.5	12.5	18	<0.1	19.4	10.1	543	2.44	49.5	2.4
ED12-04	1620833		132.00	133.00	1.00	0.4	4.7	6.3	12	<0.1	17.9	10.1	598	2.18	53.3	0.6
ED12-04	1620834		133.00	134.00	1.00	1.6	11.2	13.3	21	0.1	26.7	15	436	2.56	64	1.8
ED12-04	1620835		134.00	135.00	1.00	0.3	1.7	2.3	7	<0.1	6.8	4.1	482	1.11	26.1	1.6
ED12-04	1620836		135.00	136.00	1.00	0.2	11.7	8.6	16	<0.1	24.2	4.7	694	1.74	331.3	7.6
ED12-04	1620837		136.00	137.00	1.00	0.4	7.2	42.6	28	0.2	11.3	6	413	2.13	20.3	<0.5
ED12-04	1620838		137.00	138.00	1.00	0.4	33.2	113.6	71	0.4	20.5	11.9	350	3.17	30.6	2.7
ED12-04	1620839		138.00	139.00	1.00	0.4	20.4	17.2	52	0.2	16.1	9	304	2.46	17.4	5
ED12-04	1620840		139.00	140.00	1.00	0.5	25.2	5	49	<0.1	21	10.1	281	3.15	5.8	<0.5
ED12-04	1620841		140.00	140.75	0.75	0.6	34.9	8.1	54	<0.1	25.4	14.4	592	3.26	1.8	1.3
ED12-04	1620842		140.75	141.25	0.50	3	189.8	5857.9	4787	6.4	20.1	18.3	389	3.54	6.2	101.7
ED12-04	1620843		141.25	142.00	0.75	0.4	27.5	5	42	<0.1	20.4	11.5	249	2.84	2.2	1.9
ED12-04	1620844		142.00	143.00	1.00	2	31.7	32.4	78	0.1	31.6	14.8	404	3.41	1.8	0.5
ED12-04	1620845		143.00	144.00	1.00	1.2	33.8	6.5	60	<0.1	21.4	11.4	324	2.68	<0.5	2.2
BLK	1620845	a				<0.1	1.4	4.3	47	<0.1	3.5	4.1	567	1.89	<0.5	<0.5
ED12-04	1620846		147.00	148.00	1.00	3.4	54.7	71.1	119	0.4	29.7	12.4	533	3.12	570.9	17.6
ED12-04	1620847		148.00	149.00	1.00	4.8	76	74.9	105	0.4	26.5	12.2	305	3.01	1165.1	10.9
ED12-04	1620848		149.00	150.00	1.00	2.5	47	33.9	77	0.2	26.6	11	464	2.84	11.3	1.2
ED12-04	1620849		150.00	151.00	1.00	2	31.6	26.3	77	<0.1	25.8	10.8	523	2.6	4.2	2
ED12-04	1620850		151.00	152.00	1.00	1.1	26	28.8	80	<0.1	24	10.1	469	2.58	1.5	0.6
ED12-04	1620851		152.00	153.00	1.00	1.5	32.8	519.5	147	0.3	24.4	12.6	515	2.76	0.8	1.4
ED12-04	1620852		153.00	154.00	1.00	0.9	26.3	172.8	100	0.2	22	10.2	460	2.5	<0.5	<0.5

ED12-04	1620853		154.00	155.00	1.00	1.5	34.1	72.4	100	<0.1	26.5	12.3	454	2.75	1.2	<0.5
ED12-04	1620854		155.00	156.00	1.00	0.8	22.1	55.1	87	0.1	21.8	10.6	573	2.78	1.2	<0.5
ED12-04	1620855		156.00	157.00	1.00	0.8	25.8	331.7	81	0.2	22	10.7	488	2.69	1.4	<0.5
ED12-04	1620856		157.00	158.00	1.00	1	28.8	667.3	86	0.4	23.1	11.4	527	2.92	2	<0.5
ED12-04	1620857		158.00	159.00	1.00	3.8	32.5	55.9	55	0.2	18.9	10.1	377	2.87	0.9	0.6
ED12-04	1620858		159.00	160.00	1.00	1.2	34.7	63.9	79	0.2	18.1	8.4	398	2.37	0.8	<0.5
ED12-04	1620859		160.00	161.00	1.00	4.5	40.8	102.1	120	0.2	23.9	11.2	559	2.8	4.8	<0.5
ED12-04	1620860		161.00	162.00	1.00	2.4	42	43.3	65	0.1	18.8	10.2	367	2.35	11.8	<0.5
ED12-04	1620861		162.00	163.00	1.00	0.4	18.8	98.8	55	0.2	11.6	6.7	375	1.96	15.9	<0.5
ED12-04	1620862		163.00	164.00	1.00	0.4	15.1	27.9	47	0.1	13.7	7.8	322	2.16	34.9	0.9
ED12-04	1620863		164.00	165.00	1.00	0.3	15.4	303.2	371	0.6	7	4.4	532	1.62	51.7	12.9
ED12-04	1620864		165.00	165.50	0.50	0.4	100.6	32.5	2669	0.5	11.5	6.3	188	1.07	201.8	3.4
ED12-04	1620865		165.50	166.25	0.75	0.3	1651.6	3865.1	4426	14.3	7.6	4.3	94	1.17	383.3	109.5
BLK	1620865	a				<0.1	2.3	6.9	53	<0.1	4	4.4	586	1.84	1.1	<0.5
ED12-04	1620866		166.25	167.00	0.75	0.4	23.7	15.8	35	0.1	11	7.3	447	2.1	186.9	1.7
ED12-04	1620867		167.00	168.00	1.00	0.2	11	28.4	64	0.1	10.4	6.7	465	2.05	81.7	<0.5
ED12-04	1620868		168.00	169.00	1.00	0.3	8.7	42.5	58	0.2	8.6	5	318	1.21	14.6	<0.5
ED12-04	1620869		176.00	177.00	1.00	0.2	3.2	11.2	18	<0.1	6.9	5.3	440	1.56	75.1	1.6
ED12-04	1620870		184.00	185.00	1.00	0.9	51.1	113.7	78	0.2	27.4	13.4	428	2.55	1.3	<0.5
ED12-04	1620871		189.00	190.00	1.00	0.5	38.3	42.7	48	0.1	20.9	12.8	164	2.49	3.9	<0.5
ED12-04	1620872		190.00	191.00	1.00	2.6	33.1	28	76	0.1	24.1	11.2	718	3	1.8	<0.5
ED12-04	1620873		191.00	192.00	1.00	1.6	26.1	822.5	640	0.4	24.4	11.2	663	2.87	2.9	<0.5
ED12-04	1620874		192.00	193.00	1.00	2.1	27	25.7	127	<0.1	23.6	11.2	531	2.9	1.7	<0.5
ED12-04	1620875		198.00	199.00	1.00	2.7	26.9	18.5	68	<0.1	21.8	10.4	392	2.76	<0.5	<0.5
ED12-04	1620876		199.00	200.00	1.00	0.8	36.1	19.6	100	<0.1	26.3	12.6	526	3.24	0.7	<0.5
ED12-04	1620877		200.00	201.00	1.00	2.2	36.3	10	76	<0.1	23.6	13.2	183	3.18	<0.5	<0.5
ED12-04	1620878		201.00	202.00	1.00	3.4	39.4	16.5	68	<0.1	26.4	12.5	474	3.3	0.7	<0.5
ED12-04	1620879		203.00	204.00	1.00	3.9	41.3	50.2	138	0.1	26.9	10.7	549	3.06	0.8	<0.5
ED12-04	1620880		213.00	214.00	1.00	0.5	36.3	13.4	62	0.1	30.4	14.6	449	3.36	34.7	2.5
ED12-04	1620881		214.00	215.00	1.00	0.4	26.9	35.5	173	0.2	19.4	10.8	433	3.19	38.8	<0.5
ED12-04	1620882		215.00	216.00	1.00	0.8	79.7	26.4	77	0.2	22.1	12.7	440	3.23	6.1	<0.5

ED12-04	1620883		223.00	224.00	1.00	0.3	23.3	20.2	54	0.2	12.7	8.5	414	2.43	23.4	<0.5
ED12-04	1620884		224.00	225.00	1.00	0.3	17.4	17.9	62	0.2	15.1	9.1	718	2.38	166.6	20.8
ED12-04	1620885		225.00	226.00	1.00	0.3	5	19.5	46	0.1	6.2	4.7	482	1.26	21.5	<0.5
BLK	1620885	a				<0.1	1.4	2.4	46	<0.1	3.6	4.1	552	1.87	0.9	<0.5
ED12-04	1620886		226.00	227.00	1.00	0.8	19.1	20.3	38	0.2	17.3	9.8	495	2.88	44.9	<0.5
ED12-04	1620887		229.00	230.00	1.00	0.5	22.6	42.8	60	0.1	14.6	8.2	263	2.27	5.4	<0.5
ED12-04	1620888		236.00	237.00	1.00	0.8	29.7	1423.7	54	2.6	12.8	7.1	566	1.89	<0.5	<0.5
ED12-04	1620889		237.00	238.00	1.00	1.6	43.5	14.8	63	<0.1	17.6	12.8	306	2.52	0.5	<0.5
ED12-04	1620890		238.00	239.00	1.00	0.8	43.1	50.4	66	0.2	25.8	15.2	491	3.17	0.5	<0.5
ED12-04	1620891		243.00	244.00	1.00	2.2	36.2	211	102	0.6	24.4	11.5	777	3.05	0.6	<0.5
ED12-04	1620892		244.00	245.00	1.00	0.7	112.5	26	40	0.2	27.1	14.1	615	2.87	0.8	<0.5
ED12-04	1620893		245.00	246.00	1.00	0.5	34.7	12	48	<0.1	11.8	7.2	230	1.5	<0.5	<0.5
ED12-04	1620894		246.00	247.00	1.00	0.6	13.8	121.6	30	0.3	11.2	6	196	1.47	0.5	<0.5
ED12-04	1620895		252.00	253.00	1.00	0.7	27.3	45.5	55	0.2	19.4	9.5	490	2.41	1.8	4.4

Appendix 5: Sample Assay Certificates

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Acme Analytical Laboratories (Vancouver) Ltd.

PHONE (604) 253-3158

Client: **PJX Resources Inc.**
5600 - 100 King Street West
Toronto ON M5X 1C9 Canada

Submitted By:	Linda Brennan
Receiving Lab:	Canada-Vancouver
Received:	November 26, 2012
Report Date:	January 09, 2013
Page:	1 of 5

CERTIFICATE OF ANALYSIS VAN12005550.1

CLIENT JOB INFORMATION

Project:	EDDY
Shipment ID:	
P.O. Number	
Number of Samples:	100

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	100	Crush, split and pulverize 250 g rock to 200 mesh			VAN
1DX3	100	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN

SAMPLE DISPOSAL

DISP-PLP	Dispose of Pulp After 90 days
DISP-RJT	Dispose of Reject After 90 days

ADDITIONAL COMMENTS

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

Invoice To: PJX Resources Inc.
5600 - 100 King Street West
Toronto ON M5X 1C9
Canada

CC: John Keating
Michael Seabrook

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. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

PHONE (604) 253-3158

Client: **PJX Resources Inc.**
5600 - 100 King Street West
Toronto ON M5X 1C9 Canada

Project: EDDY
Report Date: January 09, 2013

CERTIFICATE OF ANALYSIS VAN12005550.1

	Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
G1	Prep Blank	<0.01	0.1	2.9	3.0	50	<0.1	3.9	4.6	580	1.96	<0.5	2.9	4.5	47	<0.1	<0.1	<0.1	37	0.45	0.069
G1	Prep Blank	<0.01	0.2	2.9	2.9	51	<0.1	4.1	4.5	591	2.02	<0.5	1.0	4.7	48	<0.1	<0.1	<0.1	39	0.46	0.069
1581401	Drill Core	1.27	0.6	14.2	6.7	62	<0.1	17.5	8.8	208	2.50	2.9	0.6	14.1	3	<0.1	0.3	0.1	13	0.10	0.026
1581402	Drill Core	1.25	0.2	591.2	11.9	70	0.6	41.5	40.6	719	4.60	32.4	5.7	0.3	18	0.5	0.2	<0.1	123	3.07	0.037
1581403	Drill Core	2.39	3.4	17.5	13.0	44	<0.1	13.9	7.3	240	1.94	5.3	3.9	12.8	6	<0.1	0.2	0.2	15	0.53	0.021
1581404	Drill Core	2.23	0.3	25.4	21.5	77	<0.1	18.9	10.0	210	2.67	3.0	<0.5	12.9	6	<0.1	0.4	0.3	18	0.21	0.036
1581405	Drill Core	2.30	2.3	35.8	13.8	75	<0.1	29.0	13.8	638	3.51	<0.5	<0.5	10.6	32	<0.1	0.6	0.3	27	1.13	0.048
1581406	Drill Core	2.09	1.6	29.6	26.3	110	<0.1	24.2	11.3	775	3.28	1.4	0.9	10.2	33	0.2	0.6	0.3	32	1.53	0.049
1581407	Drill Core	2.41	4.4	38.0	39.5	100	0.1	27.6	13.3	632	3.38	1.2	1.1	10.3	24	0.2	0.5	0.4	31	1.19	0.055
1581408	Drill Core	2.82	3.1	51.8	19.9	84	<0.1	28.5	13.6	257	3.21	0.9	1.5	12.1	8	0.2	0.6	0.2	17	0.46	0.045
1581409	Drill Core	2.62	2.7	42.1	20.8	104	<0.1	29.9	13.4	486	3.38	1.0	<0.5	10.6	32	0.1	0.4	0.3	42	1.30	0.053
1581410	Drill Core	2.79	1.7	28.8	33.3	101	<0.1	25.8	11.7	656	3.25	1.2	1.0	10.3	46	0.2	0.4	0.3	43	2.42	0.054
1581411	Drill Core	2.01	2.9	27.0	33.2	90	<0.1	25.1	11.3	586	3.07	1.7	3.8	9.3	52	0.2	0.3	0.3	41	2.74	0.054
1581412	Drill Core	2.41	1.0	20.9	30.3	90	<0.1	23.9	10.2	525	2.88	1.4	<0.5	9.8	59	<0.1	0.4	0.2	41	2.63	0.044
1581413	Drill Core	1.88	1.5	22.3	21.9	99	<0.1	25.1	11.2	519	2.97	0.5	1.4	10.5	51	0.2	0.3	0.2	42	2.50	0.050
1581414	Drill Core	2.06	0.3	10.7	14.6	68	<0.1	12.8	6.8	148	2.15	5.5	0.7	13.2	4	<0.1	0.2	0.2	12	0.09	0.029
1581415	Drill Core	2.17	0.3	13.5	12.5	99	<0.1	14.0	6.8	145	1.81	2.0	<0.5	10.4	4	0.4	0.1	0.2	11	0.08	0.022
1581416	Drill Core	2.08	0.5	39.2	29.0	79	<0.1	21.2	12.6	179	2.98	3.8	<0.5	13.0	4	<0.1	0.5	0.2	15	0.10	0.030
1581417	Drill Core	2.10	0.3	25.9	9.8	46	<0.1	12.4	6.9	178	2.00	1.5	1.2	14.1	8	<0.1	0.1	0.1	13	0.15	0.017
1581418	Drill Core	2.45	0.2	290.9	8.9	60	0.2	41.7	28.3	529	3.64	20.1	15.9	0.6	32	0.2	0.3	<0.1	92	2.10	0.037
1581419	Drill Core	2.52	1.7	35.5	18.1	93	<0.1	28.1	13.2	675	3.47	0.9	3.8	10.1	42	0.1	0.5	0.3	28	1.72	0.047
1581420	Drill Core	2.13	1.3	31.5	29.3	142	<0.1	25.4	11.7	638	3.19	1.2	2.1	10.0	46	0.2	0.5	0.4	31	1.65	0.051
1581420a	Rock	0.25	<0.1	3.4	2.6	46	<0.1	3.6	4.0	543	1.83	<0.5	<0.5	4.5	46	<0.1	<0.1	<0.1	35	0.42	0.070
1581421	Drill Core	1.83	3.2	37.9	30.8	105	<0.1	25.4	11.9	513	3.00	0.9	2.7	10.1	39	0.2	0.4	0.3	34	1.21	0.052
1581422	Drill Core	1.83	3.8	54.1	43.8	158	0.1	28.9	11.9	375	3.17	0.6	<0.5	10.9	13	0.6	0.5	0.5	18	0.94	0.053
1581423	Drill Core	1.95	3.4	51.5	27.1	91	<0.1	27.3	13.2	345	3.05	<0.5	<0.5	10.7	26	0.3	0.4	0.2	26	1.22	0.050
1581424	Drill Core	2.41	1.3	25.9	40.7	107	<0.1	25.0	10.5	584	2.90	1.3	<0.5	9.3	47	0.1	0.3	0.3	42	2.56	0.052
1581425	Drill Core	2.13	1.8	28.1	42.1	89	<0.1	29.0	11.9	472	2.94	1.2	<0.5	9.6	60	<0.1	0.3	0.3	40	2.47	0.053
1581426	Drill Core	2.26	1.0	18.2	37.3	94	<0.1	22.4	9.7	515	2.81	1.0	1.9	9.8	63	0.1	0.3	0.2	41	2.73	0.047
1581427	Drill Core	2.30	1.4	20.6	26.6	92	<0.1	25.3	10.8	482	2.86	1.0	1.7	11.0	64	0.1	0.3	0.2	41	2.69	0.052

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Toronto ON M5X 1C9 Canada

Project: EDDY
Report Date: January 09, 2013

CERTIFICATE OF ANALYSIS VAN12005550.1

	Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
G1	Prep Blank	9	7	0.57	209	0.105	1	0.93	0.077	0.46	<0.1	<0.01	2.1	0.3	<0.05	5	<0.5	<0.2
G1	Prep Blank	9	8	0.60	225	0.111	1	1.00	0.086	0.50	<0.1	<0.01	2.6	0.3	<0.05	5	<0.5	<0.2
1581401	Drill Core	34	16	0.58	98	0.114	<1	1.28	0.015	0.89	<0.1	<0.01	1.7	0.7	0.09	4	<0.5	<0.2
1581402	Drill Core	1	18	1.65	7	0.101	1	2.49	0.059	0.02	<0.1	<0.01	6.1	<0.1	0.18	8	1.1	<0.2
1581403	Drill Core	24	23	0.43	76	0.080	2	0.98	0.019	0.55	0.2	<0.01	1.9	0.4	0.07	3	<0.5	<0.2
1581404	Drill Core	24	19	0.60	79	0.095	<1	1.32	0.017	0.69	0.2	<0.01	1.9	0.6	0.16	5	<0.5	<0.2
1581405	Drill Core	20	29	1.27	126	0.128	1	2.37	0.130	1.30	0.1	<0.01	2.9	0.9	0.84	6	0.9	0.2
1581406	Drill Core	21	33	1.44	97	0.137	<1	2.63	0.169	1.23	0.1	<0.01	3.5	0.9	0.67	7	<0.5	<0.2
1581407	Drill Core	20	31	1.35	107	0.129	1	2.28	0.130	1.34	0.1	<0.01	3.2	0.9	0.89	7	0.8	0.3
1581408	Drill Core	20	20	0.94	89	0.112	<1	1.34	0.030	0.92	0.1	<0.01	1.8	0.6	1.05	4	<0.5	<0.2
1581409	Drill Core	19	40	1.64	105	0.150	<1	2.72	0.177	1.62	0.3	<0.01	4.5	0.9	0.86	9	0.7	<0.2
1581410	Drill Core	20	43	2.01	110	0.162	<1	3.18	0.219	1.93	0.4	<0.01	4.8	1.0	0.71	10	<0.5	<0.2
1581411	Drill Core	19	41	2.12	115	0.159	<1	3.32	0.227	1.94	0.2	<0.01	4.5	0.9	0.72	10	<0.5	<0.2
1581412	Drill Core	20	40	2.23	114	0.153	<1	3.70	0.275	2.02	0.2	<0.01	4.9	0.9	0.59	11	<0.5	<0.2
1581413	Drill Core	16	43	2.13	126	0.148	<1	3.34	0.228	2.03	0.1	<0.01	4.7	0.9	0.64	10	0.5	<0.2
1581414	Drill Core	19	15	0.61	54	0.046	<1	1.09	0.021	0.39	0.1	<0.01	1.5	0.3	<0.05	4	<0.5	<0.2
1581415	Drill Core	20	18	0.42	53	0.053	<1	0.89	0.028	0.40	0.1	<0.01	1.6	0.3	0.06	3	<0.5	<0.2
1581416	Drill Core	18	17	0.73	59	0.041	1	1.34	0.020	0.42	<0.1	<0.01	1.7	0.3	0.33	4	<0.5	<0.2
1581417	Drill Core	30	20	0.43	88	0.086	<1	0.98	0.026	0.65	0.1	<0.01	2.0	0.4	0.05	4	<0.5	<0.2
1581418	Drill Core	2	38	1.38	43	0.125	<1	2.16	0.080	0.20	<0.1	<0.01	5.5	0.1	0.11	5	<0.5	<0.2
1581419	Drill Core	16	30	1.36	137	0.123	<1	2.43	0.119	1.38	0.1	<0.01	3.1	0.9	0.74	6	<0.5	0.2
1581420	Drill Core	17	32	1.43	104	0.134	<1	2.54	0.138	1.36	0.1	<0.01	3.2	0.8	0.61	7	<0.5	0.2
1581420a	Rock	8	9	0.54	209	0.107	1	0.96	0.089	0.48	<0.1	<0.01	2.5	0.3	<0.05	5	<0.5	<0.2
1581421	Drill Core	19	32	1.28	89	0.129	2	2.50	0.160	1.42	0.1	<0.01	4.0	0.8	0.68	7	<0.5	<0.2
1581422	Drill Core	15	21	1.03	78	0.095	1	1.44	0.033	0.79	0.1	<0.01	2.0	0.5	1.03	4	<0.5	<0.2
1581423	Drill Core	16	27	1.17	85	0.121	<1	1.81	0.089	1.06	<0.1	<0.01	2.8	0.6	0.95	5	<0.5	<0.2
1581424	Drill Core	14	39	1.92	92	0.159	<1	2.91	0.162	1.81	0.2	<0.01	5.0	0.9	0.50	9	<0.5	<0.2
1581425	Drill Core	17	39	1.83	88	0.158	<1	2.86	0.186	1.68	0.1	<0.01	4.4	0.9	0.69	9	<0.5	<0.2
1581426	Drill Core	18	42	2.16	100	0.163	<1	3.45	0.229	2.04	<0.1	<0.01	5.2	1.0	0.47	10	<0.5	<0.2
1581427	Drill Core	18	41	2.13	112	0.165	<1	3.31	0.216	1.96	0.1	<0.01	4.6	0.8	0.56	9	<0.5	<0.2

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Toronto ON M5X 1C9 Canada

Project: EDDY
Report Date: January 09, 2013

CERTIFICATE OF ANALYSIS VAN12005550.1

	Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1581428	Drill Core	2.20	0.7	17.1	37.9	110	<0.1	21.5	10.0	598	3.04	<0.5	2.3	10.2	63	0.2	0.3	0.3	39	3.64	0.052
1581429	Drill Core	1.84	1.0	25.8	28.5	88	<0.1	24.0	10.9	475	2.92	0.7	<0.5	11.4	49	0.1	0.3	0.3	37	2.38	0.050
1581430	Drill Core	2.08	1.7	29.5	60.7	106	0.2	22.9	10.7	552	3.04	<0.5	1.1	11.3	47	0.2	0.3	0.5	33	2.92	0.048
1581431	Drill Core	2.20	4.3	44.9	58.5	85	0.2	22.8	11.1	428	2.72	0.9	1.1	13.6	17	0.2	0.6	0.5	17	1.68	0.040
1581432	Drill Core	2.18	4.3	46.7	271.8	182	0.4	27.3	12.2	630	3.33	1.0	1.1	10.7	29	0.5	0.6	0.8	31	2.53	0.056
1581433	Drill Core	2.18	0.6	16.8	40.0	31	0.1	9.6	5.1	224	1.50	2.0	3.0	12.6	9	<0.1	0.6	0.4	10	0.42	0.016
1581434	Drill Core	1.47	0.7	17.1	10.9	37	<0.1	13.3	7.3	212	1.78	5.8	<0.5	14.6	8	<0.1	0.4	0.2	12	0.31	0.019
1581435	Drill Core	2.16	0.3	31.6	17.6	58	<0.1	16.8	10.5	263	2.50	3.0	<0.5	11.3	12	<0.1	0.4	0.2	16	0.39	0.017
1581436	Drill Core	2.35	2.7	26.9	24.0	98	<0.1	24.1	11.6	763	3.42	<0.5	<0.5	10.3	66	0.1	0.4	0.5	39	1.71	0.060
1581437	Drill Core	2.49	1.4	27.2	23.2	111	<0.1	25.6	12.0	665	3.28	<0.5	<0.5	10.6	64	0.3	0.5	0.4	38	1.49	0.054
1581438	Drill Core	2.21	2.2	27.3	14.2	108	<0.1	25.5	11.5	541	3.18	<0.5	1.6	10.7	42	0.2	0.6	0.3	30	1.02	0.053
1581439	Drill Core	2.17	1.4	29.5	13.0	94	<0.1	23.2	11.8	345	3.11	<0.5	1.1	12.5	10	0.2	0.8	0.3	20	0.32	0.041
1581440	Drill Core	2.50	2.2	29.4	29.4	113	<0.1	25.9	11.4	532	3.41	<0.5	<0.5	10.2	23	0.2	0.8	0.5	31	0.78	0.051
1581440a	Rock	0.20	0.1	2.7	2.8	46	<0.1	3.8	4.0	570	1.88	<0.5	<0.5	4.8	62	<0.1	<0.1	<0.1	34	0.45	0.074
1581441	Drill Core	2.19	4.7	34.3	21.8	95	<0.1	27.2	12.2	391	3.12	2.9	1.0	10.0	10	0.2	1.0	0.3	22	0.39	0.056
1581442	Drill Core	2.13	1.3	37.4	20.3	85	<0.1	23.5	12.2	405	3.24	<0.5	1.2	11.4	12	0.2	0.8	0.3	24	0.44	0.041
1581443	Drill Core	1.70	1.8	29.0	18.5	83	<0.1	23.7	11.7	549	3.29	<0.5	<0.5	11.3	16	<0.1	0.7	0.4	30	0.59	0.047
1581444	Drill Core	2.59	0.9	32.2	11.4	78	<0.1	22.1	10.5	270	3.20	<0.5	<0.5	14.4	5	<0.1	0.6	0.4	22	0.16	0.039
1581445	Drill Core	2.54	1.3	33.2	12.8	100	<0.1	25.4	11.9	260	3.20	<0.5	0.6	14.3	15	<0.1	1.8	0.4	20	0.21	0.042
1581446	Drill Core	2.30	3.0	43.6	36.4	110	<0.1	28.0	13.1	641	3.59	<0.5	1.0	10.7	32	<0.1	0.7	0.4	32	0.94	0.053
1581447	Drill Core	2.34	3.1	32.6	41.7	137	<0.1	26.2	10.5	540	3.12	<0.5	0.5	9.9	32	0.3	0.6	0.3	27	0.75	0.055
1581448	Drill Core	2.45	2.9	47.9	36.5	130	<0.1	25.8	13.9	450	3.47	2.6	1.0	12.1	21	0.4	0.8	0.4	26	0.59	0.048
1581449	Drill Core	1.88	3.4	38.4	35.8	151	<0.1	27.1	11.6	517	3.18	4.7	<0.5	10.8	18	0.4	0.7	0.4	24	0.52	0.052
1581450	Drill Core	2.39	3.1	34.0	53.8	147	<0.1	30.7	12.4	627	3.05	<0.5	2.0	10.6	50	0.7	0.6	0.4	27	0.96	0.057
1581451	Drill Core	2.26	1.0	15.1	38.3	123	<0.1	22.3	10.5	1098	3.00	0.5	0.6	9.3	72	<0.1	0.4	0.3	34	2.27	0.055
1581452	Drill Core	2.20	1.3	15.9	38.4	118	<0.1	23.3	10.9	1131	3.09	0.6	0.5	9.4	76	<0.1	0.5	0.3	39	2.25	0.053
1581453	Drill Core	2.32	2.1	25.0	30.1	117	<0.1	26.9	12.2	1048	3.23	<0.5	1.0	10.0	72	0.2	0.4	0.2	41	2.13	0.055
1581454	Drill Core	2.27	1.1	28.9	29.8	112	<0.1	25.7	12.4	976	3.13	1.7	<0.5	10.5	63	0.2	0.4	0.3	32	1.80	0.052
1581455	Drill Core	1.73	1.6	37.5	33.5	114	0.1	25.0	10.7	739	2.98	<0.5	<0.5	12.0	40	0.1	0.4	0.3	34	1.13	0.061
1581456	Drill Core	1.94	0.3	33.6	93.3	156	0.4	14.7	9.7	197	2.32	1.5	<0.5	10.7	15	1.8	0.2	1.1	11	0.34	0.023

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Toronto ON M5X 1C9 Canada

Project: EDDY
Report Date: January 09, 2013

CERTIFICATE OF ANALYSIS VAN12005550.1

	Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1581428	Drill Core	18	41	2.38	116	0.162	<1	3.21	0.155	2.08	0.1	<0.01	5.1	1.0	0.46	9	<0.5	<0.2
1581429	Drill Core	18	36	1.95	109	0.131	<1	2.90	0.161	1.85	<0.1	<0.01	5.1	1.0	0.56	9	<0.5	<0.2
1581430	Drill Core	20	34	1.98	116	0.127	<1	2.78	0.128	1.77	0.1	<0.01	4.2	0.9	0.55	8	<0.5	<0.2
1581431	Drill Core	23	19	1.25	68	0.076	<1	1.56	0.021	0.78	0.1	<0.01	1.8	0.5	0.66	5	0.6	<0.2
1581432	Drill Core	20	31	1.51	93	0.118	<1	2.04	0.034	1.14	0.1	<0.01	3.0	0.7	0.56	6	<0.5	<0.2
1581433	Drill Core	25	16	0.34	62	0.083	<1	0.79	0.027	0.45	0.2	<0.01	1.6	0.3	0.24	2	<0.5	<0.2
1581434	Drill Core	28	15	0.39	52	0.064	2	0.96	0.026	0.37	0.2	<0.01	2.0	0.2	0.15	3	<0.5	<0.2
1581435	Drill Core	21	18	0.46	76	0.099	1	1.14	0.029	0.71	0.1	<0.01	3.0	0.5	0.33	4	<0.5	<0.2
1581436	Drill Core	21	36	1.71	202	0.176	<1	3.24	0.224	1.75	0.3	<0.01	5.3	1.1	0.60	9	<0.5	<0.2
1581437	Drill Core	21	36	1.58	131	0.158	<1	3.33	0.268	1.71	0.3	<0.01	5.8	1.0	0.66	10	<0.5	<0.2
1581438	Drill Core	23	28	1.41	159	0.149	1	2.68	0.182	1.50	0.2	<0.01	4.2	0.9	0.66	8	<0.5	<0.2
1581439	Drill Core	25	20	1.17	111	0.133	1	1.81	0.042	1.27	0.1	<0.01	2.4	0.8	0.77	5	<0.5	<0.2
1581440	Drill Core	20	30	1.44	153	0.150	<1	2.41	0.115	1.55	0.2	<0.01	4.3	1.0	0.68	7	<0.5	<0.2
1581440a	Rock	9	8	0.56	235	0.112	<1	1.07	0.117	0.52	<0.1	<0.01	2.7	0.3	<0.05	5	<0.5	<0.2
1581441	Drill Core	19	21	1.20	113	0.126	<1	1.82	0.046	1.25	0.2	<0.01	2.1	0.8	0.78	5	<0.5	<0.2
1581442	Drill Core	20	25	1.16	112	0.140	<1	1.81	0.057	1.23	<0.1	<0.01	3.5	0.8	0.82	6	0.5	<0.2
1581443	Drill Core	20	29	1.44	157	0.154	<1	2.32	0.095	1.45	<0.1	<0.01	4.2	1.0	0.71	7	<0.5	<0.2
1581444	Drill Core	32	23	1.17	109	0.137	<1	1.75	0.023	1.23	<0.1	<0.01	2.9	0.9	0.77	5	<0.5	<0.2
1581445	Drill Core	29	19	1.14	99	0.134	<1	1.79	0.019	1.14	0.1	<0.01	2.2	0.9	0.77	5	<0.5	<0.2
1581446	Drill Core	19	32	1.54	148	0.145	<1	2.67	0.153	1.44	0.3	<0.01	4.3	0.9	0.84	8	<0.5	<0.2
1581447	Drill Core	18	28	1.42	129	0.130	<1	2.52	0.158	1.46	0.1	<0.01	3.0	0.9	0.67	6	<0.5	<0.2
1581448	Drill Core	22	25	1.24	109	0.126	<1	2.14	0.101	1.28	0.2	<0.01	3.3	0.8	1.06	6	0.6	<0.2
1581449	Drill Core	18	26	1.36	108	0.136	<1	2.09	0.081	1.34	0.1	<0.01	2.7	0.9	0.81	5	<0.5	<0.2
1581450	Drill Core	18	28	1.48	120	0.131	<1	2.83	0.208	1.43	0.3	<0.01	3.1	0.9	0.82	7	<0.5	<0.2
1581451	Drill Core	19	32	1.98	127	0.178	<1	3.84	0.289	1.94	0.3	<0.01	5.1	1.1	0.49	10	<0.5	<0.2
1581452	Drill Core	21	38	1.99	112	0.178	<1	3.57	0.253	1.67	0.2	<0.01	5.2	0.9	0.51	10	<0.5	<0.2
1581453	Drill Core	20	39	1.87	108	0.175	<1	3.64	0.272	1.85	0.6	<0.01	5.4	1.0	0.67	10	<0.5	<0.2
1581454	Drill Core	21	34	1.65	136	0.160	<1	3.14	0.204	1.61	0.3	<0.01	3.7	0.9	0.67	8	<0.5	<0.2
1581455	Drill Core	24	30	1.41	158	0.156	<1	2.62	0.142	1.28	0.2	<0.01	4.9	0.9	0.58	8	<0.5	<0.2
1581456	Drill Core	25	16	0.53	45	0.055	<1	1.12	0.036	0.40	0.1	<0.01	2.0	0.3	0.46	3	<0.5	<0.2

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CERTIFICATE OF ANALYSIS VAN12005550.1

Method		WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
Analyte		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1581457	Drill Core	2.44	0.6	15.4	10.3	57	<0.1	16.9	8.8	299	2.25	3.9	1.7	15.5	18	<0.1	0.3	0.4	13	0.77	0.031
1581458	Drill Core	2.08	1.8	41.0	82.0	113	0.4	22.5	11.7	494	3.06	<0.5	<0.5	11.1	18	0.3	0.4	1.4	25	0.67	0.046
1581459	Drill Core	1.98	1.3	21.8	19.2	104	<0.1	19.8	9.7	483	2.80	<0.5	<0.5	8.8	12	0.2	0.4	0.4	14	0.49	0.040
1581460	Drill Core	2.29	1.4	46.1	27.2	110	<0.1	21.1	11.8	389	3.07	<0.5	<0.5	11.9	11	0.2	0.3	0.4	15	0.62	0.059
1581460a	Rock	0.20	<0.1	3.1	3.0	45	<0.1	3.7	4.1	574	1.90	<0.5	<0.5	5.0	67	<0.1	<0.1	<0.1	35	0.49	0.071
1581461	Drill Core	2.42	0.8	21.5	24.2	130	<0.1	25.1	11.9	542	3.45	<0.5	<0.5	11.7	12	0.2	0.3	0.5	27	1.07	0.045
1581462	Drill Core	2.04	1.1	24.3	79.9	107	0.1	21.9	12.2	481	2.94	<0.5	<0.5	12.3	16	1.1	0.3	0.4	19	1.08	0.037
1581463	Drill Core	2.07	1.4	11.5	34.4	71	<0.1	14.6	7.4	895	2.37	<0.5	<0.5	8.0	31	<0.1	0.2	0.3	20	2.23	0.044
1581464	Drill Core	1.86	2.4	25.3	22.9	93	<0.1	15.2	8.8	543	2.40	1.1	<0.5	7.7	28	0.2	0.2	0.3	15	1.18	0.035
1581465	Drill Core	1.89	2.0	19.4	26.9	114	0.1	23.6	10.2	798	3.37	<0.5	2.0	10.0	32	<0.1	0.2	0.8	37	1.80	0.052
1581466	Drill Core	2.27	1.3	30.3	31.4	75	<0.1	21.4	11.7	329	3.15	<0.5	2.4	13.0	9	0.2	0.3	0.5	24	0.47	0.045
1581467	Drill Core	2.31	0.7	33.3	17.1	46	0.2	17.0	10.8	164	2.61	<0.5	0.8	14.9	7	<0.1	<0.1	0.7	12	0.27	0.030
1581468	Drill Core	2.12	<0.1	18.0	8.4	19	<0.1	7.2	6.9	282	1.56	<0.5	2.1	7.1	25	<0.1	<0.1	<0.1	9	3.24	0.017
1581469	Drill Core	1.35	0.5	20.4	60.5	37	0.4	15.6	9.1	220	2.46	1.8	1.5	14.0	18	<0.1	<0.1	1.3	14	0.50	0.029
1581470	Drill Core	1.14	0.1	35.4	44.7	72	<0.1	18.0	11.6	252	3.07	<0.5	<0.5	13.6	11	0.3	<0.1	0.1	12	0.68	0.029
1581471	Drill Core	2.05	0.6	31.0	15.6	35	<0.1	16.7	9.4	255	2.51	<0.5	<0.5	12.3	13	<0.1	<0.1	<0.1	13	0.78	0.025
1581472	Drill Core	2.19	1.1	14.5	6.6	56	<0.1	16.2	7.7	418	3.01	<0.5	1.5	11.7	8	<0.1	<0.1	0.1	16	1.02	0.038
1581473	Drill Core	1.05	2.3	28.6	11.6	56	<0.1	27.0	14.7	627	3.91	<0.5	1.0	9.9	25	<0.1	<0.1	0.4	22	1.97	0.049
1581474	Drill Core	1.49	1.8	18.3	33.1	150	0.2	28.9	11.6	538	3.95	0.7	1.3	10.5	10	0.2	0.6	0.7	33	0.73	0.051
1581475	Drill Core	2.38	2.7	40.0	90.4	123	0.2	28.5	13.2	524	3.51	<0.5	<0.5	11.8	23	<0.1	0.4	0.4	26	1.38	0.050
1581476	Drill Core	2.40	3.4	41.1	64.3	98	0.2	30.9	13.1	516	3.79	<0.5	<0.5	11.1	32	<0.1	0.2	0.4	36	1.43	0.058
1581477	Drill Core	3.01	4.1	39.9	45.4	76	0.2	29.3	13.2	510	3.67	<0.5	<0.5	11.3	32	<0.1	0.2	0.5	33	1.90	0.062
1581478	Drill Core	1.47	1.3	36.5	11.7	32	<0.1	17.9	9.2	182	2.27	<0.5	<0.5	13.7	8	<0.1	0.1	0.2	12	0.60	0.034
1581479	Drill Core	2.45	0.6	41.1	216.3	27	1.4	18.0	10.3	193	2.19	6.5	0.9	11.9	10	<0.1	<0.1	5.1	9	0.53	0.019
1581480	Drill Core	1.95	0.2	43.5	10.9	68	<0.1	26.0	14.0	615	4.88	2.0	<0.5	6.9	30	<0.1	<0.1	<0.1	166	3.90	0.037
1581480a	Rock	0.18	<0.1	3.0	3.4	47	<0.1	4.0	4.2	573	2.00	<0.5	<0.5	5.1	68	<0.1	<0.1	<0.1	35	0.49	0.075
1581481	Drill Core	2.18	0.6	200.9	31.4	72	0.2	76.0	51.8	483	8.04	<0.5	<0.5	10.8	4	<0.1	<0.1	0.7	28	0.16	0.026
1581482	Drill Core	2.35	0.5	17.0	9.6	44	<0.1	11.4	7.6	205	2.23	<0.5	<0.5	12.0	7	<0.1	<0.1	<0.1	14	0.41	0.024
1581483	Drill Core	1.80	1.0	877.1	77.5	112	1.2	29.3	31.0	677	5.50	1.8	3.2	3.6	18	1.2	0.1	1.4	157	1.90	0.057
1581484	Drill Core	2.77	0.7	52.6	34.9	117	0.3	29.4	32.2	735	6.10	10.2	<0.5	0.7	21	<0.1	<0.1	1.9	173	2.14	0.049

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Project: EDDY
Report Date: January 09, 2013

CERTIFICATE OF ANALYSIS VAN12005550.1

Method		1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1581457	Drill Core	39	13	0.45	61	0.060	<1	1.27	0.019	0.52	<0.1	<0.01	2.0	0.5	0.11	3	<0.5	<0.2
1581458	Drill Core	21	26	1.24	111	0.140	<1	2.08	0.082	1.35	<0.1	<0.01	3.4	1.0	0.60	6	<0.5	<0.2
1581459	Drill Core	17	15	1.29	72	0.091	<1	1.82	0.033	1.07	<0.1	<0.01	1.9	0.7	0.63	5	<0.5	<0.2
1581460	Drill Core	22	15	1.06	74	0.105	<1	1.68	0.014	1.06	0.4	<0.01	2.1	0.7	0.73	5	<0.5	<0.2
1581460a	Rock	10	7	0.55	229	0.129	<1	1.12	0.118	0.52	<0.1	<0.01	3.1	0.3	<0.05	5	<0.5	<0.2
1581461	Drill Core	22	27	1.44	96	0.140	<1	2.18	0.029	1.49	<0.1	<0.01	3.9	0.9	0.54	7	<0.5	<0.2
1581462	Drill Core	19	18	1.19	84	0.091	<1	1.85	0.032	1.04	<0.1	<0.01	2.5	0.7	0.71	5	<0.5	<0.2
1581463	Drill Core	17	24	1.48	99	0.121	<1	2.20	0.089	1.22	<0.1	<0.01	2.6	0.7	0.21	6	<0.5	<0.2
1581464	Drill Core	18	15	1.04	67	0.072	<1	1.92	0.094	0.86	<0.1	<0.01	2.1	0.6	0.46	6	<0.5	<0.2
1581465	Drill Core	16	34	1.67	135	0.170	<1	2.98	0.143	1.70	0.2	<0.01	4.9	1.0	0.25	9	<0.5	<0.2
1581466	Drill Core	14	21	1.04	74	0.098	1	1.69	0.027	0.86	<0.1	<0.01	2.8	0.5	0.46	5	<0.5	<0.2
1581467	Drill Core	16	15	0.58	51	0.048	1	1.11	0.013	0.48	0.1	<0.01	1.4	0.3	0.59	3	<0.5	<0.2
1581468	Drill Core	11	10	0.30	17	0.030	<1	0.63	0.019	0.18	<0.1	<0.01	1.4	0.1	0.39	2	<0.5	<0.2
1581469	Drill Core	17	18	0.47	55	0.042	1	1.09	0.018	0.42	<0.1	<0.01	1.9	0.3	0.30	3	<0.5	0.2
1581470	Drill Core	7	14	0.75	37	0.048	<1	1.41	0.014	0.33	<0.1	<0.01	1.2	0.2	0.46	3	<0.5	<0.2
1581471	Drill Core	9	18	0.65	55	0.059	1	1.26	0.030	0.48	0.2	<0.01	1.6	0.3	0.32	3	<0.5	<0.2
1581472	Drill Core	8	18	1.07	38	0.052	<1	1.60	0.017	0.28	<0.1	<0.01	1.5	0.2	0.18	5	<0.5	<0.2
1581473	Drill Core	7	26	1.41	30	0.037	<1	1.91	0.020	0.20	<0.1	<0.01	2.1	<0.1	0.39	7	<0.5	<0.2
1581474	Drill Core	12	35	1.75	74	0.104	1	2.53	0.041	0.82	<0.1	<0.01	3.2	0.4	0.18	8	<0.5	<0.2
1581475	Drill Core	16	28	1.46	76	0.125	1	2.49	0.094	0.97	<0.1	<0.01	2.6	0.4	0.47	7	<0.5	<0.2
1581476	Drill Core	18	34	1.57	115	0.160	<1	3.14	0.144	1.53	0.2	<0.01	3.9	0.7	0.48	8	<0.5	<0.2
1581477	Drill Core	29	34	1.38	111	0.150	<1	2.76	0.115	1.41	0.2	<0.01	2.6	0.7	0.51	7	<0.5	<0.2
1581478	Drill Core	17	12	0.56	47	0.076	<1	1.11	0.027	0.57	<0.1	<0.01	1.2	0.3	0.49	3	<0.5	<0.2
1581479	Drill Core	16	12	0.34	41	0.024	<1	0.66	0.017	0.32	0.1	<0.01	1.3	0.2	0.51	2	<0.5	0.6
1581480	Drill Core	10	15	1.07	164	0.214	<1	2.69	0.070	1.32	<0.1	<0.01	9.5	0.6	0.18	9	<0.5	<0.2
1581480a	Rock	10	11	0.58	234	0.125	1	1.08	0.110	0.51	<0.1	<0.01	2.7	0.3	<0.05	5	<0.5	<0.2
1581481	Drill Core	12	22	0.93	80	0.135	<1	2.31	0.028	1.12	<0.1	<0.01	3.1	0.7	2.89	7	1.1	<0.2
1581482	Drill Core	16	17	0.45	62	0.055	1	1.08	0.020	0.45	<0.1	<0.01	1.6	0.2	0.16	3	<0.5	<0.2
1581483	Drill Core	6	10	1.02	221	0.175	<1	2.16	0.099	0.58	0.4	<0.01	12.2	0.5	0.60	9	0.8	1.0
1581484	Drill Core	3	7	1.57	267	0.172	<1	2.63	0.066	0.61	2.5	<0.01	11.1	0.5	0.31	11	<0.5	0.2

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Project: EDDY
Report Date: January 09, 2013

CERTIFICATE OF ANALYSIS VAN12005550.1

	Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1581485	Drill Core	1.90	0.4	47.8	39.6	116	0.3	32.4	42.8	799	6.22	34.4	0.9	0.9	24	<0.1	0.2	1.3	231	1.97	0.056
1581486	Drill Core	1.01	6.9	64.3	32.5	80	0.5	27.9	37.1	2414	7.56	29.9	2.8	0.9	92	0.3	0.1	2.2	157	3.75	0.052
1581487	Drill Core	2.27	1.2	39.5	31.1	111	0.3	26.3	30.0	782	5.89	9.3	<0.5	0.8	22	<0.1	<0.1	1.0	173	2.20	0.055
1581488	Drill Core	1.64	2.3	32.4	42.2	141	0.4	31.2	39.9	1468	8.95	12.8	<0.5	1.4	25	<0.1	<0.1	1.1	315	1.67	0.077
1581489	Drill Core	2.26	2.1	410.4	30.0	38	0.9	2.2	28.2	872	5.51	<0.5	3.7	4.2	28	<0.1	0.2	16.1	5	3.18	0.133
1581490	Drill Core	0.93	1.2	385.1	9.9	59	0.2	0.6	25.7	749	5.62	<0.5	<0.5	3.4	23	<0.1	0.2	0.8	4	2.41	0.175
1581491	Drill Core	2.80	1.2	40.7	4.4	106	<0.1	4.5	43.4	673	6.82	11.7	11.8	0.8	10	<0.1	<0.1	1.6	209	1.33	0.066
1581492	Drill Core	0.88	1.4	278.4	16.4	97	0.3	49.4	46.6	1180	7.17	4.1	27.2	0.8	14	<0.1	0.1	2.4	259	0.70	0.054
1581493	Drill Core	2.48	1.0	219.7	28.2	66	0.2	15.1	22.0	609	3.90	8.4	4.0	1.1	83	0.2	0.3	1.1	159	3.98	0.056
1581494	Drill Core	2.39	0.5	74.6	160.6	53	2.3	17.0	14.3	547	3.19	3.7	0.9	7.6	71	0.4	0.3	5.3	64	2.57	0.030
1581495	Drill Core	2.19	0.4	27.6	82.8	24	1.4	10.9	6.9	294	2.11	2.7	3.6	10.0	22	<0.1	0.1	8.6	9	0.54	0.016
1581496	Drill Core	1.19	1.1	32.1	19.5	137	<0.1	22.7	12.8	308	3.84	12.7	<0.5	20.7	7	0.1	0.2	0.4	19	0.22	0.039

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Project: EDDY
Report Date: January 09, 2013

CERTIFICATE OF ANALYSIS VAN12005550.1

	Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1581485	Drill Core	3	6	1.53	120	0.138	1	2.76	0.081	0.39	22.5	<0.01	16.8	0.4	0.22	11	<0.5	<0.2
1581486	Drill Core	3	6	1.58	35	0.039	2	1.58	0.046	0.23	1.3	<0.01	19.6	0.1	1.43	7	<0.5	1.1
1581487	Drill Core	3	5	1.58	138	0.149	<1	2.70	0.089	0.40	0.6	<0.01	10.0	0.4	0.18	11	<0.5	<0.2
1581488	Drill Core	6	4	1.91	103	0.125	1	3.43	0.038	0.44	0.3	<0.01	23.2	0.5	0.21	14	<0.5	<0.2
1581489	Drill Core	9	<1	0.28	30	0.070	<1	1.18	0.109	0.16	23.2	<0.01	7.2	0.2	1.61	7	2.1	0.6
1581490	Drill Core	10	4	0.36	26	0.084	1	1.60	0.134	0.16	0.4	<0.01	9.9	0.2	1.12	9	1.5	<0.2
1581491	Drill Core	4	<1	1.26	586	0.247	<1	2.86	0.097	1.23	0.2	<0.01	14.9	1.1	0.13	10	<0.5	0.3
1581492	Drill Core	4	10	1.59	50	0.110	<1	2.72	0.045	0.41	0.3	<0.01	18.9	0.7	0.29	10	<0.5	0.2
1581493	Drill Core	3	4	0.93	44	0.137	1	1.82	0.087	0.35	2.8	<0.01	12.9	0.5	0.23	8	<0.5	<0.2
1581494	Drill Core	11	17	0.61	172	0.091	<1	1.13	0.061	0.37	0.1	<0.01	7.6	0.3	0.29	5	<0.5	0.3
1581495	Drill Core	14	8	0.39	54	0.044	2	0.68	0.021	0.38	0.1	<0.01	1.5	0.2	0.27	2	<0.5	0.3
1581496	Drill Core	51	18	0.70	58	0.082	<1	1.92	0.015	0.74	<0.1	<0.01	2.9	0.5	<0.05	5	<0.5	<0.2

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Project: EDDY
Report Date: January 09, 2013

QUALITY CONTROL REPORT VAN12005550.1

	Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
1581421	Drill Core	1.83	3.2	37.9	30.8	105	<0.1	25.4	11.9	513	3.00	0.9	2.7	10.1	39	0.2	0.4	0.3	34	1.21	0.052
REP 1581421	QC		2.9	38.7	33.0	106	<0.1	25.2	11.8	516	3.11	1.0	<0.5	10.3	38	0.3	0.5	0.3	34	1.22	0.053
1581426	Drill Core	2.26	1.0	18.2	37.3	94	<0.1	22.4	9.7	515	2.81	1.0	1.9	9.8	63	0.1	0.3	0.2	41	2.73	0.047
REP 1581426	QC		1.0	18.7	35.1	99	<0.1	21.6	9.5	513	2.74	<0.5	1.7	9.5	65	0.1	0.2	0.2	41	2.77	0.049
1581434	Drill Core	1.47	0.7	17.1	10.9	37	<0.1	13.3	7.3	212	1.78	5.8	<0.5	14.6	8	<0.1	0.4	0.2	12	0.31	0.019
REP 1581434	QC		0.6	16.0	10.9	38	<0.1	13.0	6.7	206	1.78	5.9	0.9	14.8	8	<0.1	0.4	0.1	12	0.31	0.018
1581455	Drill Core	1.73	1.6	37.5	33.5	114	0.1	25.0	10.7	739	2.98	<0.5	<0.5	12.0	40	0.1	0.4	0.3	34	1.13	0.061
REP 1581455	QC		1.4	35.4	31.3	108	<0.1	25.0	10.4	711	2.90	<0.5	<0.5	11.5	37	0.1	0.4	0.3	33	1.08	0.056
1581468	Drill Core	2.12	<0.1	18.0	8.4	19	<0.1	7.2	6.9	282	1.56	<0.5	2.1	7.1	25	<0.1	<0.1	<0.1	9	3.24	0.017
REP 1581468	QC		<0.1	19.3	8.6	19	<0.1	7.7	6.8	283	1.59	<0.5	1.2	7.1	25	<0.1	<0.1	<0.1	10	3.28	0.017
1581470	Drill Core	1.14	0.1	35.4	44.7	72	<0.1	18.0	11.6	252	3.07	<0.5	<0.5	13.6	11	0.3	<0.1	0.1	12	0.68	0.029
REP 1581470	QC		0.2	36.3	45.4	74	<0.1	18.4	11.5	255	3.15	<0.5	0.6	13.9	11	0.4	<0.1	0.1	13	0.69	0.029
Core Reject Duplicates																					
1581429	Drill Core	1.84	1.0	25.8	28.5	88	<0.1	24.0	10.9	475	2.92	0.7	<0.5	11.4	49	0.1	0.3	0.3	37	2.38	0.050
DUP 1581429	QC	<0.01	1.1	25.7	27.5	88	<0.1	23.6	10.8	477	2.97	1.0	1.2	11.4	49	0.1	0.3	0.3	38	2.31	0.050
1581461	Drill Core	2.42	0.8	21.5	24.2	130	<0.1	25.1	11.9	542	3.45	<0.5	<0.5	11.7	12	0.2	0.3	0.5	27	1.07	0.045
DUP 1581461	QC	<0.01	0.7	21.9	22.3	131	<0.1	23.2	11.5	528	3.41	<0.5	<0.5	11.7	13	0.3	0.3	0.5	25	1.06	0.043
1581494	Drill Core	2.39	0.5	74.6	160.6	53	2.3	17.0	14.3	547	3.19	3.7	0.9	7.6	71	0.4	0.3	5.3	64	2.57	0.030
DUP 1581494	QC	<0.01	0.4	84.3	150.7	62	2.0	18.0	15.8	580	3.49	3.9	0.6	6.9	82	0.5	0.3	4.7	75	2.84	0.036
Reference Materials																					
STD DS9	Standard		12.7	105.1	124.7	298	1.8	38.9	7.3	587	2.27	25.2	125.0	6.5	69	2.6	5.7	6.3	39	0.74	0.081
STD DS9	Standard		12.8	112.1	132.0	314	1.9	39.8	7.8	588	2.52	24.6	118.3	7.0	72	2.2	5.3	6.7	40	0.74	0.085
STD DS9	Standard		12.7	116.3	134.5	310	1.9	42.0	7.9	574	2.46	24.2	109.2	6.4	58	2.2	4.3	5.7	42	0.73	0.085
STD DS9	Standard		10.8	101.0	134.8	300	1.9	37.7	7.3	567	2.28	25.7	105.7	7.1	75	2.3	5.8	7.5	39	0.68	0.081
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.03	<0.5	<0.5	0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

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Client: **PJX Resources Inc.**
5600 - 100 King Street West
Toronto ON M5X 1C9 Canada

Project: EDDY
Report Date: January 09, 2013

QUALITY CONTROL REPORT VAN12005550.1

	Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1581421	Drill Core	19	32	1.28	89	0.129	2	2.50	0.160	1.42	0.1	<0.01	4.0	0.8	0.68	7	<0.5	<0.2
REP 1581421	QC	19	32	1.31	91	0.133	<1	2.47	0.157	1.42	0.1	<0.01	4.0	0.9	0.68	8	<0.5	0.2
1581426	Drill Core	18	42	2.16	100	0.163	<1	3.45	0.229	2.04	<0.1	<0.01	5.2	1.0	0.47	10	<0.5	<0.2
REP 1581426	QC	18	41	2.15	100	0.163	<1	3.50	0.232	2.02	<0.1	<0.01	5.3	0.9	0.46	10	<0.5	<0.2
1581434	Drill Core	28	15	0.39	52	0.064	2	0.96	0.026	0.37	0.2	<0.01	2.0	0.2	0.15	3	<0.5	<0.2
REP 1581434	QC	28	14	0.39	53	0.062	1	0.90	0.023	0.35	0.1	<0.01	2.0	0.2	0.15	3	<0.5	<0.2
1581455	Drill Core	24	30	1.41	158	0.156	<1	2.62	0.142	1.28	0.2	<0.01	4.9	0.9	0.58	8	<0.5	<0.2
REP 1581455	QC	22	29	1.37	150	0.152	<1	2.44	0.136	1.23	0.2	<0.01	4.8	0.8	0.57	7	<0.5	<0.2
1581468	Drill Core	11	10	0.30	17	0.030	<1	0.63	0.019	0.18	<0.1	<0.01	1.4	0.1	0.39	2	<0.5	<0.2
REP 1581468	QC	10	10	0.31	16	0.028	<1	0.64	0.019	0.18	<0.1	<0.01	1.3	0.1	0.39	2	<0.5	<0.2
1581470	Drill Core	7	14	0.75	37	0.048	<1	1.41	0.014	0.33	<0.1	<0.01	1.2	0.2	0.46	3	<0.5	<0.2
REP 1581470	QC	7	15	0.77	39	0.049	<1	1.44	0.014	0.34	<0.1	<0.01	1.2	0.2	0.47	4	<0.5	<0.2
Core Reject Duplicates																		
1581429	Drill Core	18	36	1.95	109	0.131	<1	2.90	0.161	1.85	<0.1	<0.01	5.1	1.0	0.56	9	<0.5	<0.2
DUP 1581429	QC	18	38	1.96	107	0.140	<1	2.92	0.166	1.87	<0.1	<0.01	5.3	0.9	0.55	9	<0.5	<0.2
1581461	Drill Core	22	27	1.44	96	0.140	<1	2.18	0.029	1.49	<0.1	<0.01	3.9	0.9	0.54	7	<0.5	<0.2
DUP 1581461	QC	21	26	1.49	99	0.144	<1	2.21	0.029	1.47	<0.1	<0.01	3.5	0.9	0.55	7	<0.5	<0.2
1581494	Drill Core	11	17	0.61	172	0.091	<1	1.13	0.061	0.37	0.1	<0.01	7.6	0.3	0.29	5	<0.5	0.3
DUP 1581494	QC	10	15	0.67	163	0.089	2	1.18	0.064	0.37	0.1	<0.01	8.1	0.3	0.33	5	<0.5	0.4
Reference Materials																		
STD DS9	Standard	13	119	0.60	290	0.115	2	0.98	0.087	0.40	2.7	0.21	2.7	5.4	0.16	4	4.9	4.7
STD DS9	Standard	14	120	0.66	301	0.115	4	0.91	0.090	0.42	2.9	0.22	2.4	5.6	0.16	5	5.6	5.3
STD DS9	Standard	13	127	0.63	276	0.101	3	0.94	0.087	0.41	2.8	0.20	2.3	5.5	0.17	4	5.5	5.0
STD DS9	Standard	13	111	0.60	297	0.107	3	0.91	0.080	0.38	3.0	0.22	2.5	5.2	0.16	4	5.3	5.0
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Client: **PJX Resources Inc.**
5600 - 100 King Street West
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Project: EDDY
Report Date: January 09, 2013

QUALITY CONTROL REPORT VAN12005550.1

		WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
Prep Wash																					
G1	Prep Blank	<0.01	0.1	2.9	3.0	50	<0.1	3.9	4.6	580	1.96	<0.5	2.9	4.5	47	<0.1	<0.1	<0.1	37	0.45	0.069
G1	Prep Blank	<0.01	0.2	2.9	2.9	51	<0.1	4.1	4.5	591	2.02	<0.5	1.0	4.7	48	<0.1	<0.1	<0.1	39	0.46	0.069

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Project: EDDY
Report Date: January 09, 2013

QUALITY CONTROL REPORT VAN12005550.1

		1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																		
G1	Prep Blank	9	7	0.57	209	0.105	1	0.93	0.077	0.46	<0.1	<0.01	2.1	0.3	<0.05	5	<0.5	<0.2
G1	Prep Blank	9	8	0.60	225	0.111	1	1.00	0.086	0.50	<0.1	<0.01	2.6	0.3	<0.05	5	<0.5	<0.2

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Client: **PJX Resources Inc.**
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Submitted By:	Linda Brennan
Receiving Lab:	Canada-Vancouver
Received:	November 26, 2012
Report Date:	January 09, 2013
Page:	1 of 6

CERTIFICATE OF ANALYSIS VAN12005644.1

CLIENT JOB INFORMATION

Project:	EDDY
Shipment ID:	
P.O. Number	
Number of Samples:	136

SAMPLE DISPOSAL

DISP-PLP	Dispose of Pulp After 90 days
DISP-RJT	Dispose of Reject After 90 days

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	136	Crush, split and pulverize 250 g rock to 200 mesh			VAN
1DX3	136	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: PJX Resources Inc.
5600 - 100 King Street West
Toronto ON M5X 1C9
Canada

CC: John Keating
Michael Seabrook

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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Project: EDDY
Report Date: January 09, 2013

CERTIFICATE OF ANALYSIS VAN12005644.1

	Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
G1	Prep Blank	<0.01	<0.1	3.4	4.3	49	<0.1	3.7	4.3	543	1.85	<0.5	2.3	4.5	48	<0.1	<0.1	<0.1	34	0.41	0.081
G1	Prep Blank	<0.01	<0.1	3.8	3.8	47	<0.1	3.9	4.4	547	1.86	<0.5	1.5	4.3	48	<0.1	<0.1	<0.1	34	0.42	0.080
1620797	Rock	2.51	0.8	29.1	7.3	60	<0.1	19.4	11.1	215	2.78	6.8	1.2	13.7	11	<0.1	0.2	0.3	12	0.21	0.036
1620798	Rock	2.29	0.5	37.5	5.4	59	<0.1	19.8	10.4	282	2.92	3.6	<0.5	19.6	7	<0.1	0.3	0.3	12	0.18	0.043
1620799	Rock	2.27	0.4	21.1	4.4	77	<0.1	24.1	11.6	336	3.45	9.6	0.9	17.5	5	<0.1	0.2	0.2	18	0.16	0.033
1620800	Rock	2.42	1.7	36.5	41.0	50	0.1	21.0	13.7	344	2.85	3.5	<0.5	15.2	16	<0.1	0.4	0.7	14	0.63	0.031
1620801	Rock	2.12	1.3	34.8	276.4	94	0.5	19.6	14.1	307	2.92	18.2	4.2	12.1	39	0.9	0.3	1.3	13	0.63	0.027
1620802	Rock	2.25	2.3	47.0	33.4	71	0.1	25.3	14.8	292	3.21	8.1	1.0	10.7	16	0.2	0.3	0.4	9	0.33	0.032
1620803	Rock	2.45	0.6	22.6	66.7	110	0.1	23.0	12.2	992	2.77	22.7	1.0	9.6	27	0.3	0.4	0.4	20	2.85	0.049
1620804	Rock	2.52	0.8	24.3	14.0	72	<0.1	20.9	11.1	235	2.81	4.2	1.2	15.2	7	<0.1	0.3	0.5	11	0.25	0.048
1620805	Rock	2.31	0.6	20.0	19.5	79	<0.1	19.5	10.6	300	2.96	4.7	0.8	13.6	9	<0.1	0.3	0.5	16	0.28	0.035
1620805a	Rock	0.27	<0.1	1.4	2.8	48	<0.1	3.9	4.2	542	1.84	<0.5	0.5	4.5	53	<0.1	<0.1	<0.1	33	0.48	0.078
1620806	Rock	2.20	0.6	34.8	15.9	72	<0.1	20.1	11.4	322	2.85	2.3	0.5	12.1	10	<0.1	0.4	0.4	14	0.46	0.033
1620807	Rock	2.09	1.4	30.3	1193	218	0.9	36.2	13.0	814	3.41	2.3	1.4	10.2	44	2.6	0.9	0.8	30	2.33	0.055
1620808	Rock	1.91	1.6	39.1	25.8	93	0.1	25.2	12.7	456	3.13	1.2	1.3	12.4	42	0.3	0.4	0.4	13	1.43	0.042
1620809	Rock	2.35	1.7	36.3	48.2	91	0.2	26.3	10.1	775	3.33	122.9	4.1	9.1	127	0.2	0.5	0.5	12	2.54	0.055
1620810	Rock	2.16	0.7	35.5	40.6	74	0.3	28.0	12.3	569	3.55	44.5	3.7	9.3	85	0.2	0.4	0.4	3	1.43	0.037
1620811	Rock	2.59	0.8	27.4	35.4	141	0.2	22.2	16.5	590	3.37	17.1	1.1	9.3	93	0.2	0.4	0.6	5	1.38	0.046
1620812	Rock	2.46	0.7	23.4	29.8	113	0.1	23.5	10.1	727	2.91	4.5	<0.5	9.3	102	0.2	0.3	0.4	11	1.87	0.050
1620813	Rock	2.26	0.2	12.2	73.7	40	0.3	6.6	4.1	196	1.04	7.3	3.0	6.3	32	<0.1	0.3	0.9	5	0.54	0.014
1620814	Rock	2.42	0.7	22.6	8.5	59	<0.1	16.6	9.1	333	2.36	6.6	5.1	8.0	35	<0.1	0.4	0.2	5	0.49	0.027
1620815	Rock	2.00	0.4	28.6	102.0	47	0.4	14.6	14.2	273	1.96	15.2	0.6	8.9	41	<0.1	0.1	2.2	9	0.54	0.021
1620816	Rock	2.15	0.5	16.1	92.6	69	0.3	16.5	10.3	293	2.26	9.2	2.2	11.1	18	<0.1	0.1	2.0	11	0.27	0.028
1620817	Rock	2.18	0.4	8.8	18.2	42	<0.1	11.4	7.5	339	1.86	6.7	1.0	9.8	42	<0.1	0.1	0.4	9	0.68	0.021
1620818	Rock	2.31	0.3	7.0	20.1	54	<0.1	9.7	5.6	274	1.65	4.6	1.0	10.5	32	<0.1	0.1	0.4	8	0.45	0.022
1620819	Rock	1.97	0.4	25.2	12.3	68	<0.1	13.2	9.0	243	2.04	5.2	0.5	13.7	25	<0.1	0.2	0.2	10	0.36	0.031
1620820	Rock	2.35	0.4	9.6	8.8	42	<0.1	9.6	5.7	198	1.64	6.0	1.8	11.2	21	<0.1	0.1	0.1	10	0.31	0.023
1620821	Rock	2.58	0.5	64.6	622.7	160	1.7	18.2	14.6	298	2.83	2.6	62.8	11.2	47	0.6	0.4	7.1	10	0.67	0.026
1620822	Rock	1.91	3.2	47.6	40.2	80	0.2	22.7	14.4	411	2.90	1.5	5.8	7.5	45	0.3	0.2	0.8	7	0.68	0.039
1620823	Rock	2.27	0.8	32.0	25.4	76	0.1	16.3	9.8	430	2.40	1.2	6.0	8.8	45	0.3	0.1	0.3	8	0.74	0.028

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Project: EDDY
Report Date: January 09, 2013

CERTIFICATE OF ANALYSIS VAN12005644.1

	Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
G1	Prep Blank	7	10	0.57	225	0.116	<1	0.96	0.088	0.49	<0.1	<0.01	2.3	0.3	<0.05	5	<0.5	<0.2
G1	Prep Blank	7	11	0.58	226	0.111	<1	0.94	0.078	0.49	<0.1	<0.01	2.4	0.3	<0.05	5	<0.5	<0.2
1620797	Rock	24	16	0.67	54	0.047	<1	1.34	0.033	0.41	0.1	<0.01	2.1	0.3	0.38	4	<0.5	<0.2
1620798	Rock	37	13	0.78	66	0.061	<1	1.53	0.017	0.42	0.1	<0.01	2.0	0.3	0.39	4	<0.5	<0.2
1620799	Rock	41	18	1.03	89	0.127	<1	1.86	0.017	0.80	0.2	<0.01	2.8	0.8	0.30	5	<0.5	<0.2
1620800	Rock	25	17	0.69	56	0.083	<1	1.22	0.024	0.39	0.2	<0.01	2.4	0.3	0.75	3	<0.5	<0.2
1620801	Rock	17	16	0.67	61	0.029	1	1.15	0.035	0.39	0.2	<0.01	2.9	0.3	0.78	3	<0.5	0.4
1620802	Rock	21	12	0.72	56	0.017	<1	1.24	0.031	0.37	0.2	<0.01	1.7	0.3	0.88	3	<0.5	<0.2
1620803	Rock	20	27	1.74	68	0.092	<1	1.96	0.030	0.83	0.2	<0.01	1.9	0.5	0.72	5	<0.5	<0.2
1620804	Rock	33	14	0.93	61	0.062	1	1.46	0.030	0.47	0.2	<0.01	2.2	0.4	0.64	4	<0.5	<0.2
1620805	Rock	28	20	1.11	72	0.088	<1	1.62	0.024	0.62	0.2	<0.01	2.2	0.5	0.55	5	<0.5	<0.2
1620805a	Rock	8	6	0.59	230	0.114	<1	0.94	0.078	0.48	<0.1	<0.01	2.3	0.3	<0.05	5	<0.5	<0.2
1620806	Rock	25	18	0.95	60	0.082	<1	1.39	0.026	0.56	0.2	<0.01	2.2	0.5	0.71	4	<0.5	<0.2
1620807	Rock	20	52	1.68	61	0.100	1	2.17	0.036	0.57	0.5	<0.01	3.1	0.4	0.68	6	<0.5	0.2
1620808	Rock	22	18	1.13	54	0.046	<1	1.56	0.019	0.33	0.1	<0.01	1.8	0.2	0.94	4	<0.5	<0.2
1620809	Rock	16	15	1.43	45	0.026	2	1.19	0.030	0.31	0.1	<0.01	2.9	0.2	0.74	3	<0.5	<0.2
1620810	Rock	12	4	1.09	45	0.001	2	0.33	0.014	0.27	0.1	<0.01	2.0	0.1	1.15	<1	<0.5	<0.2
1620811	Rock	13	6	1.27	52	0.002	2	0.56	0.019	0.33	<0.1	<0.01	2.5	0.1	0.89	1	<0.5	<0.2
1620812	Rock	15	16	1.27	53	0.005	1	1.23	0.021	0.32	<0.1	<0.01	2.2	0.2	0.67	3	<0.5	<0.2
1620813	Rock	10	7	0.27	19	0.019	<1	0.42	0.036	0.09	<0.1	<0.01	1.0	<0.1	0.13	1	<0.5	<0.2
1620814	Rock	14	8	0.53	54	0.003	<1	0.66	0.020	0.26	<0.1	<0.01	1.5	0.1	0.43	2	<0.5	<0.2
1620815	Rock	15	10	0.44	47	0.020	<1	0.83	0.038	0.25	0.2	<0.01	1.6	0.2	0.19	2	<0.5	<0.2
1620816	Rock	22	15	0.57	75	0.057	1	1.14	0.026	0.52	0.1	<0.01	1.8	0.5	0.10	3	<0.5	<0.2
1620817	Rock	17	11	0.47	45	0.040	<1	0.86	0.036	0.33	<0.1	<0.01	1.6	0.3	0.07	3	<0.5	<0.2
1620818	Rock	19	16	0.40	47	0.019	<1	0.78	0.033	0.24	<0.1	<0.01	1.5	0.1	0.05	3	<0.5	<0.2
1620819	Rock	20	13	0.47	58	0.042	1	1.00	0.032	0.37	0.1	<0.01	2.0	0.3	0.13	3	<0.5	<0.2
1620820	Rock	21	17	0.39	58	0.045	2	0.83	0.031	0.37	0.1	<0.01	1.5	0.3	0.09	3	<0.5	<0.2
1620821	Rock	15	12	0.55	53	0.036	<1	1.02	0.025	0.37	0.1	<0.01	1.9	0.3	0.66	3	<0.5	1.8
1620822	Rock	8	9	0.58	58	0.018	<1	0.97	0.022	0.36	0.1	<0.01	1.2	0.3	0.99	2	<0.5	0.3
1620823	Rock	13	8	0.53	62	0.034	<1	0.87	0.018	0.43	0.2	<0.01	1.6	0.3	0.69	3	<0.5	0.3

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Project: EDDY
Report Date: January 09, 2013

CERTIFICATE OF ANALYSIS VAN12005644.1

	Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1620824	Rock	1.96	0.8	6.4	43.4	17	0.5	20.3	11.3	503	2.41	114.1	27.0	7.9	61	<0.1	0.7	0.4	<2	0.97	0.026
1620825	Rock	2.27	0.5	12.5	16.1	53	0.1	16.0	11.2	503	2.17	77.3	6.9	10.0	33	0.2	<0.1	0.1	<2	0.65	0.025
1620825a	Rock	0.25	<0.1	1.2	2.7	42	<0.1	3.2	3.9	520	1.72	<0.5	1.0	4.4	54	<0.1	<0.1	<0.1	31	0.42	0.076
1620826	Rock	2.13	0.3	21.0	25.8	93	0.2	20.5	10.1	494	2.89	44.0	1.8	10.4	36	0.4	0.1	0.3	<2	0.77	0.026
1620827	Rock	2.42	0.5	41.7	29.2	73	0.2	21.9	12.2	503	3.16	38.8	1.8	11.4	22	<0.1	0.3	0.4	2	0.42	0.029
1620828	Rock	1.96	0.3	10.9	23.1	63	0.1	13.7	9.8	640	2.24	41.1	3.0	11.9	40	0.3	<0.1	0.2	<2	0.91	0.027
1620829	Rock	0.89	0.4	3.3	3.3	6	<0.1	14.7	7.2	291	1.19	40.8	2.8	10.0	33	<0.1	<0.1	<0.1	<2	0.49	0.019
1620830	Rock	2.16	0.3	1.6	8.3	8	<0.1	8.1	4.7	450	1.21	25.3	0.6	12.0	65	<0.1	<0.1	0.1	<2	1.00	0.018
1620831	Rock	2.19	0.4	3.8	8.5	18	<0.1	13.5	9.0	278	1.32	33.7	2.7	11.4	21	<0.1	<0.1	<0.1	3	0.34	0.018
1620832	Rock	2.11	0.5	8.5	12.5	18	<0.1	19.4	10.1	543	2.44	49.5	2.4	12.1	32	<0.1	0.1	0.1	<2	0.55	0.026
1620833	Rock	2.75	0.4	4.7	6.3	12	<0.1	17.9	10.1	598	2.18	53.3	0.6	14.3	27	<0.1	0.1	<0.1	<2	0.45	0.023
1620834	Rock	2.21	1.6	11.2	13.3	21	0.1	26.7	15.0	436	2.56	64.0	1.8	14.8	13	<0.1	0.2	0.2	2	0.22	0.033
1620835	Rock	2.55	0.3	1.7	2.3	7	<0.1	6.8	4.1	482	1.11	26.1	1.6	10.2	64	<0.1	<0.1	<0.1	<2	1.13	0.017
1620836	Rock	2.19	0.2	11.7	8.6	16	<0.1	24.2	4.7	694	1.74	331.3	7.6	11.1	62	<0.1	<0.1	<0.1	<2	1.27	0.015
1620837	Rock	1.95	0.4	7.2	42.6	28	0.2	11.3	6.0	413	2.13	20.3	<0.5	11.6	35	<0.1	<0.1	0.3	<2	0.63	0.023
1620838	Rock	2.30	0.4	33.2	113.6	71	0.4	20.5	11.9	350	3.17	30.6	2.7	9.9	15	0.3	0.2	0.4	<2	0.27	0.029
1620839	Rock	2.38	0.4	20.4	17.2	52	0.2	16.1	9.0	304	2.46	17.4	5.0	9.5	39	<0.1	0.1	0.3	2	0.67	0.026
1620840	Rock	1.95	0.5	25.2	5.0	49	<0.1	21.0	10.1	281	3.15	5.8	<0.5	9.8	12	<0.1	<0.1	0.3	4	0.23	0.031
1620841	Rock	1.66	0.6	34.9	8.1	54	<0.1	25.4	14.4	592	3.26	1.8	1.3	7.8	27	0.2	0.2	0.4	3	1.17	0.035
1620842	Rock	1.18	3.0	189.8	5858	4787	6.4	20.1	18.3	389	3.54	6.2	101.7	5.3	49	99.0	2.1	8.0	<2	0.87	0.019
1620843	Rock	1.50	0.4	27.5	5.0	42	<0.1	20.4	11.5	249	2.84	2.2	1.9	7.6	17	<0.1	<0.1	0.2	7	0.23	0.027
1620844	Rock	2.47	2.0	31.7	32.4	78	0.1	31.6	14.8	404	3.41	1.8	0.5	9.8	69	0.2	0.1	0.9	15	0.97	0.047
1620845	Rock	2.51	1.2	33.8	6.5	60	<0.1	21.4	11.4	324	2.68	<0.5	2.2	8.5	31	<0.1	0.1	0.4	8	0.43	0.031
1620845a	Rock	0.29	<0.1	1.4	4.3	47	<0.1	3.5	4.1	567	1.89	<0.5	<0.5	5.0	63	<0.1	<0.1	<0.1	38	0.47	0.078
1620846	Rock	2.67	3.4	54.7	71.1	119	0.4	29.7	12.4	533	3.12	570.9	17.6	8.0	142	0.4	0.3	0.4	4	2.35	0.063
1620847	Rock	2.44	4.8	76.0	74.9	105	0.4	26.5	12.2	305	3.01	1165	10.9	8.9	72	0.7	0.5	0.1	2	0.81	0.040
1620848	Rock	2.82	2.5	47.0	33.9	77	0.2	26.6	11.0	464	2.84	11.3	1.2	9.1	113	0.2	0.4	0.3	9	2.35	0.045
1620849	Rock	2.83	2.0	31.6	26.3	77	<0.1	25.8	10.8	523	2.60	4.2	2.0	9.1	117	0.2	0.3	0.3	11	3.00	0.056
1620850	Rock	2.15	1.1	26.0	28.8	80	<0.1	24.0	10.1	469	2.58	1.5	0.6	9.7	101	0.2	0.4	0.2	13	3.09	0.058
1620851	Rock	2.22	1.5	32.8	519.5	147	0.3	24.4	12.6	515	2.76	0.8	1.4	9.0	83	1.7	0.6	0.4	14	3.48	0.057

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CERTIFICATE OF ANALYSIS VAN12005644.1

	Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1620824	Rock	9	9	0.39	40	<0.001	2	0.27	0.011	0.21	0.1	<0.01	1.7	<0.1	1.04	<1	<0.5	0.3
1620825	Rock	16	2	0.37	37	<0.001	<1	0.28	0.017	0.20	0.1	<0.01	1.3	<0.1	0.27	<1	<0.5	<0.2
1620825a	Rock	8	10	0.53	216	0.112	<1	0.94	0.091	0.48	<0.1	<0.01	2.5	0.3	<0.05	4	<0.5	<0.2
1620826	Rock	20	3	0.51	36	<0.001	2	0.30	0.018	0.20	<0.1	<0.01	1.6	<0.1	0.15	<1	<0.5	<0.2
1620827	Rock	21	5	0.53	48	<0.001	1	0.32	0.015	0.25	0.1	<0.01	1.6	<0.1	0.26	<1	<0.5	<0.2
1620828	Rock	24	2	0.40	37	<0.001	1	0.28	0.019	0.22	0.1	<0.01	1.8	<0.1	0.17	<1	<0.5	<0.2
1620829	Rock	22	8	0.22	33	<0.001	2	0.31	0.022	0.18	0.2	<0.01	1.7	<0.1	0.14	<1	<0.5	<0.2
1620830	Rock	29	2	0.33	36	<0.001	<1	0.27	0.025	0.19	<0.1	<0.01	2.1	<0.1	<0.05	<1	<0.5	<0.2
1620831	Rock	22	13	0.23	40	0.002	1	0.37	0.022	0.22	0.1	<0.01	1.6	<0.1	0.18	<1	<0.5	<0.2
1620832	Rock	22	3	0.45	46	<0.001	1	0.33	0.017	0.26	0.1	<0.01	2.2	<0.1	0.28	<1	<0.5	<0.2
1620833	Rock	26	7	0.37	42	<0.001	1	0.31	0.017	0.24	<0.1	<0.01	1.6	<0.1	0.29	<1	<0.5	<0.2
1620834	Rock	25	3	0.36	52	0.001	2	0.35	0.015	0.29	0.2	<0.01	1.7	<0.1	0.72	1	<0.5	<0.2
1620835	Rock	21	11	0.36	27	<0.001	1	0.24	0.029	0.16	0.1	<0.01	2.4	<0.1	0.09	<1	<0.5	<0.2
1620836	Rock	21	3	0.42	30	<0.001	1	0.25	0.028	0.15	<0.1	<0.01	2.4	<0.1	0.20	<1	<0.5	<0.2
1620837	Rock	23	10	0.39	40	0.002	1	0.32	0.018	0.22	0.1	<0.01	1.2	<0.1	0.08	<1	<0.5	<0.2
1620838	Rock	21	3	0.54	52	<0.001	1	0.34	0.014	0.29	0.1	<0.01	1.3	<0.1	0.37	<1	<0.5	0.3
1620839	Rock	17	11	0.43	43	0.001	<1	0.38	0.019	0.23	<0.1	<0.01	1.5	<0.1	0.28	<1	<0.5	<0.2
1620840	Rock	18	6	0.59	58	0.002	1	0.66	0.021	0.31	<0.1	<0.01	1.7	0.1	0.58	2	<0.5	<0.2
1620841	Rock	12	6	0.56	43	0.001	<1	0.74	0.013	0.25	<0.1	<0.01	1.1	0.1	0.81	2	<0.5	<0.2
1620842	Rock	5	2	0.47	38	0.001	<1	0.26	0.014	0.24	0.2	0.04	0.9	0.1	2.32	<1	1.2	14.2
1620843	Rock	14	11	0.61	44	0.014	<1	0.95	0.025	0.27	<0.1	<0.01	1.4	0.1	0.61	3	<0.5	<0.2
1620844	Rock	18	18	0.93	74	0.027	1	1.46	0.035	0.48	<0.1	<0.01	2.1	0.3	0.71	4	<0.5	<0.2
1620845	Rock	14	11	0.58	54	0.024	<1	0.95	0.014	0.40	0.1	<0.01	1.3	0.3	0.79	2	<0.5	<0.2
1620845a	Rock	10	6	0.57	223	0.122	<1	0.97	0.083	0.49	<0.1	<0.01	2.8	0.3	<0.05	5	<0.5	<0.2
1620846	Rock	11	8	1.08	47	0.003	<1	0.63	0.015	0.30	<0.1	<0.01	2.0	0.1	0.73	1	<0.5	0.3
1620847	Rock	14	3	0.62	57	0.002	1	0.40	0.015	0.33	0.2	<0.01	1.7	0.1	0.86	<1	<0.5	<0.2
1620848	Rock	15	15	1.15	48	0.013	2	1.08	0.025	0.31	0.2	<0.01	1.7	0.2	0.83	3	<0.5	<0.2
1620849	Rock	17	16	1.39	57	0.027	<1	1.50	0.020	0.36	<0.1	<0.01	1.8	0.2	0.62	3	<0.5	<0.2
1620850	Rock	20	21	1.52	57	0.070	<1	1.70	0.020	0.42	<0.1	<0.01	1.7	0.2	0.62	4	0.5	<0.2
1620851	Rock	20	22	1.74	63	0.091	<1	1.94	0.020	0.58	0.2	<0.01	1.8	0.3	0.70	4	0.6	<0.2

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Client: **PJX Resources Inc.**
5600 - 100 King Street West
Toronto ON M5X 1C9 Canada

Project: EDDY
Report Date: January 09, 2013

CERTIFICATE OF ANALYSIS VAN12005644.1

Method		WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
Analyte		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1620852	Rock	2.18	0.9	26.3	172.8	100	0.2	22.0	10.2	460	2.50	<0.5	<0.5	9.5	72	0.5	0.3	0.3	14	3.38	0.051
1620853	Rock	3.04	1.5	34.1	72.4	100	<0.1	26.5	12.3	454	2.75	1.2	<0.5	10.7	85	0.5	0.3	0.2	16	3.43	0.055
1620854	Rock	2.21	0.8	22.1	55.1	87	0.1	21.8	10.6	573	2.78	1.2	<0.5	9.9	96	0.3	0.2	0.3	18	4.33	0.052
1620855	Rock	2.56	0.8	25.8	331.7	81	0.2	22.0	10.7	488	2.69	1.4	<0.5	10.3	86	0.2	0.4	0.3	18	3.62	0.047
1620856	Rock	2.43	1.0	28.8	667.3	86	0.4	23.1	11.4	527	2.92	2.0	<0.5	11.0	83	0.4	0.5	0.7	20	3.77	0.052
1620857	Rock	2.36	3.8	32.5	55.9	55	0.2	18.9	10.1	377	2.87	0.9	0.6	11.6	102	<0.1	0.2	0.4	11	2.21	0.037
1620858	Rock	2.43	1.2	34.7	63.9	79	0.2	18.1	8.4	398	2.37	0.8	<0.5	11.4	73	0.2	0.2	0.7	11	2.37	0.038
1620859	Rock	2.60	4.5	40.8	102.1	120	0.2	23.9	11.2	559	2.80	4.8	<0.5	9.0	104	0.6	0.3	0.5	8	2.94	0.059
1620860	Rock	2.64	2.4	42.0	43.3	65	0.1	18.8	10.2	367	2.35	11.8	<0.5	9.6	54	0.3	0.2	0.4	3	1.28	0.034
1620861	Rock	2.16	0.4	18.8	98.8	55	0.2	11.6	6.7	375	1.96	15.9	<0.5	10.3	35	0.2	0.3	0.1	3	0.59	0.017
1620862	Rock	2.48	0.4	15.1	27.9	47	0.1	13.7	7.8	322	2.16	34.9	0.9	9.2	12	0.2	0.4	<0.1	2	0.20	0.016
1620863	Rock	2.34	0.3	15.4	303.2	371	0.6	7.0	4.4	532	1.62	51.7	12.9	9.0	58	2.8	0.4	0.2	2	0.85	0.018
1620864	Rock	1.24	0.4	100.6	32.5	2669	0.5	11.5	6.3	188	1.07	201.8	3.4	8.3	19	20.1	0.3	<0.1	<2	0.31	0.015
1620865	Rock	1.71	0.3	1652	3865	4426	14.3	7.6	4.3	94	1.17	383.3	109.5	4.8	5	30.1	5.2	0.3	<2	0.08	0.007
1620865a	Rock	0.29	<0.1	2.3	6.9	53	<0.1	4.0	4.4	586	1.84	1.1	<0.5	4.2	50	<0.1	<0.1	<0.1	34	0.45	0.073
1620866	Rock	1.80	0.4	23.7	15.8	35	0.1	11.0	7.3	447	2.10	186.9	1.7	8.7	33	0.2	0.2	<0.1	2	0.53	0.018
1620867	Rock	2.56	0.2	11.0	28.4	64	0.1	10.4	6.7	465	2.05	81.7	<0.5	8.3	40	0.4	0.2	0.1	3	0.65	0.015
1620868	Rock	2.45	0.3	8.7	42.5	58	0.2	8.6	5.0	318	1.21	14.6	<0.5	7.7	27	0.2	0.2	0.3	3	0.47	0.013
1620869	Rock	2.63	0.2	3.2	11.2	18	<0.1	6.9	5.3	440	1.56	75.1	1.6	9.0	44	<0.1	0.2	<0.1	2	0.78	0.010
1620870	Rock	2.49	0.9	51.1	113.7	78	0.2	27.4	13.4	428	2.55	1.3	<0.5	7.9	35	0.5	0.2	0.5	11	1.29	0.033
1620871	Rock	2.41	0.5	38.3	42.7	48	0.1	20.9	12.8	164	2.49	3.9	<0.5	7.6	25	0.6	0.2	0.1	6	0.45	0.023
1620872	Rock	2.29	2.6	33.1	28.0	76	0.1	24.1	11.2	718	3.00	1.8	<0.5	8.5	35	0.3	0.2	0.5	20	2.39	0.057
1620873	Rock	2.19	1.6	26.1	822.5	640	0.4	24.4	11.2	663	2.87	2.9	<0.5	8.6	32	12.5	0.5	0.5	19	2.13	0.056
1620874	Rock	2.19	2.1	27.0	25.7	127	<0.1	23.6	11.2	531	2.90	1.7	<0.5	9.0	24	0.5	0.3	0.4	20	1.62	0.051
1620875	Rock	2.31	2.7	26.9	18.5	68	<0.1	21.8	10.4	392	2.76	<0.5	<0.5	9.9	20	0.2	0.2	0.3	15	0.87	0.048
1620876	Rock	2.74	0.8	36.1	19.6	100	<0.1	26.3	12.6	526	3.24	0.7	<0.5	11.3	48	0.2	0.2	0.3	19	1.39	0.036
1620877	Rock	2.53	2.2	36.3	10.0	76	<0.1	23.6	13.2	183	3.18	<0.5	<0.5	13.2	16	0.3	0.2	0.3	12	0.32	0.038
1620878	Rock	2.31	3.4	39.4	16.5	68	<0.1	26.4	12.5	474	3.30	0.7	<0.5	10.0	19	0.1	0.3	0.3	21	0.87	0.048
1620879	Rock	2.36	3.9	41.3	50.2	138	0.1	26.9	10.7	549	3.06	0.8	<0.5	9.0	22	0.4	0.3	0.4	21	1.09	0.060
1620880	Rock	2.63	0.5	36.3	13.4	62	0.1	30.4	14.6	449	3.36	34.7	2.5	9.7	15	0.2	0.8	0.5	5	0.29	0.037

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CERTIFICATE OF ANALYSIS VAN12005644.1

	Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1620852	Rock	22	23	1.76	70	0.091	<1	1.91	0.020	0.74	0.2	<0.01	1.6	0.4	0.54	4	<0.5	<0.2
1620853	Rock	19	23	1.81	76	0.099	<1	2.00	0.024	0.79	0.2	<0.01	1.8	0.5	0.70	5	<0.5	<0.2
1620854	Rock	21	25	2.07	81	0.102	<1	2.17	0.022	0.98	0.2	<0.01	1.7	0.6	0.52	6	<0.5	<0.2
1620855	Rock	20	22	1.79	75	0.086	<1	2.00	0.026	0.79	0.3	<0.01	2.0	0.5	0.59	5	<0.5	<0.2
1620856	Rock	25	25	1.93	72	0.104	<1	2.14	0.028	0.82	0.9	<0.01	2.3	0.6	0.63	5	<0.5	<0.2
1620857	Rock	20	13	1.32	67	0.010	<1	1.68	0.016	0.39	0.2	<0.01	2.0	0.2	0.73	4	<0.5	<0.2
1620858	Rock	21	14	1.07	52	0.033	<1	1.34	0.017	0.38	<0.1	<0.01	1.5	0.2	0.64	3	<0.5	<0.2
1620859	Rock	17	11	1.25	60	0.007	1	1.15	0.019	0.36	0.1	<0.01	1.7	0.2	0.66	3	<0.5	<0.2
1620860	Rock	16	12	0.59	45	0.007	<1	0.43	0.014	0.28	0.1	<0.01	1.1	0.1	0.72	<1	<0.5	<0.2
1620861	Rock	20	4	0.39	43	0.002	1	0.39	0.020	0.25	0.1	<0.01	1.4	<0.1	0.34	<1	<0.5	<0.2
1620862	Rock	18	10	0.33	36	<0.001	1	0.30	0.021	0.18	0.2	<0.01	1.2	<0.1	0.35	<1	<0.5	<0.2
1620863	Rock	16	2	0.37	32	<0.001	<1	0.27	0.021	0.17	0.1	<0.01	1.9	<0.1	0.24	<1	<0.5	<0.2
1620864	Rock	15	10	0.17	30	<0.001	1	0.27	0.019	0.17	<0.1	0.03	1.0	<0.1	0.33	<1	<0.5	<0.2
1620865	Rock	10	1	0.09	22	<0.001	1	0.18	0.019	0.12	<0.1	0.06	0.6	<0.1	0.77	<1	<0.5	0.4
1620865a	Rock	9	11	0.56	237	0.127	<1	1.01	0.092	0.50	<0.1	<0.01	2.5	0.3	<0.05	5	<0.5	<0.2
1620866	Rock	19	3	0.35	34	<0.001	<1	0.31	0.019	0.18	0.1	<0.01	1.2	<0.1	0.18	<1	<0.5	<0.2
1620867	Rock	19	15	0.40	36	0.001	<1	0.30	0.023	0.19	0.1	<0.01	1.4	<0.1	0.12	<1	<0.5	<0.2
1620868	Rock	19	5	0.26	33	0.006	<1	0.41	0.025	0.14	<0.1	<0.01	1.0	<0.1	0.05	<1	<0.5	<0.2
1620869	Rock	16	17	0.32	29	<0.001	<1	0.23	0.034	0.13	<0.1	<0.01	1.7	<0.1	0.19	<1	<0.5	<0.2
1620870	Rock	15	12	0.72	60	0.065	<1	1.21	0.018	0.58	0.2	<0.01	1.6	0.5	0.73	3	<0.5	<0.2
1620871	Rock	14	9	0.48	53	0.011	1	0.67	0.018	0.34	0.1	<0.01	1.2	0.2	0.75	2	<0.5	<0.2
1620872	Rock	19	22	1.47	69	0.095	<1	1.93	0.032	0.68	0.2	<0.01	2.2	0.5	0.58	5	<0.5	<0.2
1620873	Rock	18	24	1.44	67	0.102	<1	1.96	0.044	0.76	0.3	<0.01	2.0	0.6	0.65	4	<0.5	0.8
1620874	Rock	20	21	1.30	68	0.104	<1	1.81	0.035	0.80	0.2	<0.01	2.5	0.7	0.66	4	<0.5	<0.2
1620875	Rock	22	18	1.06	69	0.068	1	1.56	0.023	0.59	0.2	<0.01	1.8	0.5	0.63	4	<0.5	<0.2
1620876	Rock	27	20	1.17	94	0.071	<1	1.59	0.028	0.65	0.3	<0.01	2.4	0.6	0.89	4	<0.5	<0.2
1620877	Rock	31	13	0.91	66	0.048	1	1.42	0.023	0.63	0.1	<0.01	1.9	0.6	0.94	4	<0.5	<0.2
1620878	Rock	20	22	1.27	77	0.090	<1	1.72	0.030	0.74	0.3	<0.01	2.7	0.7	0.83	5	0.5	<0.2
1620879	Rock	18	23	1.36	66	0.099	1	1.85	0.031	0.72	0.2	<0.01	2.4	0.6	0.72	4	<0.5	<0.2
1620880	Rock	20	6	0.59	52	0.004	1	0.63	0.019	0.29	0.1	<0.01	1.7	0.1	0.52	2	<0.5	<0.2

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	Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1620881	Rock	2.44	0.4	26.9	35.5	173	0.2	19.4	10.8	433	3.19	38.8	<0.5	9.8	23	1.3	0.6	0.3	3	0.33	0.033
1620882	Rock	2.40	0.8	79.7	26.4	77	0.2	22.1	12.7	440	3.23	6.1	<0.5	9.3	16	<0.1	0.2	0.5	7	0.35	0.040
1620883	Rock	2.21	0.3	23.3	20.2	54	0.2	12.7	8.5	414	2.43	23.4	<0.5	9.6	17	0.1	0.2	0.3	3	0.37	0.031
1620884	Rock	2.10	0.3	17.4	17.9	62	0.2	15.1	9.1	718	2.38	166.6	20.8	7.5	27	0.4	0.2	0.2	2	0.67	0.016
1620885	Rock	2.31	0.3	5.0	19.5	46	0.1	6.2	4.7	482	1.26	21.5	<0.5	9.5	22	0.2	0.1	<0.1	3	0.66	0.023
1620885a	Rock	0.27	<0.1	1.4	2.4	46	<0.1	3.6	4.1	552	1.87	0.9	<0.5	4.1	53	<0.1	<0.1	<0.1	34	0.47	0.075
1620886	Rock	2.30	0.8	19.1	20.3	38	0.2	17.3	9.8	495	2.88	44.9	<0.5	8.6	18	<0.1	0.2	0.3	3	0.46	0.034
1620887	Rock	2.87	0.5	22.6	42.8	60	0.1	14.6	8.2	263	2.27	5.4	<0.5	9.8	12	0.1	0.1	0.2	4	0.26	0.026
1620888	Rock	2.10	0.8	29.7	1424	54	2.6	12.8	7.1	566	1.89	<0.5	<0.5	4.5	49	0.4	0.4	4.2	9	2.06	0.030
1620889	Rock	2.31	1.6	43.5	14.8	63	<0.1	17.6	12.8	306	2.52	0.5	<0.5	6.4	33	0.2	0.2	0.2	9	0.95	0.048
1620890	Rock	2.34	0.8	43.1	50.4	66	0.2	25.8	15.2	491	3.17	0.5	<0.5	9.2	48	0.1	0.2	0.6	14	1.47	0.040
1620891	Rock	2.36	2.2	36.2	211.0	102	0.6	24.4	11.5	777	3.05	0.6	<0.5	7.2	95	0.4	0.1	1.2	17	2.63	0.048
1620892	Rock	2.45	0.7	112.5	26.0	40	0.2	27.1	14.1	615	2.87	0.8	<0.5	6.0	48	0.1	0.1	0.3	5	1.20	0.028
1620893	Rock	2.33	0.5	34.7	12.0	48	<0.1	11.8	7.2	230	1.50	<0.5	<0.5	7.9	20	<0.1	0.9	0.1	5	0.56	0.020
1620894	Rock	2.16	0.6	13.8	121.6	30	0.3	11.2	6.0	196	1.47	0.5	<0.5	9.4	19	0.1	0.2	0.5	8	0.50	0.018
1620895	Rock	2.37	0.7	27.3	45.5	55	0.2	19.4	9.5	490	2.41	1.8	4.4	11.2	20	<0.1	0.1	0.5	10	0.49	0.038
1620896	Rock	3.70	0.1	10.0	29.5	65	<0.1	9.5	6.0	345	1.58	4.1	0.9	9.1	46	0.1	0.2	0.3	11	1.77	0.020
1620897	Rock	2.16	0.8	30.8	40.0	72	0.1	21.4	11.5	428	2.89	11.2	16.8	10.2	85	0.2	0.2	0.6	6	0.86	0.026
1620898	Rock	2.71	9.1	41.7	11.0	53	<0.1	28.5	13.9	314	3.17	<0.5	7.5	11.2	33	<0.1	0.2	0.7	9	0.38	0.028
1620899	Rock	2.13	0.4	15.0	22.8	46	<0.1	12.2	7.0	279	1.77	7.5	3.1	15.1	21	<0.1	0.1	0.3	10	0.36	0.019
1620900	Rock	2.04	0.5	28.2	14.4	57	<0.1	18.7	10.9	305	2.33	5.8	4.4	11.4	17	<0.1	0.2	0.4	9	0.21	0.024
1620901	Rock	2.25	1.4	32.3	19.2	71	<0.1	21.1	12.2	252	2.67	0.8	1.7	13.7	17	<0.1	0.2	0.6	11	0.22	0.028
1620902	Rock	2.15	0.4	16.7	46.3	71	0.1	13.6	7.8	311	2.05	3.8	4.7	9.6	22	0.1	0.2	0.3	8	0.35	0.018
1620903	Rock	2.33	1.0	23.3	21.5	67	<0.1	18.3	9.2	351	2.31	1.6	2.2	11.8	36	<0.1	0.2	0.5	14	0.89	0.023
1620904	Rock	2.24	7.3	42.2	14.1	93	<0.1	32.1	14.9	384	3.64	<0.5	6.1	10.3	26	0.1	0.2	0.9	11	0.35	0.035
1620905	Rock	2.91	1.0	36.0	27.6	92	<0.1	27.0	13.5	388	3.54	<0.5	1.7	11.4	24	<0.1	0.2	0.9	14	0.28	0.023
1620905a	Rock	0.25	0.1	2.6	2.7	44	<0.1	3.9	3.9	526	1.77	<0.5	2.4	5.3	55	<0.1	<0.1	<0.1	32	0.48	0.075
1620906	Rock	2.34	0.2	45.0	28.1	112	<0.1	29.5	13.6	308	3.87	<0.5	2.1	14.6	18	0.1	0.3	1.0	15	0.21	0.038
1620907	Rock	2.49	0.4	40.4	23.5	81	<0.1	26.7	14.0	262	3.60	<0.5	2.5	15.5	22	<0.1	0.3	0.9	13	0.21	0.030
1620908	Rock	2.09	0.7	35.9	27.0	95	<0.1	28.8	14.3	289	3.66	<0.5	2.6	14.4	21	0.1	0.3	0.8	15	0.23	0.035

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Client: **PJX Resources Inc.**
5600 - 100 King Street West
Toronto ON M5X 1C9 Canada

Project: EDDY
Report Date: January 09, 2013

CERTIFICATE OF ANALYSIS VAN12005644.1

	Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1620881	Rock	21	5	0.56	48	<0.001	2	0.39	0.021	0.29	0.1	<0.01	1.9	<0.1	0.32	<1	<0.5	<0.2
1620882	Rock	14	8	0.59	48	0.002	<1	0.88	0.022	0.26	<0.1	<0.01	1.7	0.1	0.34	2	<0.5	<0.2
1620883	Rock	20	9	0.40	39	<0.001	<1	0.33	0.015	0.21	<0.1	<0.01	1.1	<0.1	0.08	<1	<0.5	<0.2
1620884	Rock	10	2	0.18	36	<0.001	2	0.31	0.016	0.23	0.2	<0.01	1.9	<0.1	0.88	<1	<0.5	<0.2
1620885	Rock	20	11	0.28	39	0.002	1	0.34	0.014	0.21	<0.1	<0.01	1.1	<0.1	0.09	<1	<0.5	<0.2
1620885a	Rock	8	6	0.56	227	0.119	<1	0.99	0.091	0.48	<0.1	<0.01	2.3	0.3	<0.05	5	<0.5	<0.2
1620886	Rock	15	6	0.52	41	<0.001	1	0.32	0.013	0.24	0.1	<0.01	1.5	<0.1	0.34	<1	<0.5	<0.2
1620887	Rock	23	5	0.47	58	0.002	<1	0.60	0.018	0.30	8.3	<0.01	1.5	0.1	0.28	1	<0.5	<0.2
1620888	Rock	11	17	0.93	50	0.040	<1	1.15	0.015	0.46	0.1	<0.01	1.3	0.3	0.40	4	<0.5	<0.2
1620889	Rock	14	10	0.89	64	0.030	<1	1.37	0.009	0.60	0.1	<0.01	1.7	0.4	0.65	3	0.5	<0.2
1620890	Rock	18	18	1.13	52	0.033	<1	1.60	0.021	0.47	0.2	<0.01	1.9	0.3	0.77	4	<0.5	<0.2
1620891	Rock	11	16	1.08	55	0.030	<1	1.47	0.031	0.47	0.3	<0.01	2.6	0.3	0.57	3	<0.5	0.2
1620892	Rock	9	9	0.62	46	0.010	<1	0.67	0.014	0.29	7.7	<0.01	1.2	0.2	1.02	2	<0.5	<0.2
1620893	Rock	18	7	0.27	45	0.018	1	0.54	0.022	0.23	0.1	<0.01	1.1	0.1	0.39	2	<0.5	<0.2
1620894	Rock	19	21	0.29	42	0.028	<1	0.67	0.025	0.22	0.2	<0.01	1.6	0.1	0.22	2	<0.5	0.4
1620895	Rock	21	11	0.51	54	0.032	1	1.18	0.028	0.41	0.1	<0.01	1.8	0.2	0.27	3	<0.5	<0.2
1620896	Rock	23	17	0.49	71	0.073	<1	1.01	0.042	0.42	0.1	<0.01	1.9	0.3	0.09	3	<0.5	<0.2
1620897	Rock	16	5	0.47	67	0.002	<1	0.73	0.020	0.35	0.1	<0.01	1.9	0.1	0.79	1	<0.5	0.4
1620898	Rock	14	11	0.46	65	0.017	<1	1.11	0.026	0.35	0.1	<0.01	1.6	0.3	0.96	3	<0.5	<0.2
1620899	Rock	33	11	0.27	71	0.036	<1	0.71	0.033	0.36	0.1	<0.01	1.7	0.2	0.20	2	<0.5	<0.2
1620900	Rock	17	10	0.37	60	0.030	<1	0.77	0.020	0.37	0.2	<0.01	1.5	0.2	0.44	2	<0.5	<0.2
1620901	Rock	20	11	0.41	74	0.047	<1	1.12	0.025	0.51	0.1	<0.01	1.7	0.4	0.54	3	<0.5	<0.2
1620902	Rock	16	14	0.33	52	0.020	<1	0.67	0.026	0.27	0.1	<0.01	1.4	0.1	0.42	2	<0.5	<0.2
1620903	Rock	23	15	0.44	75	0.059	<1	1.20	0.057	0.47	0.1	<0.01	2.3	0.3	0.43	3	<0.5	<0.2
1620904	Rock	14	13	0.62	67	0.022	<1	1.40	0.024	0.46	0.2	<0.01	2.1	0.3	0.86	4	<0.5	<0.2
1620905	Rock	18	14	0.63	85	0.029	<1	1.57	0.034	0.56	0.1	<0.01	2.2	0.3	0.81	4	<0.5	<0.2
1620905a	Rock	8	9	0.58	219	0.114	<1	0.95	0.073	0.47	<0.1	<0.01	2.3	0.3	<0.05	5	<0.5	<0.2
1620906	Rock	25	15	0.65	95	0.031	<1	1.85	0.046	0.63	0.2	<0.01	3.0	0.3	0.94	5	<0.5	<0.2
1620907	Rock	33	13	0.60	68	0.030	<1	1.56	0.035	0.48	0.1	<0.01	2.0	0.3	0.91	4	<0.5	<0.2
1620908	Rock	30	15	0.64	94	0.040	<1	1.75	0.044	0.65	0.2	<0.01	2.7	0.4	0.94	4	<0.5	<0.2

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Project: EDDY
Report Date: January 09, 2013

CERTIFICATE OF ANALYSIS VAN12005644.1

	Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1620909	Rock	2.35	1.2	37.6	34.8	98	<0.1	28.5	14.1	282	3.55	<0.5	3.5	14.3	18	<0.1	0.2	0.8	16	0.36	0.076
1620910	Rock	2.55	0.6	27.7	18.2	80	<0.1	21.4	11.0	288	2.85	1.2	1.9	13.3	12	<0.1	0.2	0.4	18	0.27	0.044
1620911	Rock	2.01	0.4	20.1	18.4	70	<0.1	17.8	9.3	313	2.46	1.9	2.2	12.2	14	<0.1	0.2	0.4	20	0.46	0.025
1620912	Rock	2.20	0.4	33.0	22.2	72	<0.1	23.4	12.3	293	3.11	<0.5	1.9	14.5	10	<0.1	0.3	0.6	17	0.28	0.031
1620913	Rock	2.42	0.6	22.9	17.8	79	<0.1	18.6	10.7	277	2.70	1.2	2.3	13.5	10	<0.1	0.2	0.4	14	0.20	0.029
1620914	Rock	2.33	0.3	16.8	18.6	73	<0.1	14.6	8.2	542	2.17	1.8	0.9	11.4	24	<0.1	0.2	0.3	18	1.12	0.027
1620915	Rock	2.45	0.4	28.4	14.6	81	<0.1	20.6	10.5	263	2.80	0.6	0.7	13.8	9	<0.1	0.2	0.5	16	0.17	0.032
1620916	Rock	2.18	0.2	20.0	20.8	60	<0.1	13.3	7.3	264	2.09	1.0	1.4	11.3	14	<0.1	0.1	0.3	15	0.33	0.020
1620917	Rock	2.33	<0.1	30.9	19.9	29	<0.1	4.0	2.8	985	1.20	<0.5	2.0	0.9	277	<0.1	<0.1	0.1	8	5.79	0.006
1620918	Rock	2.24	0.2	99.8	138.2	142	0.2	16.2	11.6	908	3.87	0.6	1.2	7.5	141	0.2	0.2	1.1	19	3.33	0.019
1620919	Rock	2.15	0.2	15.5	10.6	48	<0.1	12.2	7.8	357	1.94	3.9	1.2	8.5	30	<0.1	0.2	0.2	12	0.83	0.019
1620920	Rock	2.32	0.2	30.9	45.3	74	<0.1	9.8	6.6	338	1.93	2.7	1.3	8.0	29	0.1	0.1	0.3	11	0.69	0.013
1620921	Rock	2.62	0.2	11.3	20.1	49	<0.1	10.7	5.6	296	1.50	1.5	0.8	13.2	26	<0.1	1.1	0.2	12	0.86	0.019
1620922	Rock	2.42	0.8	26.3	15.9	69	<0.1	20.6	10.6	294	2.71	0.5	1.2	16.7	16	<0.1	0.3	0.4	17	0.41	0.027
1620923	Rock	2.10	10.5	43.5	33.0	92	<0.1	33.3	15.0	376	3.64	<0.5	1.3	16.1	17	0.2	0.4	0.9	16	0.47	0.041
1620924	Rock	2.17	5.9	22.7	24.6	63	<0.1	16.7	8.6	237	2.13	<0.5	0.9	11.7	10	0.1	0.1	0.4	15	0.19	0.025
1620925	Rock	1.52	0.7	18.3	16.3	26	<0.1	21.4	11.1	294	1.96	14.6	5.2	13.6	18	<0.1	0.3	0.4	8	0.23	0.029
1620925a	Rock	0.29	0.1	1.8	3.1	47	<0.1	4.0	4.4	616	1.95	<0.5	2.1	5.4	72	<0.1	<0.1	<0.1	37	0.64	0.077

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Project: EDDY
Report Date: January 09, 2013

CERTIFICATE OF ANALYSIS VAN12005644.1

	Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1620909	Rock	31	15	0.61	78	0.052	<1	1.56	0.040	0.59	0.1	<0.01	2.5	0.4	0.82	4	<0.5	<0.2
1620910	Rock	29	17	0.60	103	0.107	<1	1.54	0.036	0.81	0.2	<0.01	2.5	0.6	0.33	4	<0.5	<0.2
1620911	Rock	27	23	0.52	99	0.104	<1	1.32	0.047	0.67	0.1	<0.01	2.4	0.6	0.22	4	<0.5	<0.2
1620912	Rock	31	15	0.61	96	0.106	<1	1.56	0.027	0.78	0.2	<0.01	2.4	0.6	0.50	4	<0.5	<0.2
1620913	Rock	36	16	0.60	88	0.100	<1	1.46	0.031	0.66	0.2	<0.01	2.2	0.5	0.29	4	<0.5	<0.2
1620914	Rock	32	18	0.53	110	0.110	<1	1.38	0.060	0.75	0.1	<0.01	2.8	0.5	0.12	5	<0.5	<0.2
1620915	Rock	37	16	0.63	101	0.110	<1	1.56	0.023	0.84	0.2	<0.01	2.3	0.6	0.26	5	<0.5	<0.2
1620916	Rock	31	14	0.45	97	0.125	<1	1.19	0.035	0.76	0.1	<0.01	2.5	0.5	0.11	3	<0.5	<0.2
1620917	Rock	2	9	0.25	17	0.026	<1	0.45	0.009	0.19	<0.1	<0.01	1.5	0.2	0.14	2	<0.5	<0.2
1620918	Rock	20	9	0.80	86	0.097	<1	1.95	0.038	0.82	<0.1	<0.01	2.6	0.4	0.46	6	<0.5	<0.2
1620919	Rock	25	18	0.41	89	0.110	<1	1.06	0.021	0.72	0.1	<0.01	1.6	0.5	0.08	3	<0.5	<0.2
1620920	Rock	20	8	0.40	62	0.074	<1	0.97	0.052	0.46	<0.1	<0.01	1.8	0.3	0.22	3	<0.5	<0.2
1620921	Rock	34	20	0.32	78	0.108	<1	0.86	0.031	0.48	0.1	<0.01	1.8	0.2	0.09	2	<0.5	<0.2
1620922	Rock	41	17	0.56	94	0.122	<1	1.37	0.030	0.74	0.1	<0.01	2.6	0.5	0.44	4	<0.5	<0.2
1620923	Rock	33	14	0.69	97	0.095	<1	1.58	0.013	0.75	0.1	<0.01	2.1	0.5	1.01	4	<0.5	<0.2
1620924	Rock	31	15	0.43	97	0.112	<1	1.10	0.043	0.62	0.1	<0.01	2.3	0.4	0.35	3	<0.5	<0.2
1620925	Rock	29	10	0.23	84	0.014	1	0.78	0.015	0.46	<0.1	<0.01	1.7	0.2	0.52	2	<0.5	0.3
1620925a	Rock	11	6	0.61	239	0.133	<1	1.11	0.110	0.53	<0.1	<0.01	2.9	0.3	<0.05	5	<0.5	<0.2

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QUALITY CONTROL REPORT VAN12005644.1

	Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
REP G1	QC		<0.1	4.0	4.2	50	<0.1	3.7	4.3	577	1.88	<0.5	0.9	4.4	48	<0.1	<0.1	<0.1	35	0.42	0.085
1620801	Rock	2.12	1.3	34.8	276.4	94	0.5	19.6	14.1	307	2.92	18.2	4.2	12.1	39	0.9	0.3	1.3	13	0.63	0.027
REP 1620801	QC		1.5	34.9	281.2	95	0.4	21.0	14.8	314	2.90	18.0	3.6	12.1	39	0.8	0.3	1.3	13	0.63	0.029
1620814	Rock	2.42	0.7	22.6	8.5	59	<0.1	16.6	9.1	333	2.36	6.6	5.1	8.0	35	<0.1	0.4	0.2	5	0.49	0.027
REP 1620814	QC		0.7	23.7	8.6	60	<0.1	17.6	9.5	346	2.44	7.2	5.4	8.5	36	<0.1	0.4	0.2	6	0.51	0.028
1620829	Rock	0.89	0.4	3.3	3.3	6	<0.1	14.7	7.2	291	1.19	40.8	2.8	10.0	33	<0.1	<0.1	<0.1	<2	0.49	0.019
REP 1620829	QC		0.3	3.7	3.0	6	<0.1	15.6	7.1	290	1.19	40.7	0.5	10.1	33	<0.1	<0.1	<0.1	<2	0.48	0.019
1620847	Rock	2.44	4.8	76.0	74.9	105	0.4	26.5	12.2	305	3.01	1165	10.9	8.9	72	0.7	0.5	0.1	2	0.81	0.040
REP 1620847	QC		4.9	80.2	81.9	113	0.4	26.8	13.0	307	3.00	1163	18.4	9.3	77	0.7	0.5	0.1	2	0.81	0.043
1620863	Rock	2.34	0.3	15.4	303.2	371	0.6	7.0	4.4	532	1.62	51.7	12.9	9.0	58	2.8	0.4	0.2	2	0.85	0.018
REP 1620863	QC		0.3	15.4	295.7	376	0.6	7.6	4.3	531	1.58	53.0	13.4	8.7	57	2.5	0.4	0.2	<2	0.83	0.018
1620881	Rock	2.44	0.4	26.9	35.5	173	0.2	19.4	10.8	433	3.19	38.8	<0.5	9.8	23	1.3	0.6	0.3	3	0.33	0.033
REP 1620881	QC		0.5	26.7	34.4	168	0.2	18.8	10.8	432	3.17	38.0	1.0	9.1	22	1.3	0.7	0.3	3	0.32	0.032
1620898	Rock	2.71	9.1	41.7	11.0	53	<0.1	28.5	13.9	314	3.17	<0.5	7.5	11.2	33	<0.1	0.2	0.7	9	0.38	0.028
REP 1620898	QC		10.1	42.4	11.4	56	<0.1	29.2	14.6	322	3.17	0.6	3.7	11.7	33	<0.1	0.3	0.7	9	0.37	0.030
1620920	Rock	2.32	0.2	30.9	45.3	74	<0.1	9.8	6.6	338	1.93	2.7	1.3	8.0	29	0.1	0.1	0.3	11	0.69	0.013
REP 1620920	QC		0.2	34.2	47.5	79	<0.1	10.8	7.0	361	2.01	2.9	1.3	8.6	32	0.1	0.2	0.4	12	0.72	0.014
Core Reject Duplicates																					
1620799	Rock	2.27	0.4	21.1	4.4	77	<0.1	24.1	11.6	336	3.45	9.6	0.9	17.5	5	<0.1	0.2	0.2	18	0.16	0.033
DUP 1620799	QC	<0.01	0.5	18.5	4.4	74	<0.1	22.6	11.8	337	3.40	15.2	1.1	17.7	5	<0.1	0.3	0.2	17	0.16	0.035
1620831	Rock	2.19	0.4	3.8	8.5	18	<0.1	13.5	9.0	278	1.32	33.7	2.7	11.4	21	<0.1	<0.1	<0.1	3	0.34	0.018
DUP 1620831	QC	<0.01	0.4	3.7	8.2	18	<0.1	15.0	9.0	275	1.30	34.7	<0.5	11.6	21	<0.1	0.1	<0.1	3	0.33	0.017
1620864	Rock	1.24	0.4	100.6	32.5	2669	0.5	11.5	6.3	188	1.07	201.8	3.4	8.3	19	20.1	0.3	<0.1	<2	0.31	0.015
DUP 1620864	QC	<0.01	0.6	78.3	23.8	1947	0.4	11.9	7.4	195	1.00	190.6	4.6	9.9	20	12.7	0.2	<0.1	<2	0.34	0.017
1620896	Rock	3.70	0.1	10.0	29.5	65	<0.1	9.5	6.0	345	1.58	4.1	0.9	9.1	46	0.1	0.2	0.3	11	1.77	0.020
DUP 1620896	QC	<0.01	0.2	10.0	29.9	66	<0.1	9.6	5.9	359	1.54	3.5	2.6	8.9	49	0.2	0.2	0.3	10	1.82	0.020
Reference Materials																					
STD DS9	Standard		12.9	104.6	108.5	310	1.9	40.5	7.7	597	2.32	25.8	117.5	5.7	62	2.2	4.7	5.7	40	0.72	0.084

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Client: **PJX Resources Inc.**
5600 - 100 King Street West
Toronto ON M5X 1C9 Canada

Project: EDDY
Report Date: January 09, 2013

QUALITY CONTROL REPORT VAN12005644.1

Method		1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
REP G1	QC	7	11	0.59	232	0.118	<1	1.00	0.096	0.52	<0.1	<0.01	2.5	0.3	<0.05	5	<0.5	<0.2
1620801	Rock	17	16	0.67	61	0.029	1	1.15	0.035	0.39	0.2	<0.01	2.9	0.3	0.78	3	<0.5	0.4
REP 1620801	QC	18	16	0.68	60	0.031	2	1.18	0.037	0.39	0.2	<0.01	2.7	0.3	0.77	3	<0.5	0.6
1620814	Rock	14	8	0.53	54	0.003	<1	0.66	0.020	0.26	<0.1	<0.01	1.5	0.1	0.43	2	<0.5	<0.2
REP 1620814	QC	14	8	0.55	56	0.005	1	0.70	0.021	0.27	<0.1	<0.01	1.5	<0.1	0.44	2	<0.5	<0.2
1620829	Rock	22	8	0.22	33	<0.001	2	0.31	0.022	0.18	0.2	<0.01	1.7	<0.1	0.14	<1	<0.5	<0.2
REP 1620829	QC	21	8	0.21	33	<0.001	1	0.30	0.022	0.18	0.2	<0.01	1.7	<0.1	0.14	<1	<0.5	<0.2
1620847	Rock	14	3	0.62	57	0.002	1	0.40	0.015	0.33	0.2	<0.01	1.7	0.1	0.86	<1	<0.5	<0.2
REP 1620847	QC	16	3	0.63	59	0.002	1	0.42	0.015	0.33	0.2	<0.01	1.6	0.1	0.86	1	<0.5	<0.2
1620863	Rock	16	2	0.37	32	<0.001	<1	0.27	0.021	0.17	0.1	<0.01	1.9	<0.1	0.24	<1	<0.5	<0.2
REP 1620863	QC	15	2	0.37	32	<0.001	2	0.28	0.021	0.17	0.1	<0.01	2.1	<0.1	0.24	<1	<0.5	<0.2
1620881	Rock	21	5	0.56	48	<0.001	2	0.39	0.021	0.29	0.1	<0.01	1.9	<0.1	0.32	<1	<0.5	<0.2
REP 1620881	QC	19	5	0.55	45	<0.001	1	0.35	0.020	0.27	0.1	<0.01	1.7	<0.1	0.32	<1	<0.5	<0.2
1620898	Rock	14	11	0.46	65	0.017	<1	1.11	0.026	0.35	0.1	<0.01	1.6	0.3	0.96	3	<0.5	<0.2
REP 1620898	QC	15	11	0.47	66	0.016	<1	1.16	0.029	0.37	0.1	<0.01	1.7	0.2	0.95	3	<0.5	<0.2
1620920	Rock	20	8	0.40	62	0.074	<1	0.97	0.052	0.46	<0.1	<0.01	1.8	0.3	0.22	3	<0.5	<0.2
REP 1620920	QC	22	9	0.42	69	0.082	<1	1.06	0.062	0.49	0.1	<0.01	2.0	0.3	0.23	3	<0.5	<0.2
Core Reject Duplicates																		
1620799	Rock	41	18	1.03	89	0.127	<1	1.86	0.017	0.80	0.2	<0.01	2.8	0.8	0.30	5	<0.5	<0.2
DUP 1620799	QC	40	17	1.02	89	0.122	1	1.85	0.015	0.79	0.1	<0.01	2.7	0.8	0.30	5	<0.5	<0.2
1620831	Rock	22	13	0.23	40	0.002	1	0.37	0.022	0.22	0.1	<0.01	1.6	<0.1	0.18	<1	<0.5	<0.2
DUP 1620831	QC	22	12	0.23	36	0.003	<1	0.35	0.019	0.20	0.1	<0.01	1.5	<0.1	0.18	1	<0.5	<0.2
1620864	Rock	15	10	0.17	30	<0.001	1	0.27	0.019	0.17	<0.1	0.03	1.0	<0.1	0.33	<1	<0.5	<0.2
DUP 1620864	QC	18	9	0.17	36	<0.001	<1	0.26	0.018	0.18	0.1	0.03	1.1	<0.1	0.26	<1	<0.5	<0.2
1620896	Rock	23	17	0.49	71	0.073	<1	1.01	0.042	0.42	0.1	<0.01	1.9	0.3	0.09	3	<0.5	<0.2
DUP 1620896	QC	22	17	0.48	64	0.071	<1	0.96	0.029	0.37	0.1	<0.01	1.6	0.3	0.08	3	<0.5	<0.2
Reference Materials																		
STD DS9	Standard	13	122	0.62	318	0.117	2	0.96	0.086	0.39	3.2	0.21	2.4	5.6	0.16	4	5.6	5.0

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5600 - 100 King Street West
Toronto ON M5X 1C9 Canada

Project: EDDY
Report Date: January 09, 2013

QUALITY CONTROL REPORT VAN12005644.1

		WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD DS9	Standard		11.9	110.2	125.6	314	1.8	41.2	7.6	582	2.38	25.5	124.3	6.0	65	2.3	5.4	6.4	39	0.70	0.085
STD DS9	Standard		11.4	107.9	127.5	307	1.8	39.7	7.4	555	2.35	24.3	111.7	6.3	71	2.5	5.1	6.6	41	0.74	0.082
STD DS9	Standard		12.9	106.7	123.1	303	1.8	39.8	7.4	582	2.29	24.4	111.2	6.6	69	2.2	5.3	6.5	39	0.72	0.080
STD DS9	Standard		10.8	101.0	134.8	300	1.9	37.7	7.3	567	2.28	25.7	105.7	7.1	75	2.3	5.8	7.5	39	0.68	0.081
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
Prep Wash																					
G1	Prep Blank	<0.01	<0.1	3.4	4.3	49	<0.1	3.7	4.3	543	1.85	<0.5	2.3	4.5	48	<0.1	<0.1	<0.1	34	0.41	0.081
G1	Prep Blank	<0.01																			
G1	Prep Blank		<0.1	3.8	3.8	47	<0.1	3.9	4.4	547	1.86	<0.5	1.5	4.3	48	<0.1	<0.1	<0.1	34	0.42	0.080

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Project: EDDY
Report Date: January 09, 2013

QUALITY CONTROL REPORT VAN12005644.1

		1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS9	Standard	11	120	0.62	297	0.104	2	0.92	0.079	0.40	3.1	0.20	2.2	5.4	0.17	4	4.6	4.9
STD DS9	Standard	14	116	0.61	298	0.115	2	0.94	0.086	0.40	2.9	0.21	2.4	5.3	0.15	4	4.5	5.5
STD DS9	Standard	14	120	0.61	302	0.121	1	0.97	0.085	0.40	3.1	0.21	2.7	5.4	0.15	5	5.1	4.9
STD DS9	Standard	13	111	0.60	297	0.107	3	0.91	0.080	0.38	3.0	0.22	2.5	5.2	0.16	4	5.3	5.0
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																		
G1	Prep Blank	7	10	0.57	225	0.116	<1	0.96	0.088	0.49	<0.1	<0.01	2.3	0.3	<0.05	5	<0.5	<0.2
G1	Prep Blank																	
G1	Prep Blank	7	11	0.58	226	0.111	<1	0.94	0.078	0.49	<0.1	<0.01	2.4	0.3	<0.05	5	<0.5	<0.2

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Client: **PJX Resources Inc.**
5600 - 100 King Street West
Toronto ON M5X 1C9 Canada

Submitted By:	Linda Brennan
Receiving Lab:	Canada-Vancouver
Received:	November 26, 2012
Report Date:	December 14, 2012
Page:	1 of 4

CERTIFICATE OF ANALYSIS VAN12005645.1

CLIENT JOB INFORMATION

Project:	EDDY
Shipment ID:	
P.O. Number	
Number of Samples:	59

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	58	Crush, split and pulverize 250 g rock to 200 mesh			VAN
1DX3	58	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN

SAMPLE DISPOSAL

DISP-PLP	Dispose of Pulp After 90 days
DISP-RJT	Dispose of Reject After 90 days

ADDITIONAL COMMENTS

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

Invoice To: PJX Resources Inc.
5600 - 100 King Street West
Toronto ON M5X 1C9
Canada

CC: John Keating
Michael Seabrook

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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Client: **PJX Resources Inc.**
5600 - 100 King Street West
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Project: EDDY
Report Date: December 14, 2012

CERTIFICATE OF ANALYSIS VAN12005645.1

	Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
G1	Prep Blank	<0.01	<0.1	3.7	2.9	51	<0.1	4.1	4.6	591	1.99	<0.5	2.6	5.0	67	<0.1	<0.1	<0.1	36	0.48	0.084
G1	Prep Blank	<0.01	<0.1	3.3	2.4	44	<0.1	3.6	4.2	544	1.93	<0.5	1.1	4.5	55	<0.1	<0.1	<0.1	35	0.44	0.073
1620926	Rock	2.25	0.3	19.6	8.6	31	<0.1	15.2	7.3	311	2.03	4.6	1.2	11.9	32	<0.1	0.1	0.2	7	0.45	0.027
1620927	Rock	2.16	0.3	15.8	9.2	51	<0.1	15.7	9.6	228	2.21	5.8	<0.5	13.3	10	<0.1	0.1	0.3	12	0.15	0.024
1620928	Rock	2.24	0.2	19.0	17.6	42	<0.1	14.0	9.1	335	2.06	4.9	<0.5	13.5	21	<0.1	0.1	0.3	11	0.78	0.019
1620929	Rock	2.28	<0.1	8.2	10.2	16	<0.1	3.7	2.5	284	0.92	0.5	0.7	7.2	25	<0.1	0.1	0.2	5	1.03	0.029
1620930	Rock	2.02	0.1	7.0	12.4	21	<0.1	6.9	4.4	213	1.27	1.3	<0.5	17.7	16	<0.1	0.2	0.2	9	0.56	0.015
1620931	Rock	2.36	0.4	31.0	57.0	57	<0.1	16.0	9.6	393	2.23	6.2	6.6	9.9	28	0.2	0.3	0.3	5	0.77	0.027
1620932	Rock	3.12	0.4	35.9	62.1	113	0.2	17.7	10.9	176	2.32	3.3	1.0	10.7	17	0.1	0.1	0.7	6	0.23	0.025
1620933	Rock	2.38	2.0	31.6	15.4	59	<0.1	22.1	12.0	310	2.90	1.1	<0.5	12.0	14	<0.1	0.3	0.4	16	0.60	0.053
1620934	Rock	2.28	0.7	43.4	12.0	89	<0.1	31.6	15.7	347	3.76	<0.5	<0.5	16.5	11	0.1	0.6	0.7	13	0.35	0.044
1620935	Rock	2.99	4.6	39.9	22.5	89	<0.1	30.3	13.7	350	3.58	0.9	<0.5	13.8	14	0.2	0.4	0.7	12	0.64	0.043
1620936	Rock	2.29	8.0	42.1	22.4	84	<0.1	29.0	14.9	322	3.30	118.8	0.7	12.1	16	0.1	0.4	0.6	14	0.59	0.043
1620937	Rock	2.52	0.3	26.1	16.0	60	<0.1	19.1	10.4	288	2.47	3.8	1.5	11.1	20	<0.1	0.1	0.3	11	0.28	0.021
1620938	Rock	2.21	0.3	20.1	17.6	48	<0.1	14.6	9.3	192	2.16	1.7	<0.5	11.1	12	<0.1	0.3	0.4	11	0.31	0.021
1620939	Rock	2.05	0.2	11.4	23.7	85	<0.1	10.5	5.8	404	1.70	2.3	<0.5	9.1	41	0.2	0.1	0.3	12	1.92	0.017
1620940	Rock	2.50	0.5	42.8	12.7	64	<0.1	32.3	17.1	271	3.99	0.5	<0.5	16.2	10	<0.1	0.5	0.8	16	0.17	0.038
1620941	Rock	2.81	1.3	39.1	6.7	61	<0.1	28.9	15.2	290	3.85	0.6	<0.5	15.5	6	<0.1	0.4	0.9	14	0.15	0.038
1620942	Rock	2.18	1.8	41.2	14.8	69	<0.1	28.3	14.1	306	3.77	8.0	<0.5	14.4	11	<0.1	0.4	1.0	11	0.32	0.038
1620943	Rock	2.32	0.7	44.2	14.0	82	<0.1	31.3	16.0	287	3.97	<0.5	0.5	15.3	8	<0.1	0.5	0.9	13	0.21	0.034
1620944	Rock	2.59	1.0	41.9	26.2	78	<0.1	28.1	15.0	395	3.75	<0.5	<0.5	14.2	22	0.2	0.4	0.9	12	0.80	0.036
1620945	Rock	2.54	0.1	12.5	54.0	52	<0.1	10.8	6.6	320	1.82	1.9	1.0	10.2	37	<0.1	0.1	0.2	9	0.61	0.021
1620945a	Rock	0.26	<0.1	3.0	2.7	46	<0.1	3.7	4.2	578	1.92	<0.5	<0.5	4.8	61	<0.1	<0.1	<0.1	35	0.56	0.078
1620946	Rock	2.70	0.4	20.7	13.1	61	<0.1	16.5	10.3	285	2.39	8.4	<0.5	13.7	10	<0.1	0.2	0.3	13	0.28	0.025
1620947	Rock	2.14	0.2	12.3	8.3	22	<0.1	7.7	4.1	217	1.38	2.7	<0.5	11.9	24	<0.1	<0.1	0.2	9	0.65	0.014
1620948	Rock	2.40	0.2	10.3	8.4	23	<0.1	8.8	4.9	219	1.64	2.3	<0.5	12.4	15	<0.1	0.1	0.2	12	0.68	0.017
1620949	Rock	2.58	0.4	13.0	12.4	27	0.3	11.6	6.6	290	1.72	4.4	33.5	11.1	18	<0.1	0.1	0.2	6	0.66	0.017
1620950	Rock	1.89	8.5	35.8	18.4	51	<0.1	26.5	15.7	473	3.41	7.3	1.5	10.5	16	<0.1	0.4	0.3	19	0.49	0.044
1620951	Rock	2.14	5.2	39.8	16.1	52	<0.1	20.9	10.7	300	2.56	1.0	1.0	12.5	15	<0.1	0.6	0.6	9	0.46	0.036
1620952	Rock	1.24	1.2	7.6	8.8	45	<0.1	16.5	6.8	365	2.15	5.9	<0.5	14.2	17	<0.1	0.6	0.1	13	0.48	0.025

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5600 - 100 King Street West
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Project: EDDY
Report Date: December 14, 2012

CERTIFICATE OF ANALYSIS VAN12005645.1

	Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
G1	Prep Blank	10	9	0.58	247	0.124	<1	1.04	0.107	0.51	<0.1	<0.01	2.7	0.3	<0.05	5	<0.5	<0.2
G1	Prep Blank	9	8	0.56	223	0.107	<1	0.97	0.087	0.48	<0.1	<0.01	2.4	0.3	<0.05	5	<0.5	<0.2
1620926	Rock	26	11	0.31	71	0.041	<1	0.66	0.025	0.39	<0.1	<0.01	1.4	0.2	0.15	2	<0.5	<0.2
1620927	Rock	34	14	0.37	100	0.144	<1	1.03	0.022	0.77	<0.1	<0.01	1.6	0.6	0.12	3	0.7	<0.2
1620928	Rock	35	14	0.34	89	0.113	<1	0.97	0.029	0.62	<0.1	<0.01	1.7	0.4	0.14	3	<0.5	<0.2
1620929	Rock	18	7	0.16	37	0.058	<1	0.39	0.023	0.23	0.1	<0.01	1.0	0.1	0.07	1	<0.5	<0.2
1620930	Rock	42	17	0.20	66	0.130	<1	0.63	0.045	0.35	0.1	<0.01	1.8	0.2	0.06	2	0.7	<0.2
1620931	Rock	14	7	0.32	58	0.029	<1	0.59	0.017	0.33	0.1	<0.01	1.1	0.2	0.43	2	<0.5	0.2
1620932	Rock	20	10	0.27	57	0.038	<1	0.79	0.024	0.35	<0.1	<0.01	1.1	0.2	0.20	2	<0.5	<0.2
1620933	Rock	25	18	0.61	92	0.103	<1	1.29	0.043	0.55	0.2	<0.01	2.4	0.4	0.75	4	<0.5	<0.2
1620934	Rock	35	15	0.76	84	0.092	<1	1.68	0.036	0.59	0.3	<0.01	2.5	0.4	1.01	5	0.7	<0.2
1620935	Rock	30	16	0.76	70	0.097	<1	1.52	0.032	0.56	0.2	<0.01	2.1	0.4	0.90	4	0.8	<0.2
1620936	Rock	27	17	0.64	83	0.093	<1	1.39	0.043	0.58	0.2	<0.01	2.1	0.4	0.89	3	0.7	<0.2
1620937	Rock	26	12	0.47	76	0.087	<1	1.03	0.025	0.60	0.1	<0.01	1.6	0.4	0.32	3	<0.5	<0.2
1620938	Rock	29	14	0.36	64	0.086	<1	0.90	0.034	0.47	<0.1	<0.01	1.7	0.3	0.41	3	<0.5	<0.2
1620939	Rock	19	14	0.31	62	0.092	<1	0.85	0.035	0.43	0.1	<0.01	1.8	0.3	0.06	3	<0.5	<0.2
1620940	Rock	33	18	0.72	86	0.104	<1	1.68	0.034	0.74	0.2	<0.01	2.5	0.6	0.90	5	0.7	<0.2
1620941	Rock	30	16	0.72	72	0.080	<1	1.66	0.033	0.63	0.1	<0.01	2.0	0.4	0.85	4	0.6	<0.2
1620942	Rock	28	15	0.74	68	0.079	<1	1.58	0.036	0.48	0.1	<0.01	2.0	0.3	0.93	4	<0.5	<0.2
1620943	Rock	32	17	0.75	73	0.102	<1	1.55	0.023	0.66	0.2	<0.01	1.9	0.5	1.10	4	<0.5	<0.2
1620944	Rock	32	16	0.69	70	0.093	<1	1.49	0.028	0.60	0.1	<0.01	2.1	0.5	1.01	4	<0.5	<0.2
1620945	Rock	27	12	0.37	61	0.072	<1	0.84	0.029	0.43	0.1	<0.01	1.6	0.3	0.11	3	<0.5	<0.2
1620945a	Rock	10	7	0.58	225	0.123	<1	1.03	0.104	0.50	<0.1	<0.01	2.6	0.3	<0.05	5	<0.5	<0.2
1620946	Rock	33	15	0.53	85	0.127	<1	1.33	0.026	0.81	0.1	<0.01	2.0	0.6	0.15	4	<0.5	<0.2
1620947	Rock	27	12	0.26	48	0.066	<1	0.67	0.040	0.25	<0.1	<0.01	1.6	0.1	0.06	2	<0.5	<0.2
1620948	Rock	29	15	0.31	55	0.096	<1	0.82	0.035	0.39	0.1	<0.01	2.0	0.2	0.06	3	<0.5	<0.2
1620949	Rock	25	9	0.30	45	0.027	<1	0.78	0.031	0.24	<0.1	<0.01	1.4	0.1	0.15	2	0.6	0.4
1620950	Rock	19	21	1.08	41	0.023	<1	1.59	0.047	0.23	<0.1	<0.01	2.3	<0.1	0.63	6	<0.5	<0.2
1620951	Rock	16	13	0.70	52	0.035	<1	1.21	0.019	0.33	<0.1	<0.01	1.3	0.1	0.61	3	<0.5	<0.2
1620952	Rock	22	16	0.73	50	0.042	<1	1.30	0.023	0.28	<0.1	<0.01	1.7	<0.1	<0.05	4	<0.5	<0.2

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Project: EDDY
Report Date: December 14, 2012

CERTIFICATE OF ANALYSIS VAN12005645.1

	Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1620953	Rock	3.15	0.3	11.2	11.9	66	<0.1	12.5	5.9	259	1.87	2.3	<0.5	11.8	10	0.2	1.0	0.1	10	0.17	0.020
1620954	Rock	1.70	0.2	13.5	19.5	48	<0.1	13.8	6.2	333	2.34	1.5	6.8	11.0	19	<0.1	1.0	0.2	9	0.57	0.021
1620955	Rock	2.54	0.4	29.3	11.5	84	<0.1	20.6	11.1	404	2.86	2.6	2.6	14.1	35	0.2	0.4	0.4	13	0.92	0.026
1620956	Rock	2.21	0.4	7.1	8.1	131	<0.1	9.2	3.9	222	1.46	1.0	0.9	11.5	16	0.3	0.1	0.1	8	0.42	0.015
1620957	Rock	2.19	0.4	2.8	5.6	16	<0.1	6.3	2.8	158	1.23	0.6	<0.5	12.7	7	<0.1	<0.1	<0.1	10	0.19	0.017
1620958	Rock	2.56	0.3	17.3	9.4	74	<0.1	11.0	6.4	184	1.59	1.2	3.6	9.7	13	1.1	<0.1	0.2	9	0.31	0.021
1620959	Rock	2.12	0.4	111.1	6.0	25	<0.1	15.8	6.8	308	2.11	1.3	6.5	12.7	27	<0.1	0.2	0.2	11	0.62	0.021
1620960	Rock	2.56	0.4	23.7	21.7	49	<0.1	18.0	10.0	351	2.23	7.3	7.0	12.8	28	0.2	0.3	0.4	7	0.42	0.020
1620961	Rock	2.11	0.5	26.1	25.8	46	<0.1	16.0	9.1	244	1.93	1.7	6.2	12.3	21	0.1	0.2	0.4	8	0.29	0.020
1620962	Rock	2.21	0.3	29.4	5.3	35	<0.1	16.7	16.0	423	2.99	8.8	3.4	12.5	20	<0.1	0.1	0.3	11	0.76	0.020
1620963	Rock	2.34	3.8	14.1	10.6	29	<0.1	12.2	6.2	230	1.51	2.4	2.2	10.0	16	<0.1	0.1	0.3	7	0.44	0.018
1620964	Rock	3.04	8.9	39.0	13.6	38	<0.1	27.0	11.0	259	2.38	34.1	3.1	7.4	26	0.3	1.2	0.4	4	0.44	0.037
1620965	Rock	2.40	5.7	48.1	10.3	81	0.1	34.5	12.8	360	2.77	10.0	1.7	8.4	41	0.4	0.3	0.4	3	0.56	0.053
1620965a	Rock	0.25	<0.1	4.3	2.6	46	<0.1	3.5	4.3	527	1.86	<0.5	2.5	4.5	56	<0.1	<0.1	<0.1	35	0.43	0.075
1620966	Rock	2.37	9.5	42.2	15.7	91	<0.1	33.2	13.4	366	2.83	3.6	1.9	8.3	47	0.5	0.4	0.3	3	0.74	0.044
1620967	Rock	1.00	5.2	51.4	15.5	103	0.1	35.5	13.6	338	3.23	0.6	1.7	10.2	36	0.4	0.5	0.5	5	0.54	0.057
1620968	Rock	2.04	1.2	14.7	15.3	42	<0.1	8.9	5.5	273	1.59	1.5	1.1	7.8	20	0.1	0.2	0.2	9	0.54	0.015
1620969	Rock	2.04	0.2	18.2	18.9	65	<0.1	13.7	7.4	302	2.08	1.8	1.2	10.4	15	<0.1	0.2	0.4	11	0.46	0.039
1620970	Rock	2.19	0.6	19.9	40.2	133	<0.1	13.9	7.7	301	2.08	1.9	2.2	10.4	20	1.1	0.2	0.4	9	0.27	0.023
1620970a	Rock	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.	L.N.R.
1620971	Rock	2.60	1.9	25.3	16.7	53	0.1	14.6	8.1	274	2.29	28.4	4.7	11.5	27	0.2	0.3	0.3	5	0.59	0.021
1620972	Rock	2.72	5.5	35.8	10.6	73	0.1	29.6	12.8	335	3.01	3.5	0.9	9.9	30	0.2	0.3	0.6	7	0.48	0.041
1620973	Rock	1.90	2.3	39.0	12.4	83	0.1	29.4	13.1	283	3.09	<0.5	3.5	12.1	22	0.3	0.5	0.6	9	0.40	0.044
1620974	Rock	2.31	2.4	43.2	23.5	91	0.1	31.1	14.0	355	3.31	1.0	1.1	13.5	32	0.3	0.5	0.6	12	0.66	0.046
1620975	Rock	2.78	21.4	38.0	23.7	86	<0.1	31.8	12.1	397	2.93	2.1	1.1	11.5	34	0.4	0.5	0.4	11	0.93	0.061
1620976	Rock	2.08	8.5	28.7	22.4	87	<0.1	26.6	10.6	476	2.66	2.4	0.5	10.2	25	0.1	0.4	0.3	16	0.69	0.059
1620977	Rock	2.39	8.3	37.4	16.1	86	<0.1	31.6	11.2	383	2.70	1.7	1.0	9.7	15	0.3	0.5	0.3	14	0.45	0.058
1620978	Rock	2.69	8.5	42.7	20.3	97	<0.1	36.0	12.7	375	3.15	0.5	1.2	10.7	16	0.6	0.6	0.5	15	0.49	0.068
1620979	Rock	2.77	10.2	42.3	13.8	70	<0.1	31.6	12.6	266	3.10	<0.5	1.8	12.6	9	0.4	0.7	0.6	9	0.29	0.053
1620980	Rock	2.29	0.8	21.9	11.2	60	<0.1	18.3	9.9	273	2.41	5.1	<0.5	12.5	14	0.1	0.2	0.2	14	0.34	0.026

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Project: EDDY
Report Date: December 14, 2012

CERTIFICATE OF ANALYSIS VAN12005645.1

Method		1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1620953	Rock	25	15	0.57	43	0.014	<1	1.03	0.030	0.20	<0.1	<0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
1620954	Rock	21	12	0.56	44	0.004	<1	1.13	0.024	0.19	<0.1	<0.01	1.4	<0.1	0.20	4	<0.5	<0.2
1620955	Rock	25	16	0.63	61	0.036	<1	1.38	0.023	0.38	<0.1	<0.01	2.1	0.2	0.30	4	<0.5	<0.2
1620956	Rock	19	12	0.31	41	0.033	<1	0.69	0.037	0.21	<0.1	<0.01	1.7	<0.1	0.10	3	<0.5	<0.2
1620957	Rock	22	15	0.32	39	0.066	<1	0.68	0.046	0.19	<0.1	<0.01	1.8	<0.1	0.06	3	<0.5	<0.2
1620958	Rock	27	9	0.26	61	0.063	2	0.72	0.030	0.42	<0.1	<0.01	1.3	0.3	0.13	2	<0.5	<0.2
1620959	Rock	28	14	0.39	61	0.061	1	0.92	0.028	0.46	0.1	<0.01	1.8	0.3	0.18	3	<0.5	<0.2
1620960	Rock	20	8	0.34	71	0.042	2	0.81	0.016	0.49	0.1	<0.01	1.3	0.3	0.44	2	<0.5	0.2
1620961	Rock	29	9	0.28	72	0.067	2	0.78	0.021	0.50	0.1	<0.01	1.3	0.4	0.36	2	<0.5	0.3
1620962	Rock	10	12	0.54	49	0.012	2	1.18	0.026	0.25	0.1	<0.01	1.9	0.1	0.42	4	<0.5	<0.2
1620963	Rock	22	10	0.21	49	0.039	1	0.57	0.028	0.24	<0.1	<0.01	1.2	<0.1	0.21	1	<0.5	<0.2
1620964	Rock	14	4	0.31	48	0.002	1	0.43	0.017	0.24	<0.1	<0.01	1.0	<0.1	1.03	<1	<0.5	0.2
1620965	Rock	13	3	0.40	57	0.002	2	0.33	0.017	0.28	<0.1	<0.01	1.0	0.2	0.99	<1	<0.5	<0.2
1620965a	Rock	9	6	0.53	222	0.113	<1	0.98	0.109	0.49	<0.1	<0.01	2.6	0.3	<0.05	5	<0.5	<0.2
1620966	Rock	12	4	0.35	51	0.002	1	0.43	0.018	0.25	<0.1	<0.01	0.9	0.1	1.07	<1	<0.5	<0.2
1620967	Rock	10	5	0.41	60	0.004	1	0.75	0.013	0.29	0.1	<0.01	0.9	0.1	1.29	2	0.6	0.2
1620968	Rock	23	12	0.28	43	0.072	<1	0.63	0.041	0.26	0.1	<0.01	1.4	0.1	0.38	2	<0.5	<0.2
1620969	Rock	33	11	0.39	84	0.112	<1	1.08	0.026	0.70	0.1	<0.01	1.6	0.5	0.13	3	<0.5	<0.2
1620970	Rock	26	11	0.34	81	0.083	1	0.87	0.022	0.59	0.2	<0.01	1.4	0.4	0.26	3	<0.5	<0.2
1620970a	Rock	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.
1620971	Rock	21	6	0.31	43	0.020	2	0.70	0.018	0.27	<0.1	<0.01	1.1	0.2	0.69	1	<0.5	<0.2
1620972	Rock	14	9	0.49	63	0.018	1	0.91	0.020	0.40	0.1	<0.01	1.4	0.2	1.07	2	<0.5	<0.2
1620973	Rock	23	10	0.58	57	0.036	<1	1.04	0.016	0.43	0.1	<0.01	1.3	0.3	1.03	3	<0.5	<0.2
1620974	Rock	35	13	0.68	74	0.079	<1	1.24	0.023	0.55	0.1	<0.01	1.7	0.4	1.04	3	<0.5	0.2
1620975	Rock	33	14	0.66	54	0.081	<1	1.16	0.030	0.38	0.1	<0.01	1.4	0.3	0.85	3	<0.5	<0.2
1620976	Rock	27	20	0.81	75	0.101	<1	1.36	0.053	0.45	<0.1	<0.01	1.6	0.3	0.54	3	<0.5	<0.2
1620977	Rock	24	17	0.65	61	0.091	1	1.12	0.033	0.43	0.1	<0.01	1.5	0.3	0.75	3	<0.5	<0.2
1620978	Rock	25	16	0.66	67	0.095	1	1.20	0.036	0.50	0.2	<0.01	1.7	0.3	1.01	3	<0.5	<0.2
1620979	Rock	27	10	0.51	61	0.067	<1	1.03	0.016	0.39	0.2	<0.01	1.4	0.3	1.14	2	<0.5	<0.2
1620980	Rock	25	15	0.47	87	0.113	1	1.13	0.029	0.67	0.2	<0.01	1.9	0.5	0.40	3	<0.5	<0.2

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PHONE (604) 253-3158

Client: **PJX Resources Inc.**
5600 - 100 King Street West
Toronto ON M5X 1C9 Canada

Project: EDDY
Report Date: December 14, 2012

CERTIFICATE OF ANALYSIS VAN12005645.1

	Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1620981	Rock	2.42	0.4	23.8	12.9	60	<0.1	18.6	9.7	510	2.45	5.7	0.7	11.3	33	<0.1	0.2	0.4	17	2.00	0.030

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CERTIFICATE OF ANALYSIS VAN12005645.1

	Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1620981	Rock	24	16	0.47	81	0.115	<1	1.20	0.023	0.73	0.1	<0.01	2.0	0.6	0.20	3	<0.5	<0.2

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Project: EDDY
Report Date: December 14, 2012

QUALITY CONTROL REPORT VAN12005645.1

	Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
1620927	Rock	2.16	0.3	15.8	9.2	51	<0.1	15.7	9.6	228	2.21	5.8	<0.5	13.3	10	<0.1	0.1	0.3	12	0.15	0.024
REP 1620927	QC		0.3	15.5	8.9	51	<0.1	15.4	9.6	234	2.18	5.9	<0.5	13.1	10	<0.1	0.1	0.3	12	0.15	0.022
1620935	Rock	2.99	4.6	39.9	22.5	89	<0.1	30.3	13.7	350	3.58	0.9	<0.5	13.8	14	0.2	0.4	0.7	12	0.64	0.043
REP 1620935	QC		4.4	41.6	22.4	93	<0.1	31.6	14.5	342	3.61	1.1	0.5	13.6	14	0.2	0.4	0.7	12	0.63	0.044
1620961	Rock	2.11	0.5	26.1	25.8	46	<0.1	16.0	9.1	244	1.93	1.7	6.2	12.3	21	0.1	0.2	0.4	8	0.29	0.020
REP 1620961	QC		0.4	26.4	25.1	45	<0.1	16.5	9.0	243	1.92	1.8	7.0	12.1	20	0.1	0.1	0.3	8	0.28	0.020
1620968	Rock	2.04	1.2	14.7	15.3	42	<0.1	8.9	5.5	273	1.59	1.5	1.1	7.8	20	0.1	0.2	0.2	9	0.54	0.015
REP 1620968	QC		1.3	15.2	15.6	44	<0.1	9.2	5.9	278	1.63	1.7	1.0	8.3	22	0.1	0.2	0.2	9	0.55	0.016
Core Reject Duplicates																					
1620931	Rock	2.36	0.4	31.0	57.0	57	<0.1	16.0	9.6	393	2.23	6.2	6.6	9.9	28	0.2	0.3	0.3	5	0.77	0.027
DUP 1620931	QC	<0.01	0.4	30.3	60.6	58	<0.1	16.4	9.3	372	2.19	6.1	6.0	10.4	27	0.2	0.2	0.3	5	0.76	0.027
1620964	Rock	3.04	8.9	39.0	13.6	38	<0.1	27.0	11.0	259	2.38	34.1	3.1	7.4	26	0.3	1.2	0.4	4	0.44	0.037
DUP 1620964	QC	<0.01	8.3	41.1	13.1	36	<0.1	28.1	11.0	277	2.49	37.0	3.6	7.6	27	0.2	1.3	0.3	4	0.44	0.036
Reference Materials																					
STD DS9	Standard		12.1	112.1	120.5	299	1.9	40.1	8.0	538	2.32	25.5	111.3	6.0	67	2.3	5.5	6.6	41	0.70	0.083
STD DS9	Standard		12.2	109.0	119.9	294	1.8	38.7	7.5	557	2.32	24.8	113.2	6.3	68	2.3	5.1	6.4	39	0.75	0.083
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
Prep Wash																					
G1	Prep Blank	<0.01	<0.1	3.7	2.9	51	<0.1	4.1	4.6	591	1.99	<0.5	2.6	5.0	67	<0.1	<0.1	<0.1	36	0.48	0.084
G1	Prep Blank	<0.01	<0.1	3.3	2.4	44	<0.1	3.6	4.2	544	1.93	<0.5	1.1	4.5	55	<0.1	<0.1	<0.1	35	0.44	0.073

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5600 - 100 King Street West
Toronto ON M5X 1C9 Canada

Project: EDDY
Report Date: December 14, 2012

QUALITY CONTROL REPORT VAN12005645.1

	Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1620927	Rock	34	14	0.37	100	0.144	<1	1.03	0.022	0.77	<0.1	<0.01	1.6	0.6	0.12	3	0.7	<0.2
REP 1620927	QC	33	13	0.37	97	0.140	<1	1.02	0.021	0.75	<0.1	<0.01	1.5	0.5	0.12	3	<0.5	<0.2
1620935	Rock	30	16	0.76	70	0.097	<1	1.52	0.032	0.56	0.2	<0.01	2.1	0.4	0.90	4	0.8	<0.2
REP 1620935	QC	29	16	0.76	67	0.094	<1	1.51	0.028	0.55	0.2	<0.01	2.0	0.4	0.90	4	<0.5	<0.2
1620961	Rock	29	9	0.28	72	0.067	2	0.78	0.021	0.50	0.1	<0.01	1.3	0.4	0.36	2	<0.5	0.3
REP 1620961	QC	26	9	0.28	67	0.063	2	0.78	0.020	0.50	0.1	<0.01	1.2	0.4	0.36	2	<0.5	0.3
1620968	Rock	23	12	0.28	43	0.072	<1	0.63	0.041	0.26	0.1	<0.01	1.4	0.1	0.38	2	<0.5	<0.2
REP 1620968	QC	24	13	0.29	45	0.074	<1	0.64	0.043	0.25	0.1	<0.01	1.6	0.2	0.39	2	<0.5	<0.2
Core Reject Duplicates																		
1620931	Rock	14	7	0.32	58	0.029	<1	0.59	0.017	0.33	0.1	<0.01	1.1	0.2	0.43	2	<0.5	0.2
DUP 1620931	QC	14	7	0.32	58	0.029	<1	0.60	0.018	0.34	0.1	<0.01	1.1	0.2	0.43	2	<0.5	0.3
1620964	Rock	14	4	0.31	48	0.002	1	0.43	0.017	0.24	<0.1	<0.01	1.0	<0.1	1.03	<1	<0.5	0.2
DUP 1620964	QC	15	4	0.31	53	0.002	1	0.44	0.019	0.26	<0.1	<0.01	1.0	<0.1	1.10	1	<0.5	0.3
Reference Materials																		
STD DS9	Standard	13	121	0.60	285	0.114	3	0.94	0.087	0.39	2.8	0.20	2.4	5.1	0.16	5	5.5	4.8
STD DS9	Standard	14	118	0.61	278	0.118	1	0.97	0.087	0.39	2.7	0.22	2.5	5.0	0.16	4	4.8	4.8
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																		
G1	Prep Blank	10	9	0.58	247	0.124	<1	1.04	0.107	0.51	<0.1	<0.01	2.7	0.3	<0.05	5	<0.5	<0.2
G1	Prep Blank	9	8	0.56	223	0.107	<1	0.97	0.087	0.48	<0.1	<0.01	2.4	0.3	<0.05	5	<0.5	<0.2

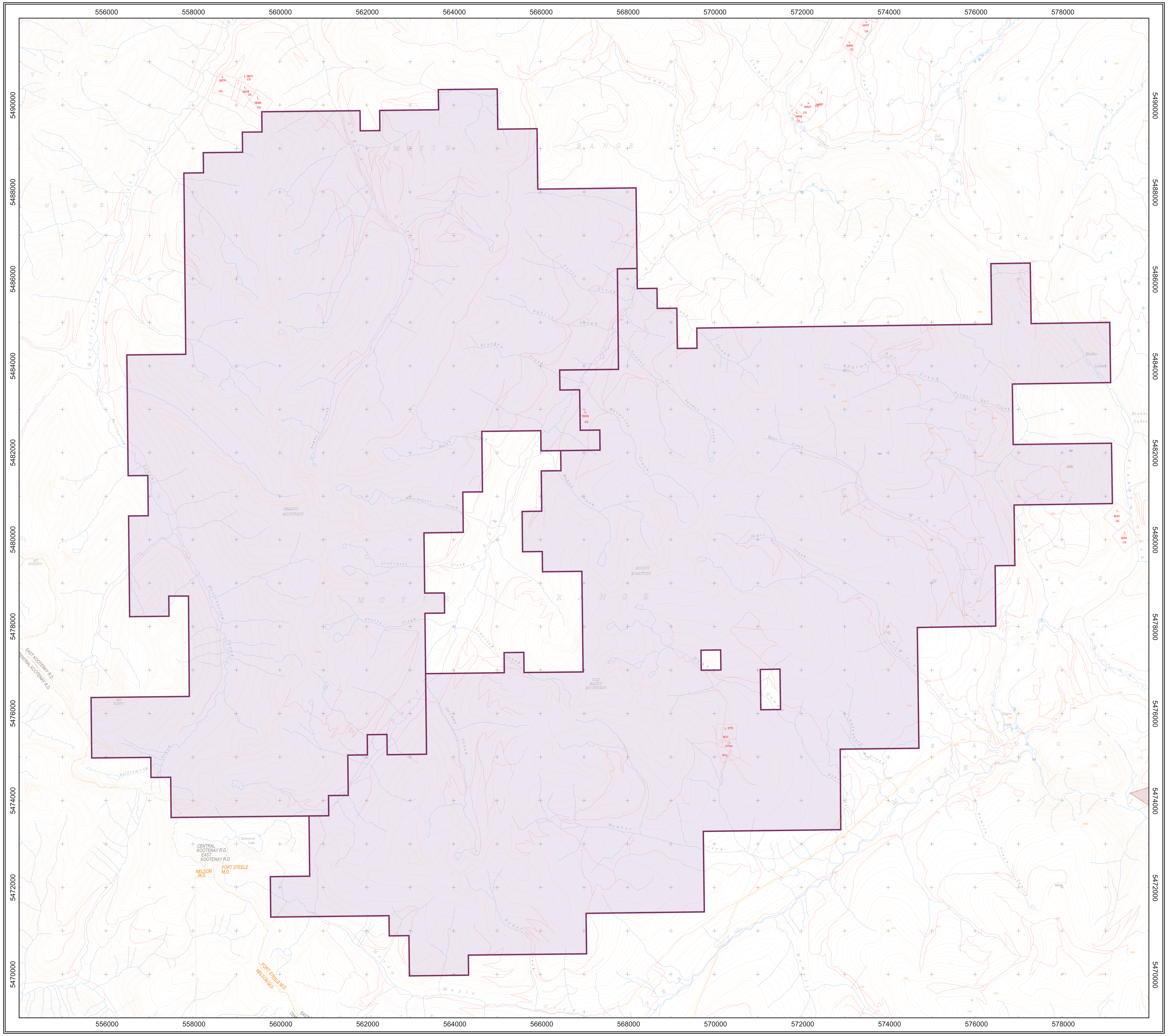
Appendix 6: Foldout Maps

PJX Resources Inc.

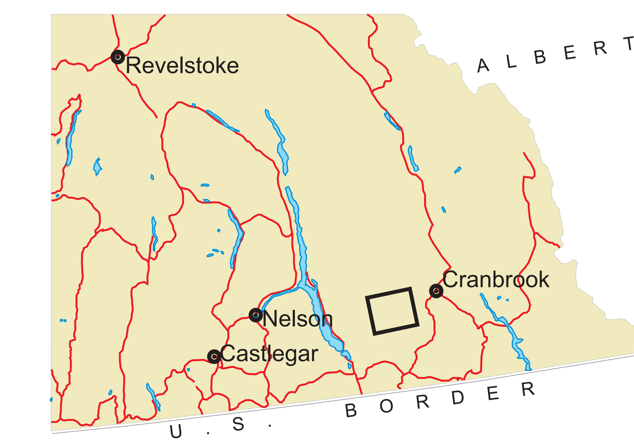
ZINGER AND EDDY PROPERTIES

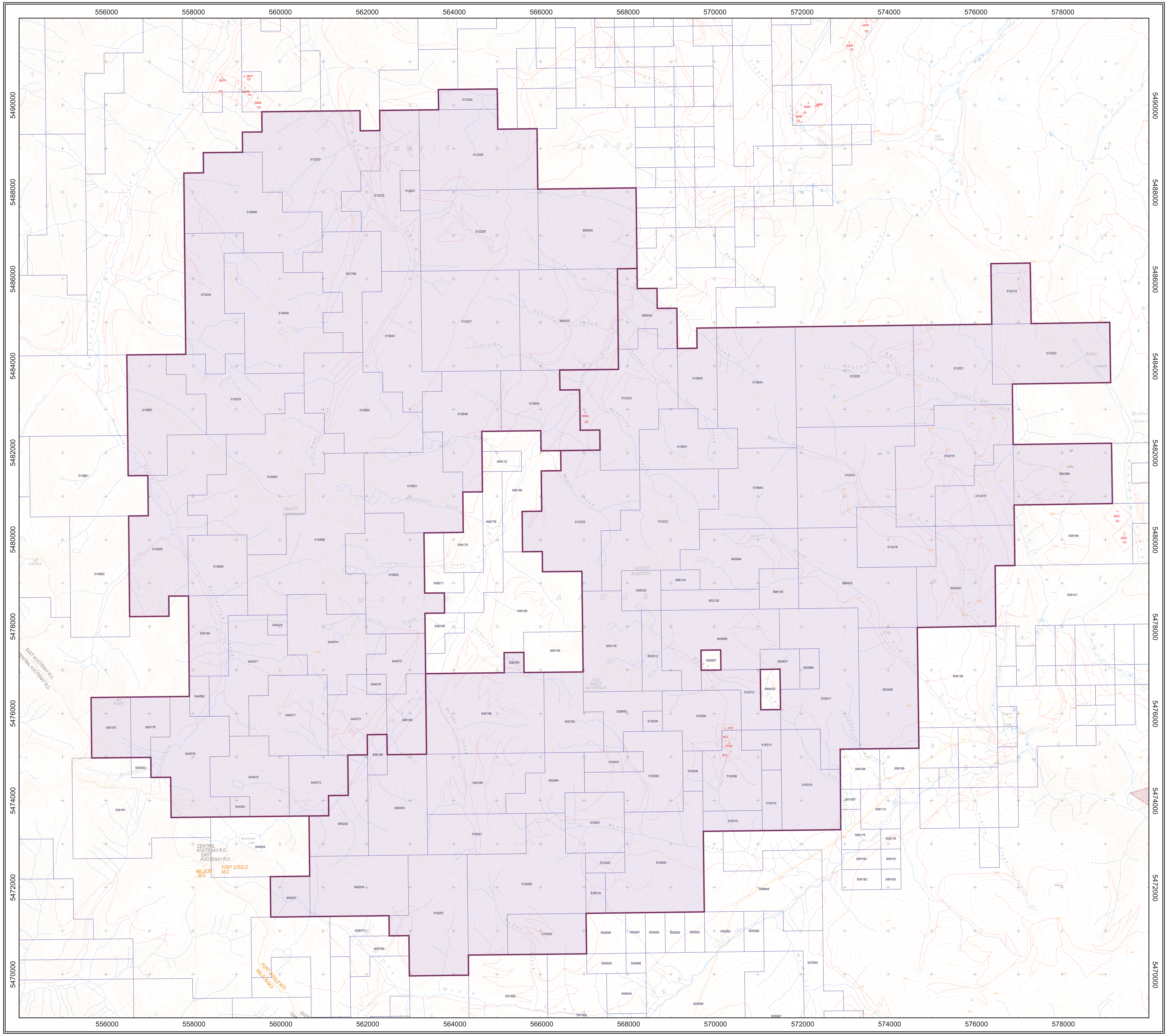
FORT STEELE MINING DIVISION
KOOTENAY DISTRICT

SCALE: 1:25,000



SOUTH EAST BRITISH COLUMBIA





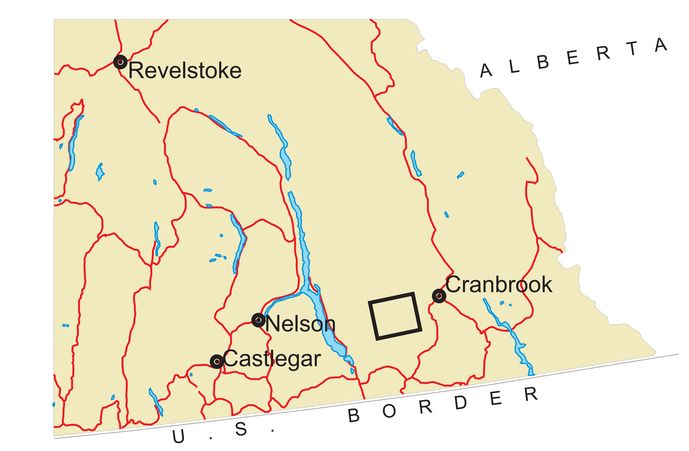
PJX Resources Inc.

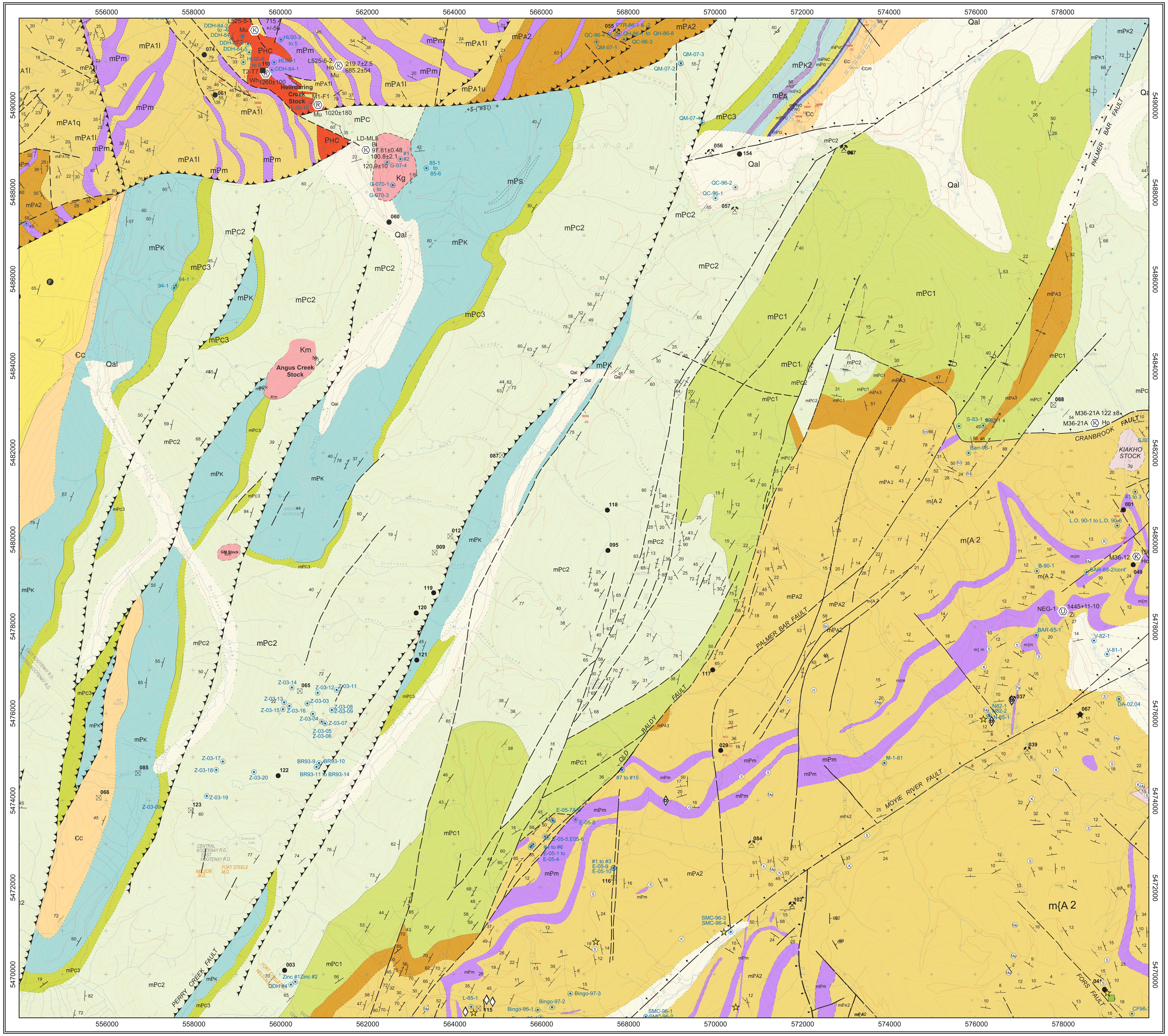
ZINGER AND EDDY PROPERTIES

FORT STEELE MINING DIVISION
KOOTENAY DISTRICT

0m 1000m 2000m
SCALE: 1:25,000

SOUTH EAST BRITISH COLUMBIA

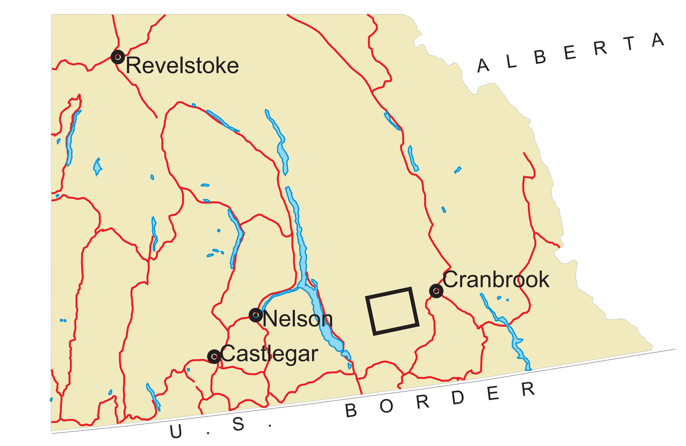




ZINGER AND EDDY PROPERTIES
FORT STEELE MINING DIVISION
KOOTENAY DISTRICT

0m 1000m 2000m
SCALE: 1:25,000

SOUTH EAST BRITISH COLUMBIA



LAYERED ROCKS

Coloured legend blocks indicate map units that appear on this map.

QUATERNARY

- Qal — *Unconsolidated outwash, alluvium, colluvium and till.*

LOWER AND (?) MIDDLE CAMBRIAN
EAGER FORMATION

- €E — *Grey argillite, silty argillite, siltstone; buff weathering, silty limestone; rare bioclastic beds.*

CRANBROOK FORMATION

- €C — *Quartzite, limestone, calcite marble, dolomite marble, calc-silicate.*

PROTEROZOIC
MIDDLE PROTEROZOIC (Helikian)
PURCELL SUPERGROUP
DUTCH CREEK FORMATION

- mPDC — *Undivided; green siltstone, argillite, stromatolitic dolomite and quartz wacke.*

KITCHENER FORMATION

- mPK — *Undivided; thin-bedded, brown weathering dolomitic siltstone and green argillite.*
- mPK3 — *Upper: dolomite, thin- to thick-bedded, white to grey, with interbedded white quartzite.*
- mPK2 — *Middle: Dolomitic siltstone, dolomitic argillite, dolomite, commonly buff-weathering; argillite, siltstone, quartzite; green tinged dolomitic siltstone near base.*
- mPK1 — *Lower: Dolomitic siltstone; dolomitic argillite; dolomite, commonly buff-weathering; argillite; siltstone and quartzite.*
- mPK1a — *Grey carbonate member.*

CRESTON FORMATION

- mPC — *Undivided sedimentary rocks. Light grey, mauve, green siltstone and argillite; thin- to medium-bedded quartz arenite, quartz wacke. Lenticular bedding, ripples, cross-bedding and mudcracks.*
- mPC3 — *Upper: green siltstone; black or purple argillite and siltstone.*
- mPC2 — *Middle: light grey, mauve, purple, thin-to medium-bedded quartz arenite, quartz wacke, lesser grey siltite and argillite. White quartzite interbeds. Lenticular bedding, ripples, cross-bedding and mudcracks.*
- mPC1 — *Lower: waxy green to olive, tan weathering, laminated to thick-bedded argillite and siltite. Lesser fine grained quartz wacke. Wavy bedding and abundant mudcracks.*

ALDRIDGE FORMATION

- mPA3 — *Upper: rusty brown weathering, grey to dark grey, fissile to platy, laminated silty argillite and siltite.*
- mPA2 — *Middle: grey to rusty weathering, thick- to thin-bedded, quartzofeldspathic wacke with argillite and siltite, intercalations.*
- mPA1 — *Lower: rusty brown weathering, thin- to medium-bedded, quartz wacke, quartz arenite.*
- mPAfr — *Fragmental rocks interpreted as sedimentary debris flows, breccias formed in dewatering pathways, mud volcano debris, and hydrothermal breccias: stratiform and discordant, matrix- and framework-supported fragmental rocks consisting of angular to rounded quartzite clasts having a size range of <2mm to >2m.*

INTRUSIVE ROCKS

CRETACEOUS
BAYONNE PLUTONIC SUITE

- Km — *Biotite monzogranite; medium to fine grained, massive.*
- LKBMS — *Mount Skelly pluton: hornblende-biotite granite; pale grey to white, massive, medium-grained, and potassium-feldspar megacrystic; local magmatic layering occurs.*
- Kdia — *Diatreme: Lamprophyre sills and dykes that intrude the Aldridge and Creston Formation; brown weathering, carbonatized, large megacrysts and xenocrysts of phlogopite, amphibole, and pyroxene in a fine-grained, dark chloritic matrix; 10-80 percent by volume xenocrysts; sedimentary, lower crustal, and mantle derived xenocysts; possibly Cretaceous age.*

PROTEROZOIC
MOYIE INTRUSIONS

- mPm — *"Moyie Sills". Dark green to black, medium- to fine-grained gabbro and hornblende quartz diorite sills and minor dikes. Zircon U-Pb dates circa 1467 Ma (Anderson and Davis, 1995).*

SYMBOLS

- *Geological contact: defined, approximate, assumed*
- *Outcrop*
- *Quaternary limit of cover*
- *Fault: defined, approximate, assumed*
- *Fault, thrust (teeth on upthrust side): defined, approximate, assumed*
- *Fault, extension (solid circle indicates downthrown side): defined, approximate, assumed*
- *Bedding: horizontal, inclined, vertical.*
- *Bedding: facing direction known*
- *Bedding parallel to foliation*
- *Foliation, schistosity, fracture cleavage: inclined, vertical*
- *Dyke or vein: inclined, vertical*
- *Thrust fault*
- *Minor fold: axial plane and plunge of axis: inclined, vertical.*
- *Lineation: undefined, mineral, intersection (S_0/S_1).*
- *Sedimentary fragmentals (isolated exposures).*
- *Tourmalinite: outcrop, stratiform, discordant, float*
- *Albite alteration*
- *Marker locality (see index for abbreviations)*
- *Geochronolgy sample: Age Method: Ar/Ar, K/Ar, Rb/Sr, Sm/Nd, U/Pb, (Sample number, Age, Mineral marked as shown)* — Sample Number, Age, Mineral
- *MINFILE mineral occurrence (see table)* — *producer, past producer, developed prospect, prospect, showing, anomaly* — 001
- *Adit, drill hole with reference number (see Joseph et al., 2010).* — G-4
- *Fossil locality.*
- *Anticline, syncline (trace of axial surface)*
- *Overturned anticline, syncline (trace of axial surface)*
- *Aldridge Marker: defined, approximate, assumed*
- *Approximate location of seismic line*
- *Location of measured stratigraphic column with name: point of section, section line* — G-1
- *Provincial Park Boundary*

PJX Resources Inc.
EDDY PROPERTIES
ZEUS AND NEGRO CREEK AREAS
FORT STEELE MINING DIVISION
KOOTENAY DISTRICT
0m 500m 1000m
SCALE: 1:10,000
PROTEROZOIC
MIDDLE PROTEROZOIC (Helikian)
CRESTON FORMATION
mPc2
Middle: light grey, mauve, purple, thin-to medium-bedded quartz arenite, quartz wacke, lesser grey siltite and argillite. White quartzite interbeds. Lenticular bedding, ripples, cross-bedding and mudcracks.
mPc1
Lower: waxy green to olive, tan weathering, laminated to thick-bedded argillite and siltite. Lesser fine grained quartz wacke. Wavy bedding and abundant mudcracks.
ALDRIDGE FORMATION
mPA3
Upper: rusty brown weathering, grey to dark grey, fissile to platy, laminated silty argillite and siltite.
mPA2
Middle: grey to rusty weathering, thick- to thin-bedded, quartzofeldspathic wacke with argillite and siltite, intercalations.
MOYIE INTRUSIONS
mPm
"Moyie Sills". Dark green to black, medium- to fine-grained gabbro and hornblende quartz diorite sills and minor dikes. Zircon U-Pb dates circa 1467 Ma (Anderson and Davis, 1995).
571000 572000 573000 574000 575000 576000
5482000 5481000 5480000
S-83-1
Barr-96-1
Sh
R3
mPA2
m{A 2
Negro Creek


PJX
Resources Inc.
EDDY PROPERTIES
ZEUS AND NEGRO CREEK AREAS
FORT STEELE MINING DIVISION
KOOTENAY DISTRICT
0m
500m
1000m
SCALE: 1:10,000
571000
572000
573000
574000
575000
576000
5482000
5481000
5480000
A
A'
B
B'
ED12-01
ED12-02
ED12-03
ED12-04

PJX
Resources Inc.
EDDY PROPERTIES
ZEUS AND NEGRO CREEK AREAS
FORT STEELE MINING DIVISION
KOOTENAY DISTRICT
0m
500m
1000m
SCALE: 1:10,000
B-FIELD Z COMPONENT
VTEM AIRBORNE GEOPHYSICAL SURVEY
571000
572000
573000
574000
575000
576000
5482000
5481000
5480000
A
A'
B
B'
ED12-01
ED12-02
ED12-03
ED12-04

PJX Resources Inc.

CROSS SECTION A - A'

LOOKING NORTHEAST

EDDY PROPERTY

SOUTHEAST BRITISH COLUMBIA

0 100 200

GEOLOGY LEGEND

PROTEROZOIC

ALDRIDGE FORMATION

mPA2	*Middle: grey to rusty weathering, thick- to thin-bedded, quartzofeldspathic wacke with argillite and siltite, intercalations.*
mPA2d	*Middle differentiated: medium to thin-bedded, dolomite, wavy laminations stromatolites?*

MOYIE INTRUSIONS

mPm	*"Moyie Sills". Dark green to black, medium- to fine-grained gabbro and hornblende quartz diorite sills and minor dikes. Zircon U-Pb dates circa 1467 Ma (Anderson and Davis, 1995).*