BC Geological Survey
Assessment Report
33422

2012 Geological, Geochemical, Geophysical and Diamond Drilling Report on the Castle Property, Northwestern British Columbia

Liard Mining Division
NTS 104G/16
Latitude: 57° 49' N   Longitude: 130° 12' W

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By:

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Table of Contents

Table of Contents 1
List of Tables 2
List of Figures 2
Appendices 2
1 Introduction 3
2 Property Title 3
3 Access and Geography 7
4 Exploration History 7
5 Regional Geology and Metallogeny 9
6 Property Geology 14
6.1 Volcanic and Sedimentary Rocks 14
6.2 Intrusive Rocks 14
6.3 Alteration 15
6.4 Structure 16
7 Geochemistry 17
7.1 Procedure 17
7.2 Results 21
8 Geophysics 24
8.1 Ground Magnetics 24
9 Diamond Drilling 25
9.1 Drill Hole Locations and Sampling Procedures 25
9.2 Results 27
9.2.1 CA12-01 28
9.2.2 CA12-02 29
9.2.3 CA12-03 30
9.2.4 CA12-04 31
9.2.5 CA12-05 32
9.2.6 CA12-06 33
10 Conclusions and Recommendations 34
11 References 35

List of Tables

Table 2.1	Mineral claims, Castle Property.
Table 4.1	Historical drill results, Castle Property.
Table 7.1	QSP alteration, Au and Cu values, Castle Property. Au and Cu in parts per million (ppm).
Table 7.2	Stockwork Zone, Au and Cu values, Castle Property. Au and Cu in parts per million (ppm).
Table 7.3	Brokenhead Zone, Au and Cu values, Castle Property. Au and Cu in parts per million (ppm).
Table 7.4	Nichol Zone, Au and Cu values, Castle Property. Au and Cu in parts per million (ppm).
Table 9.1	Castle Project 2012 Diamond Drill Hole Locations and Sample Numbers
Table 9.2	Drill Hole Intersections, Castle 2012 Phase I Drilling:

List of Figures

Figure 1	Location Map
Figure 2	Claim Map
Figure 3	Regional Geology
Figure 4	Property Geology and Alteration
Figure 5	Rock Sample Locations Castle West (includes insets for Stockwork, Brokenhead Zones)
Figure 6	Rock Sample Locations Castle East
Figure 7	Diamond Drill Hole Locations

Appendices

Appendix A Rock Sample Assays and Descriptions
Appendix B Diamond Drilling
- B-1 Collars and Surveys
- B-2 Drill Logs
- B-3 Codes
- B-4 Recoveries, RQD
- B-5 Samples and Assays
- B-6 Plan and Sections

Appendix C Statement of Expenditures
Appendix D Assay Certificates
Appendix E Statement of Qualifications
Appendix F Ground Magnetic Survey
- F-1 Total Magnetic Intensity – Histogram Equalization Stretch
- F-2 Total Magnetic Intensity – Linear Stretch

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1 Introduction

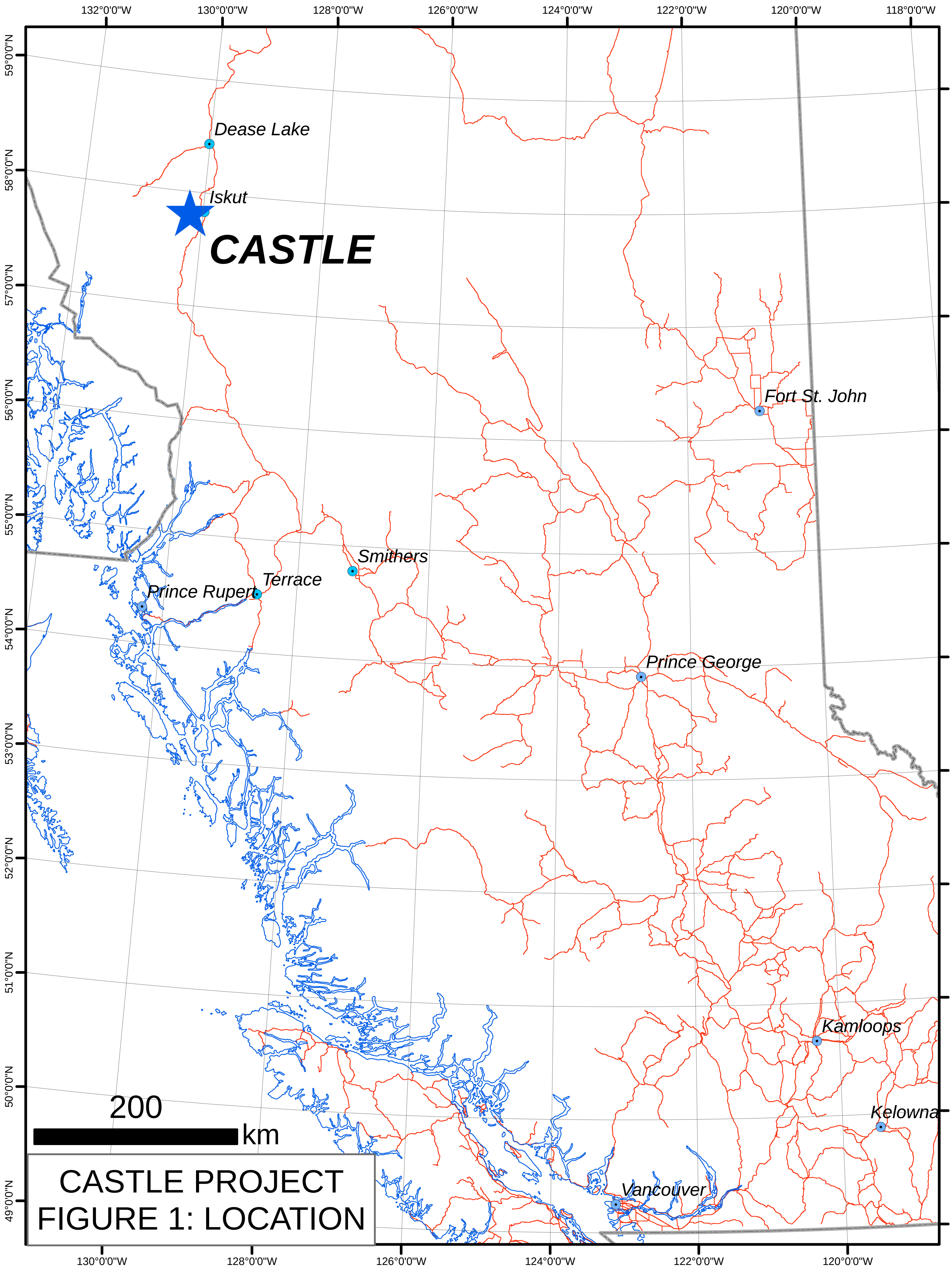
The Castle Property is located 68 kilometers south of Dease Lake, northern British Columbia (Figure 1) and covers a 5.5 kilometre long alteration zone associated with gold-copper mineralization. West Cirque Resources Ltd. optioned the western part of the property from Bearclaw Capital Corp. in November 2011 after an initial reconnaissance traverse on August 10. The eastern part of the property was subsequently acquired from several vendors in 2012. West Cirque completed a diamond drill program from June 12 to July 17, 2012, and subsequently completed a ground magnetic survey (July 26-31) and an induced polarization (IP) survey (September 5-15). The diamond drilling was carried out by Ridgeline Diamond Drilling Ltd. of Smithers, B.C. and the IP survey was contracted to Scott Geophysics Ltd. of Vancouver. Pacific Western Helicopters of Prince George and Whiskey Creek Eco Adventures of Iskut provided logistical support. The program was based out of Iskut, B.C. A total of $658,794.35 was filed for assessment based on expenditures on the drilling and magnetic surveys (Appendix C).

2 Property Title

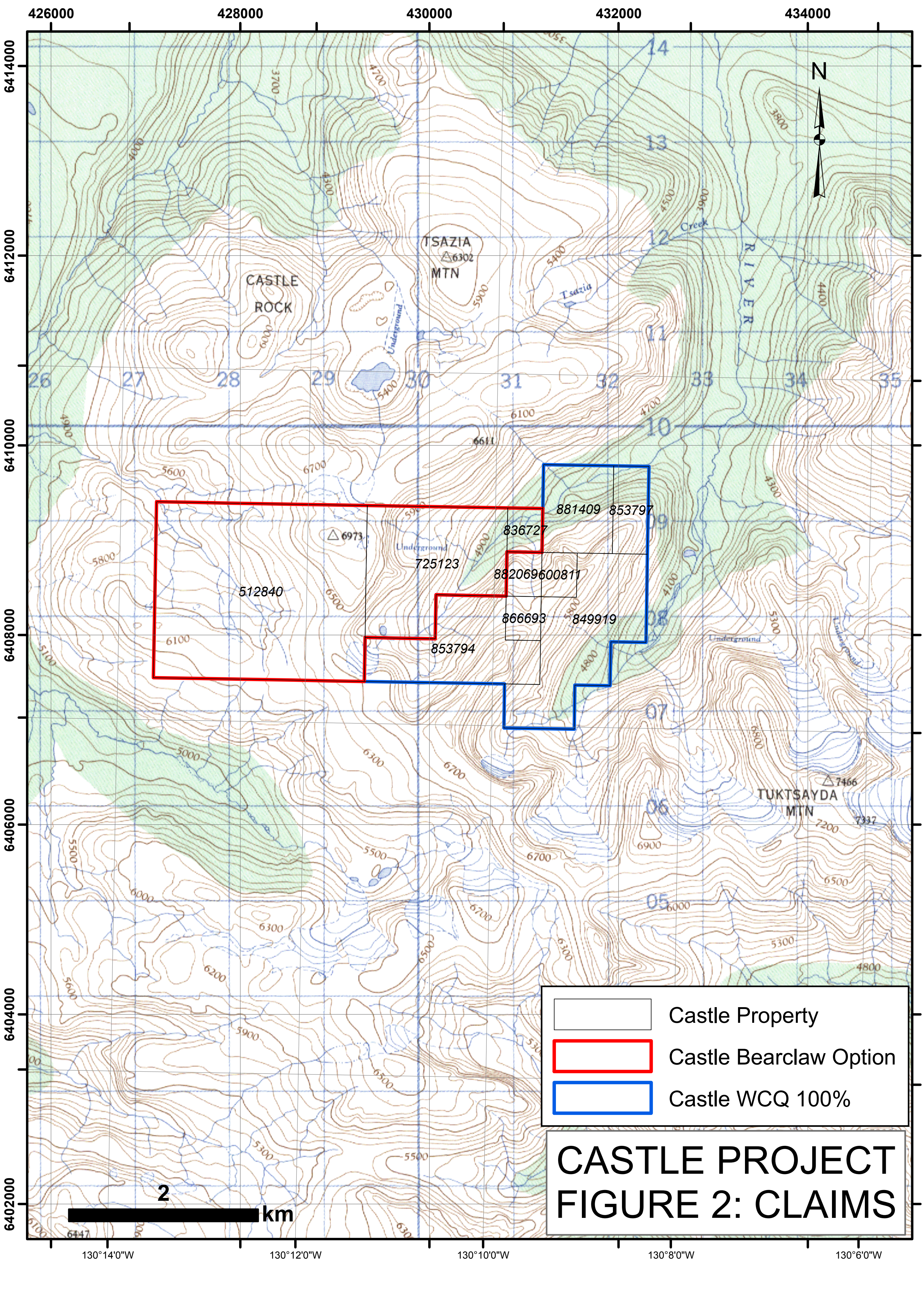
The Castle project comprises ten claims (1034 hectares) including seven 100% West Cirque owned claims (431 hectares) and three claims (603 hectares) under option from Bearclaw Capital Corp. The mineral claims are listed in Table 2.1 and displayed on Figure 2.

Table 2.1 Mineral claims, Castle Property.

Tenure Number	Claim Name	Owner	Map	Issue Date	Good To Date	Status	Area (ha)
512840		145966 (100%)	104G	2005/may/17	2022/sep/30	GOOD	413.65
725123	CASTLE 2	145966 (100%)	104G	2010/mar/12	2022/sep/30	GOOD	172.34
836727	CASTLE 3	145966 (100%)	104G	2010/oct/26	2022/sep/30	GOOD	17.24
					2022/sep/30		
600811	TUK	251682 (100%)	104G	2009/mar/11	2022/sep/30	GOOD	17.24
853797	TUK NE	251682 (100%)	104G	2011/may/08	2022/sep/30	GOOD	34.48
853794	TATS	251682 (100%)	104G	2011/may/08	2022/sep/30	GOOD	120.68
866693		251682 (100%)	104G	2011/jul/20	2022/sep/30	GOOD	17.24
881409		251682 (100%)	104G	2011/aug/04	2022/sep/30	GOOD	68.95
882069		251682 (100%)	104G	2011/aug/05	2022/sep/30	GOOD	17.24
849919		251682 (100%)	104G	2011/mar/27	2022/sep/30	GOOD	155.19



CASTLE PROJECT
FIGURE 1: LOCATION



CASTLE PROJECT
FIGURE 2: CLAIMS

3 Access and Geography

The Castle property is located on the Klastline Plateau just northwest of Tuktsaya Mountain (elevation 2275 meters) in northwestern B.C. (NTS map sheet 104G/16, latitude 57° 49’ N, longitude 130° 12’ W). The property is almost entirely above treeline, with elevations ranging from 1430 meters in the northeast corner to 2125 meters in the north central part of the property. Topography ranges from gentle open slopes in the western part of the property to steep cliffs below narrow ridges in the east. Creeks drain to the northwest and northeast into the Klastline River, a tributary of the Stikine River.

Normal monthly average temperatures range from -17.7°C in January to 12.6°C in July. The area receives about 25 cm rainfall and 227 cm snowfall per year on average.

The western edge of the claim block is 8.7 kilometers from B.C. Highway 37 and 9.3 kilometers west of the village of Iskut. An ATV track provides rough ATV access from Highway 37 into the upper part of the valley in the northeast corner of the property. Helicopter access to the property is from a permanent base in Dease Lake or from temporary bases in Iskut or Tatogga Lake. During the 2012 drill program a helicopter based in Iskut provided access for drill moves and crew changes.

The project is located 25 kilometers northwest of Imperial Metals’ Red Chris copper-gold porphyry deposit, and 17 kilometers north of NGEx Resources’ GJ copper-gold porphyry deposit (presently under option to Teck Resources Ltd.).

4 Exploration History

In 1971, Sumitomo Mining defined a 250 by 1500 metre copper soil anomaly in the western part of the property, and subsequently conducted a small program of diamond drilling (550 meters). The geochemical survey is describe in Hilchy (1971) but the drilling was never filed for assessment.

Teck Exploration Ltd. staked the property in 1980 and conducted the following work:

- 1980 - Soil sampling (226 samples) and 1:2500 scale geological mapping (Folk, 1981). This work defined a 1400 by 150 metre copper (Cu>200 ppm) in soil anomaly with coincident molybdenum, gold and silver. The anomaly was coextensive with a “linear band of highly pyritized volcanics”. Although the geochemistry was interpreted as “suggestive of a porphyry type setting” it was concluded that the “narrow zone totally precludes the existence of a major porphyry system”. Nevertheless further work was recommended.
- 1981 - 16 rock chip samples which returned significant gold values up to 1.94 grams per tonne (g/t) over 5.5 meters (Schellenberg, 1981).
- 1985 - Magnetometer (7.8 km), VLF (7.2 km) and self-potential (5 km) surveying and rock chip sampling (35 samples; Lovang, 1986). Rock samples returned gold

values up to 9.4 g/t and included a chip of 7.3 g/t Au over 3 meters. Significant Cu values were also obtained (up to 2.19%).

- 1987 – Geology, soil sampling (545 samples), magnetometer (14.5 km), self-potential (14.5 km), IP (10.5 km), hand trenching, rock sampling (99 samples; Folk, 1987). This program mapped pyritic alteration over an area of 200 by 1300 meters and discovered visible gold mineralization associated with quartz-sericite-pyrite (QSP) alteration in two locations, returning assays up to 138.2 g/t Au and 434 g/t Ag. Teck's chip samples also returned encouraging values, including: 31.92 g/t Au, 138.9 g/t Ag over 1.0 metre, 39.63 g/t Au, 3.4 g/t Ag over 0.4 metre, 7.99 g/t Au, 34.29 g/t Ag over 3.0 meters, 7.82 g/t Au, 31.89 g/t Ag over 2.0 meters, 0.93 g/t Au and 6.5 g/t Ag over 18.0 meters. Teck also completed a second soil survey, outlining a 150 to 400 by 2000 metre Cu-Au anomaly, open to the east, with up to 5593 ppm Cu and 1.4 ppm Au in soil. In addition, the IP survey outlined a strong 1100 metre long chargeability high in the western part of the zone.

In 1988 Kappa Resources Corp. funded a program of diamond drilling as part of a 50% earn-in agreement with Teck. The program (1165 meters in 11 drill holes from four drill sites) intersected gold-silver-copper mineralization over a 500 metre strike length (Delaney, 1988). Several drill holes ended in highly fractured rock with significant copper-gold mineralization, including: 0.41 g/t Au and 0.40% Cu at 116.7-117.1 meters (88-8), 5.83 g/t Au and 0.15% Cu at 143.5-144.2 meters (88-9), and 0.50 g/t Au and 0.15% Cu at 149.7-151.7 meters (88-1). Two drill holes (88-10 and 88-11) were terminated at shallow depths (28 and 59 meters, respectively), while eight of the other nine holes intersected significant mineralization (Table 4.1). Note only about 50% of the core was sampled.

Table 4.1 Historical drill results, Castle Property (Teck 1988).

DDH	From (m)	To (m)	meters	Au g/t	Ag g/t	Cu %
CAS88-1	23.8	29.9	6.1	0.95	4.50	0.18
CAS88-2	51.8	57.4	5.6	0.85	1.16	0.24
CAS88-3	15.8	21.5	5.7	0.51	1.50	0.22
CAS88-3	66.3	69.4	3.1	1.09	1.77	0.05
CAS88-4	30.2	34.3	4.1	1.29	11.04	0.08
CAS88-5	7.0	10.3	3.3	1.31	1.67	0.03
CAS88-6	53.9	64.1	10.2	0.25	1.86	0.29
CAS88-7	26.5	35.7	9.2	3.75	26.42	0.13
CAS88-8	17.0	23.7	6.7	2.87	17.28	0.11
CAS88-8	42.2	48.8	6.6	1.73	4.15	0.18
CAS88-9	69.5	84.6	15.1	0.72	3.59	0.08
CAS88-9	126.7	131.7	5.0	1.24	2.78	0.03

In 1997 Teck returned to the Castle property and conducted additional mapping and rock sampling (204 samples), extending the area mapped and sampled well to the east of previous work (Pautler, 1997). This program extended the known alteration to a strike length of 7 kilometers. Significant assays were returned from samples of quartz-carbonate-chalcopyrite veins (e.g. 2.8 g/t Au, 44.2 g/t Ag and 6.9% Cu). Gold mineralization was interpreted as related to pyrite-sericite-quartz veinlets controlled by conjugate faults.

The eastern part of the Castle property (then called the Tuk property) was further investigated in 2004 by consultants working for Canadian Gold Hunter Corp. (Mehner, 2005). Twenty-five talus fine samples were collected from two separate areas below gossanous outcrops, returning Cu values up to 5650 ppm and Au values up to 332 ppb. Twenty-five rock samples were also collected, returning copper values up to 9.7%. This program also interpreted a carbonate-rich gossan overlying felsic tuffs as an exhalite.

Brett Resources re-logged and re-assayed some drill core (43 samples) from Kappa/Teck hole 88-8 in 2009 (Koffyberg, 2010) as part of an evaluation of the property.

A single reconnaissance traverse was carried out by the author and John Fleishman for West Cirque Resources Ltd in 2011 as part of a regional program evaluating underexplored porphyry prospects in the Dease Lake area. Rocks previously mapped by Teck as porphyritic andesitic volcanics were re-interpreted as probable high level intrusive monzodiorite porphyry. Sheeted quartz-chalcopyrite veinlet copper mineralization was noted in the porphyry, and. a grab sample of this material returned an assay of 0.444 g/t Au and 0.14% Cu (sample J486099, Figure 5 and Appendix A). Drill hole CA12-06 was subsequently collared about 45 meters north of this sample. Samples of pyritic mineralization associated with QSP alteration returned up to 9.6 g/t Au, 0.46% Cu and 50 g/t Ag. A sample of the porphyry was described by a petrographic consultant as “moderate transitional propylitic-potassic (quartz-epidote-chlorite-ankerite-sericite) altered, plagioclase-mafic porphyry possibly originally about quartz monzonite in composition, associated with veins of quartz-minor chalcopyrite-chlorite-carbonate, typical of porphyry copper environments” (Leitch, 2011). On the basis of this evaluation the property was optioned from Bearclaw Capital in November 2011.

5 Regional Geology and Metallogeny

The Castle Property is located in northern Stikine Terrane, a mid-Paleozoic to Late Jurassic volcano-plutonic arc outboard (west of) of Cache Creek Terrane in northern B.C. and southern Yukon. Souther’s (1972) map of the Telegraph Creek sheet (N.T.S. 104G, 1:250,000), provided the main geological database of the area until quite recently. More recent 1:50,000 scale mapping in the Tatogga Lake area by the B.C. Geological Survey Branch (compiled in Ash et al., 1997a) provided a significant update to the regional geology.

Stikine Terrane has traditionally been subdivided into Late Paleozoic (Stikine), Late Triassic (Stuhini Group) and Early to Middle Jurassic (Hazelton Group) volcanic-sedimentary assemblages (Figure 3).

The following regional summary is from Friedman and Ash (1997):

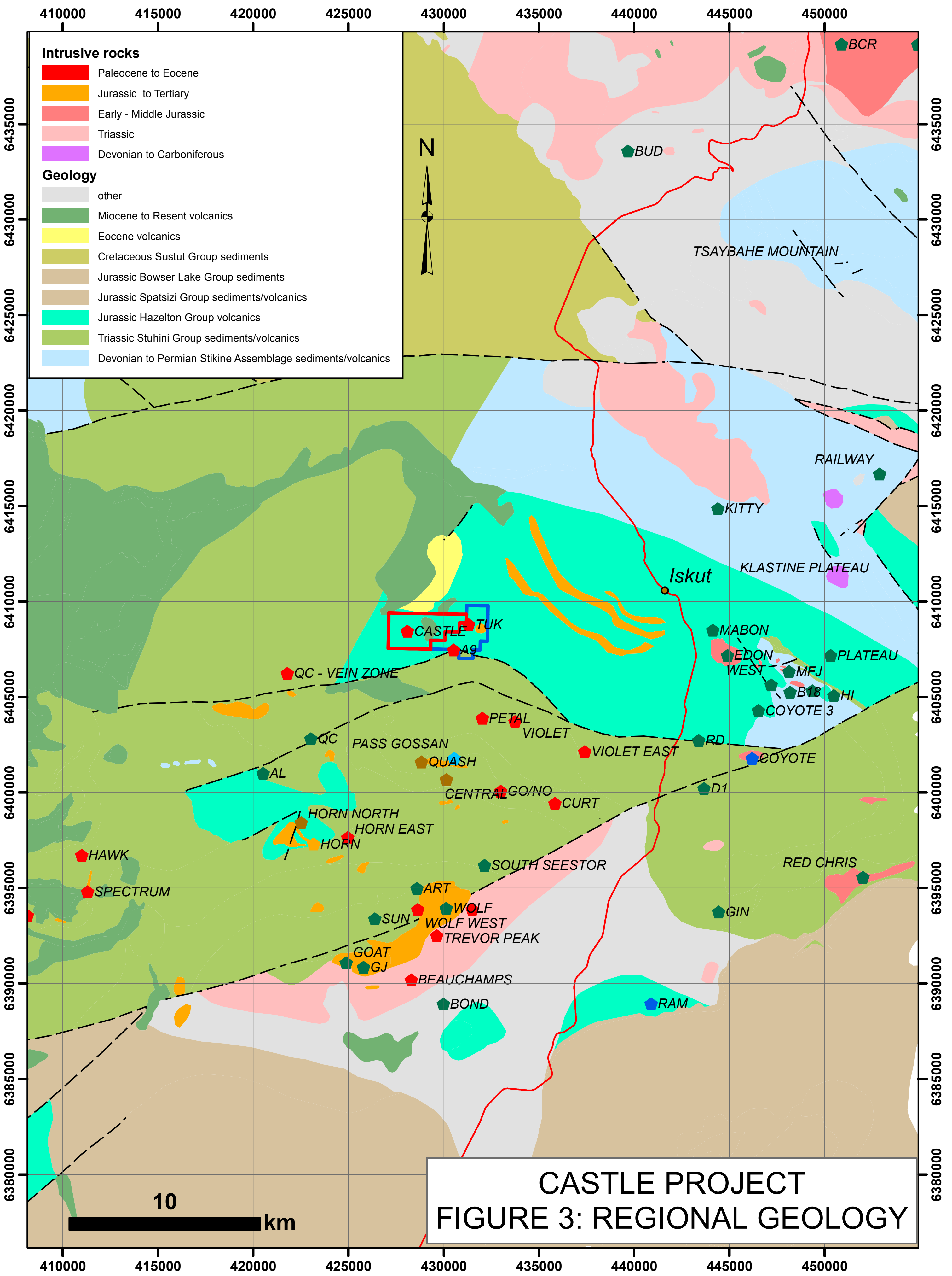
> *The Tatogga Lake map area is dominated by Lower Mesozoic arc volcanic rocks. These strata are faulted against, and in part unconformable overlie Paleozoic Stikine assemblage metavolcanic and metasedimentary rocks in the northeast part of the map area and are overlain by, or are in fault contact with Middle Jurassic Bowser Lake Group clastic sedimentary rocks to the south. Isolated recent mafic volcanic deposits unconformably overlie Mesozoic volcanic rocks in the northwest.*
>
> *Lower Mesozoic strata are divisible into three distinctive volcanic sequences… The lowest and oldest of these comprise Middle(?) to Upper Triassic Stuhini Group strata which… are represented by marine clastic and pelagic sediments, and by lesser mafic volcanic rocks. A suite of variably hydrothermally altered and Cu-Au mineralized subvolcanic monzonitic porphyry stocks and sills intrude these strata. This intrusive suite is thought to represent hypabyssal stocks and feeders to an earliest Lower Jurassoc (Hettangin to Sinemurian) succession of compositionally intermediate volcaniclastic and related epiclastic rocks which rest unconformable on Triassic strata, and have been assigned to the Hazelton Group. An upper volcanic sequence in the map area, also assigned to the Hazelton Group, is Lower Jurassic in age (Pleinsbachian to Toarcian) This sequence is composed of a bimodal basalt-rhyolite suite which unconformably overlies Stuhinin Group rocks in the southwest and disconformably overlies and locally intrudes, earliest Lower Jurassic volcaniclastic roccks within the northwestern portion of the map area.*

Note that the "northwestern portion of the map area" includes the Castle Project.

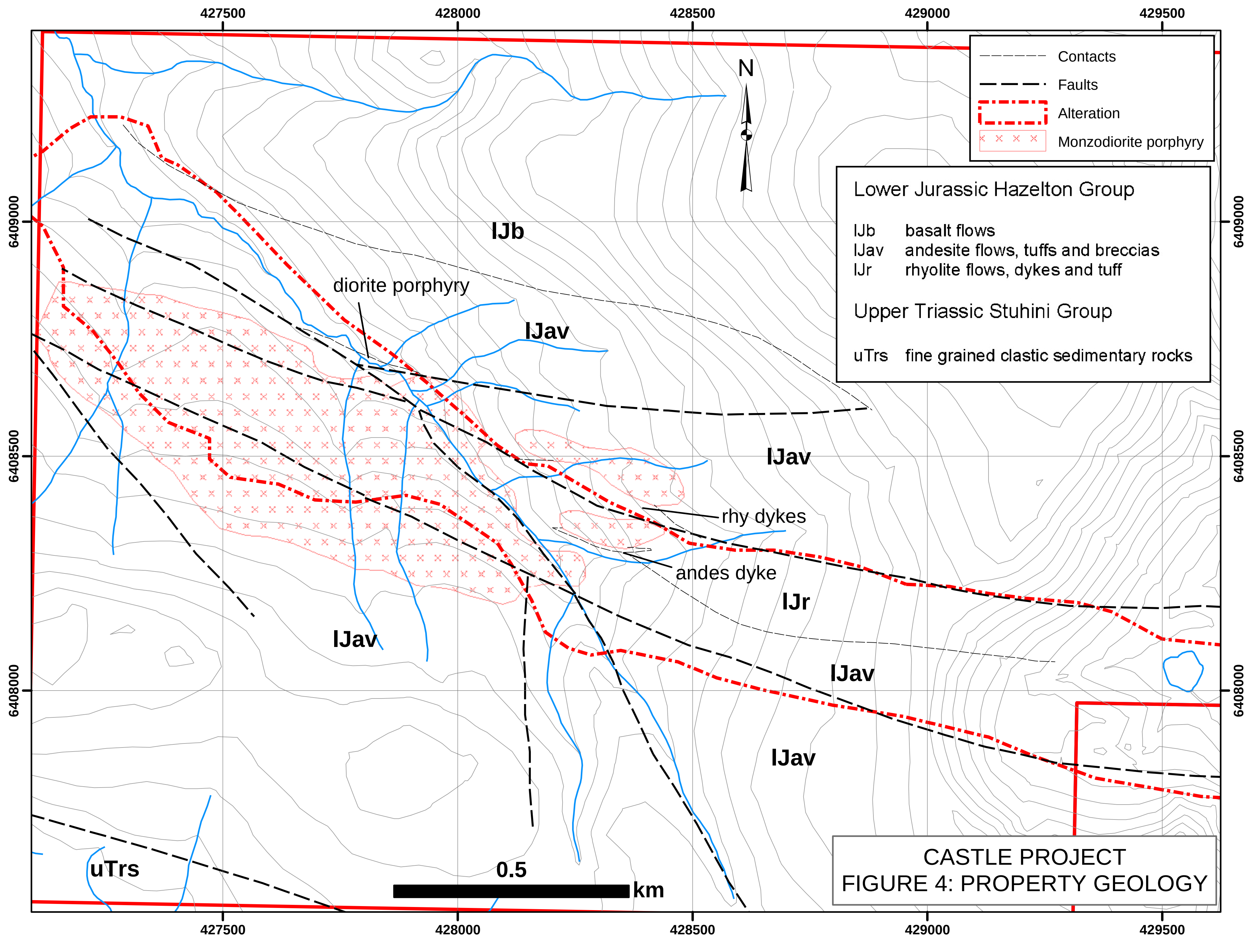
Earliest Early Jurassic (195 to 205 Ma) stocks and dykes are compositionally variable, ranging from hornblende quartz diorite to quartz monzodiorite, and are characteristically medium-grained, equigranular to porphyritic and weather a buff-white to light grey colour. The largest intrusion of this suite is the Red Stock which hosts the Red-Chris deposit. It intrudes Upper Triassic massive volcanic wackes, siltstone and possibly augite-porphyritic basalt within the Red-Chris property.

Within the region several isolated outcrops of Early Pliocene olivine-phyric basalt flows, overlie the Stikinia terrane rocks; one of these occurrences is just north of the Castle property.

The Stikine Terrane is a very well endowed mineral belt with a long history of exploration and mining. The known mineral deposits are characteristic of the magmatic arc environment that persisted from the Paleozoic to the Middle Jurassic. Deposit types include porphyry copper deposits, epithermal precious metal deposits, subaqueous hot spring deposits (Eskay Creek type), intrusive related precious metal veins and volcanogenic massive sulphide deposits. The immediate area surrounding the Castle property hosts two important porphyry copper deposits, GJ and Red Chris (Figure 3). U/Pb dating of the Groat Stock (GJ) and Red Stock (Red Chris) has provided similar ages of 205.1 and 203.8 Ma, respectively. Timing of emplacement of these intrusions (and by analogy, the intrusive rocks at Castle) appears to be related to earliest Jurassic Hazelton Group volcanism, as suggested by Ash above.



CASTLE PROJECT
FIGURE 3: REGIONAL GEOLOGY



CASTLE PROJECT
FIGURE 4: PROPERTY GEOLOGY

6 Property Geology

6.1 Volcanic and Sedimentary Rocks

The Castle property is underlain mainly by Jurassic volcanic rocks of the Hazelton Group, which unconformably overlies or is in fault contact with Stuhini Group sedimentary rocks in the southwestern corner of the property (Ash et al.., 1997a). Hazelton Group comprises mainly andesitic flows, breccias and tuffs, and lesser rhyolite. Three suites of volcanic rocks have been identified on the property in limited mapping outside of the altered porphyry that was the main focus of the 2012 program (Figure 4). An upper unit of basalt flows overlies a heterogeneous mafic to intermediate volcanic package which includes both flows and fragmental rocks, mainly lapilli tuff and tuff breccia. Within this andesitic unit is a felsic unit consisting of orange to pale grey weathering, locally laminated rhyolite flows and hypabyssal rhyolite porphyry dykes. To the south of the rhyolite the andesitic package consists mainly of lapilli tuff and tuff breccia, locally containing conspicuous large clasts of pinkish monzonite to monzodiorite. In places the tuff contains vitric clasts and plagioclase crystals in addition to lithic clasts and may represent a more dacitic composition. The Hazelton Group volcanics overlie or are in fault contact with Upper Triassic Stuhini Group sedimentary rocks in the southwest corner of the property. Overall trend of these units is approximately 100-110^o, dipping moderately to steeply to the north.

6.2 Intrusive Rocks

The volcanics are intruded by a variety of intrusive rocks. The dominant rock type encountered in drilling is a variably altered, monzonitic-monzodioritic porphyry. The porphyry contains 30-40% variably sericite-carbonate or altered feldspar phenocrysts averaging 2-3 mm size, and 10-15% variably chlorite-sericite altered hornblende phenocrysts. No quartz phenocrysts have been observed, suggesting an overall alkalic composition. Groundmass colour is highly variable, ranging from mottled pink-black to dark green to pale green-grey to pale brown depending on the type and intensity of alteration present. In addition, the porphyry exhibits significant textural variation. Trachytic texture is common, whereas in places, a porphyritic texture with coarser grained, randomly oriented phenocrysts predominates. Breccia and breccia-like textures are present locally.

Mafic dykes are common, and comprise two types, including a dark green, plagioclase phyric, carbonate amygdule bearing basalt, and diorite porphyry. Diorite porphyry crops out along the central creek (Figure 4) and is intersected in CA12-02 and CA12-05. It comprises 40-50% pale green feldspar (plagioclase?) phenocrysts set in a dark green, amphibole rich matrix. Mafic dykes are largely post-mineral and unaltered and unmineralized, whereas significant chloritic alteration and weak Au-Cu mineralization is present in the diorite porphyry, suggesting a late but not post-mineral timing. Rhyolite dykes are present in the eastern part of the zone, where they were intersected in CA12-05. Steeply dipping flow lamination has been observed in outcrop.

6.3 Alteration

Various styles of alteration and mineralization typical of Cu-Au porphyry environments are present at Castle. Alteration codes in the drill logs (Appendix B) are differentiated by variations in significant alteration minerals; these assemblages are categorized as:

(1) **Potassic** (+K-feldspar±magnetite±quartz-magnetite veins)

(2) **Calc-potassic** (+epidote±K-feldspar±magnetite±quartz-magnetite veins)

(3) **Phyllic 1** (+sericite±quartz±calcite±pyrite)

(4) **Phyllic 2** (+sericite+chlorite±quartz±calcite±pyrite)

(5) **Propylitic** (+chlorite ±calcite±pyrite)

(6) **Other** (quartz-carbonate veins, clay)

Variable K-feldspar flooding, and magnetite/quartz-magnetite-chalcopyrite veining (potassic alteration) is intersected in several drill holes Chalcopyrite mineralization is intimately associated with zones of magnetite mineralization, often occurring intergrown with magnetite and/or hematite veins/patches, and as disseminations within variably banded quartz-magnetite veins. Near the bottom of CA12-06, potassic alteration grades into calc-potassic with local zones of K-feldspar flooding, widespread patchy epidote and magnetite-biotite?, magnetite matrix breccias, and coarse gypsum-magnetite-hematite veins with pyrite, chalcopyrite and gold.

Phyllic 1 and 2 alteration comprises pale green-grey through variably bleached, texturally destructive zones associated with abundant quartz-carbonate-pyrite veins and disseminated pyrite. Feldspar phenocrysts typically exhibit a pale green through beige colour and “soapy” appearance. Hornblende typically exhibits variable chlorite-sericite alteration, characterized by dark through pale green colour. Pyritic veins in these alteration assemblages are highly variable in nature. Quartz-carbonate-pyrite veins predominate, often comprising quartz-carbonate veins cored by a thin veinlet of pyrite. A distinctive style of veining becomes prevalent in places, comprising pyrite-carbonate-quartz veinlets with grey selvedges that often extend up to 1 cm away from the vein margins. Zones of abundant pyrite veining in phyllic 1 alteration are accompanied by local silicification. Hematite is locally abundant in this alteration facies, where it can be intergrown with quartz-carbonate-pyrite and locally, with chalcopyrite. Tourmaline(?) is locally associated with zones of strong to intense sericite-carbonate-pyrite alteration, often occurring with patches of quartz-carbonate. Gypsum veins are also associated with the sericite-carbonate-pyrite alteration at depth.

Potassic and calc-potassic assemblages appear to represent early stage alteration which is variably overprinted by phyllic 1 and 2. These overprinted assemblages are included in the potassic and calc-potassic groupings in the drill logs where remnant early stage alteration is observed. In some cases remnant potassic or calc-potassic alteration is difficult to discern, and may consist only of, e.g. relict magnetite stringers altered to hematite. Generally the phyllic assemblages are magnetite destructive while the potassic and calc-potassic assemblages contain significant magnetite as stringers, veins and patchy replacements. Vein relationships suggest that phyllic 1 and 2 are multi-episodic alteration facies.

Mineralization consists of chalcopyrite+gold in both quartz-magnetite and quartz± carbonate-sulfide or sulfide-only veins and as disseminations. Molybdenite occurs rarely in veins and as paint on fracture surfaces. Pyrite ranges in concentration from trace amounts to massive sulfide but is ubiquitous throughout the monzodiorite porphyry. Several sets of stockwork-veining are widespread, including:

(1) early magnetite and quartz-magnetite-chalcopyrite, commonly banded,
(2) curviplanar quartz(-calcite-)-pyrite-chalcopyrite-(magnetite/hematite),
(3) planar quartz-pyrite or pyrite with broad (locally >1 centimeter) sericitic halos related to QSP alteration,
(4) variably mineralized calcite(-pyrite-chalcopyrite) veins,
(5) gypsum, mainly late, but in some cases early(?) with magnetite, hematite, pyrite and chalcopyrite (e.g. near the bottom of CA12-06).

Many veins are composite and contain quartz-calcite and sulfides and/or hematite. Barite veins are widespread at surface but were rarely intersected in drill holes. Locally barite veins contain chalcopyrite clots.

6.4 Structure

At this stage of exploration the structure of the Castle property is poorly understood. Numerous zones of faulting were intersected in all drill holes, with particularly strong zones in CA12-01 (253-261 meters), CA12-05 (61.5-75.2 meters) and at the bottom of CA12-06 (311-312.7). The fault at the bottom of CA12-06 resulted in premature termination of the hole within a zone of increasing mineralization. In many cases faults are associated with multiple late to post-mineral dykes, including both mafic and felsic dyke suites. In some cases faults delimit or truncate zones of mineralization or alteration, for example, a zone of K-feldspar flooding in CA12-01 (256-278 meters) and a zone of intense sulfide veining in CA12-05 (71-91 meters). The north edge of the IP anomaly appears to correspond to a zone of strong faulting and multiphase dyke intrusion trending in the core of the main valley.

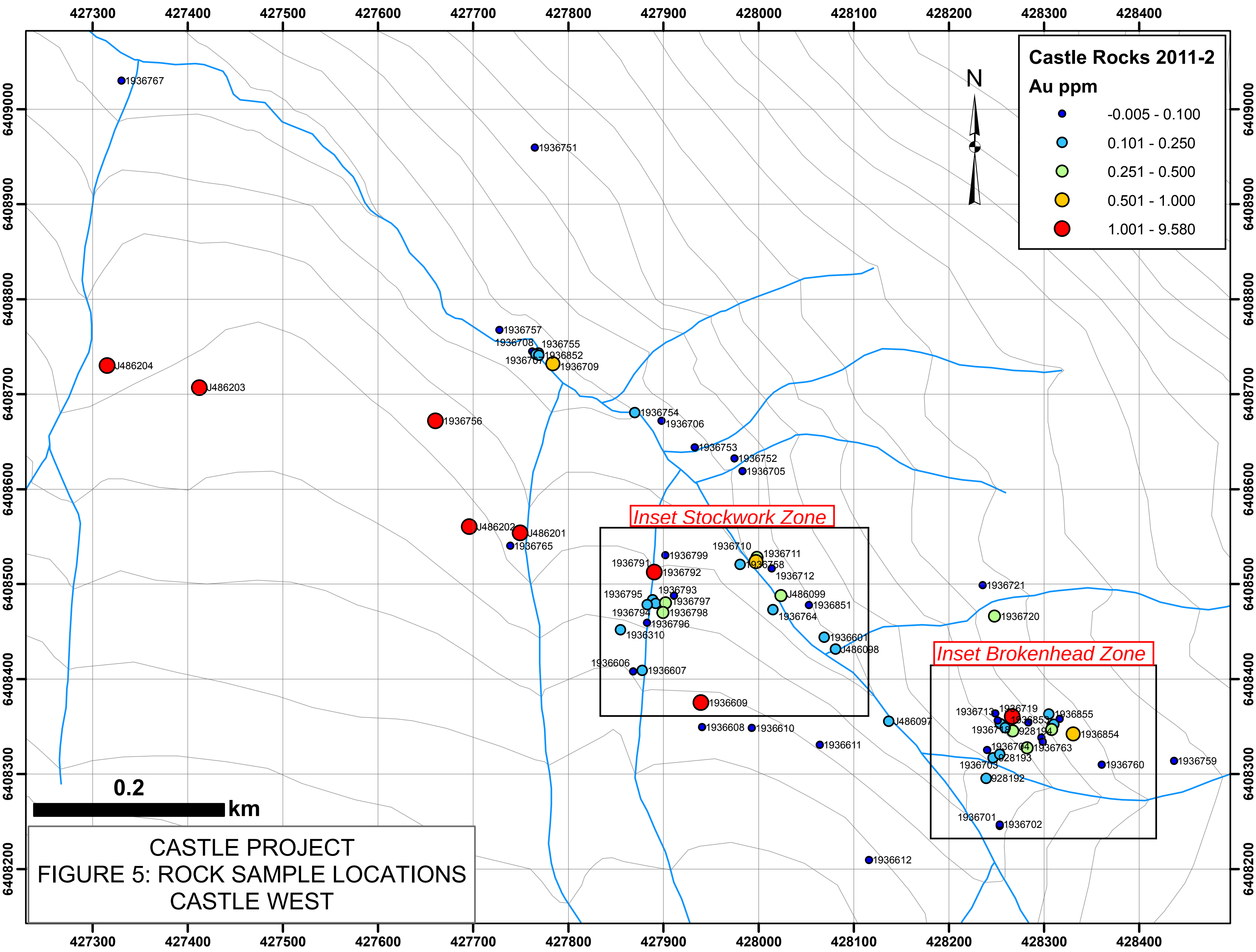
7 Geochemistry

7.1 Procedure

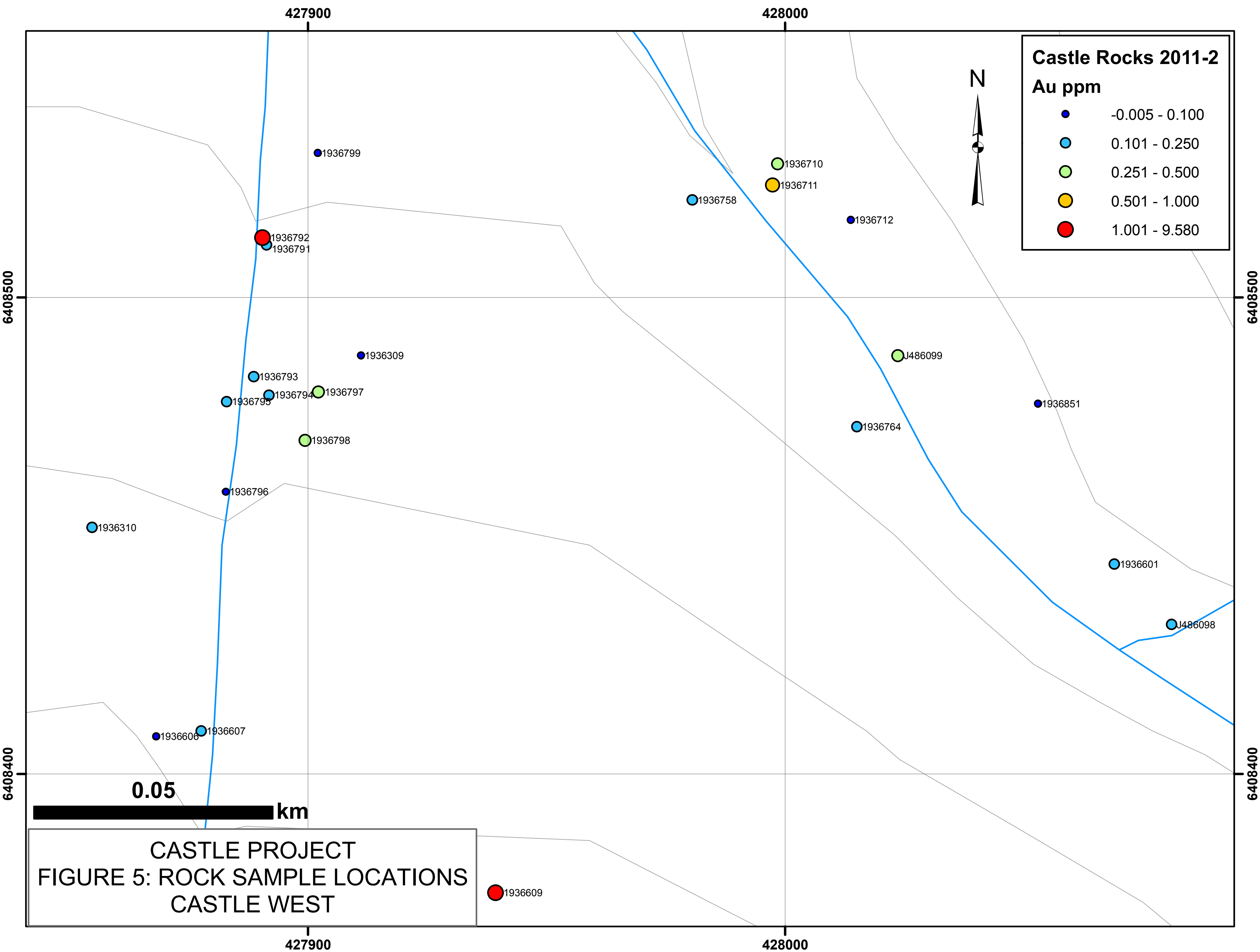
West Cirque collected 93 rock samples from the Castle property in order to help define the character and distribution of various styles of alteration and mineralization. The samples include both selective and representative grabs and continuous chip samples across a specific width. Samples were collected in plastic sample bags and sealed with plastic zip ties. Sample locations were recorded by GPS. Sample locations are marked with flagging tape and embossed aluminum tags. Samples were taken to ALS Chemex Laboratories in North Vancouver, B.C. directly from the project area (2011) or shipped in sealed rice bags with security tags to Acme Analytical Laboratories preparation lab in Smithers, B.C. (2012). These samples were analyzed at Acme's certified facility located in Vancouver.

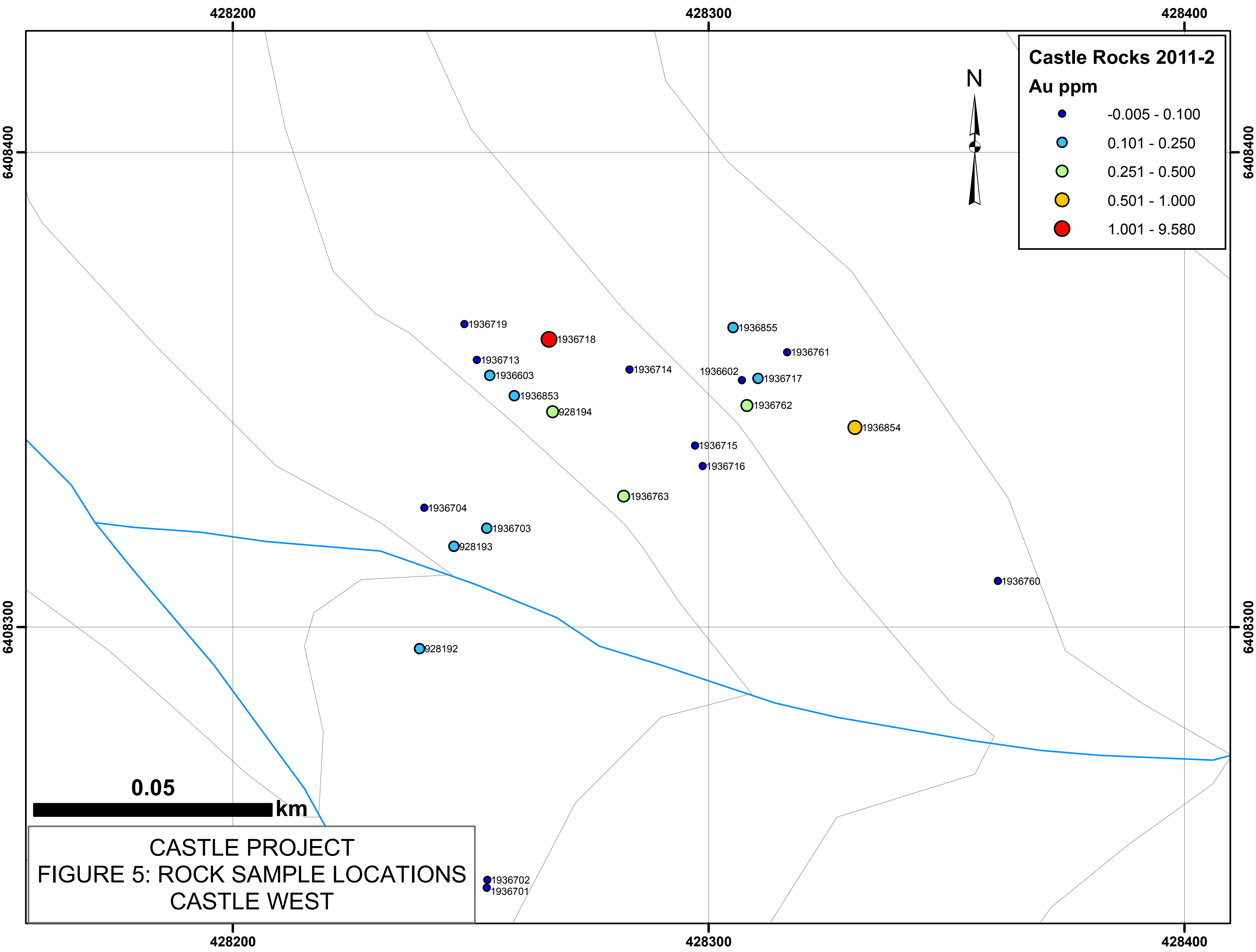
Acme's Quality Management System is compliant with the ISO 9001 Model for Quality Assurance and ISO/IEC 17025 General Requirements for the Competence of Testing and Calibration Laboratories. Samples were analyzed for gold by fire assay fusion with AAS finish, and for 30 elements including copper, molybdenum and silver by ICP using an aqua regia digestion. Quality control at the laboratory is maintained by submitting blanks, standards and re-assaying duplicate samples from each analytical batch.

Rock sample descriptions and analyses are in Appendix A. Sample locations and relative gold values are indicated on Figures 5 and 6.

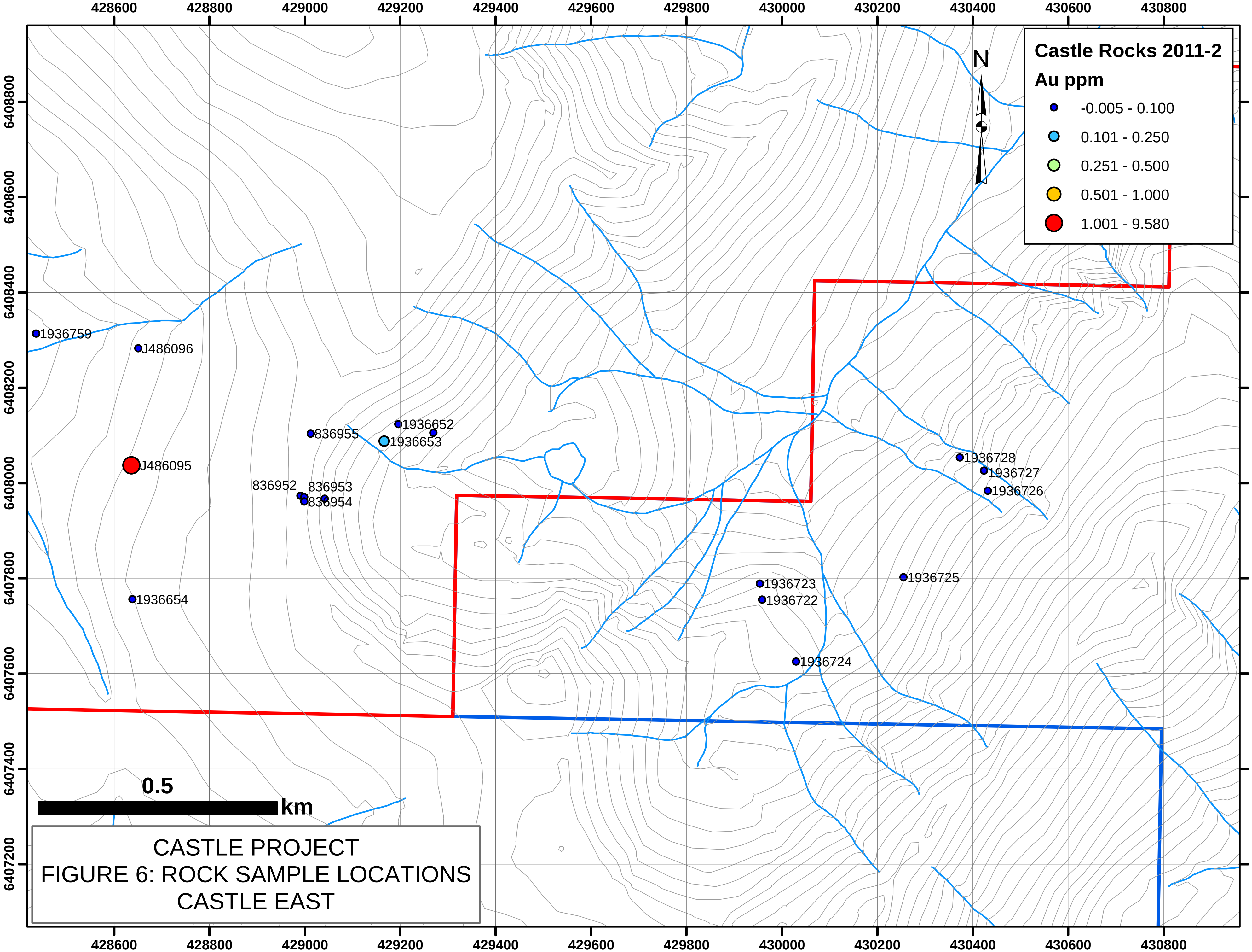


CASTLE PROJECT
FIGURE 5: ROCK SAMPLE LOCATIONS
CASTLE WEST


427900
428000
6408500
6408400
Castle Rocks 2011-2
Au ppm
-0.005 - 0.100
0.101 - 0.250
0.251 - 0.500
0.501 - 1.000
1.001 - 9.580
N
1936799
1936792
1936791
1936309
1936793
1936794
1936795
1936797
1936798
1936796
1936310
1936606
1936607
1936609
1936710
1936711
1936758
1936712
J486099
1936851
1936764
1936601
J486098
0.05
km
CASTLE PROJECT
FIGURE 5: ROCK SAMPLE LOCATIONS
CASTLE WEST



CASTLE PROJECT
FIGURE 5: ROCK SAMPLE LOCATIONS
CASTLE WEST



CASTLE PROJECT
FIGURE 6: ROCK SAMPLE LOCATIONS
CASTLE EAST

7.2 Results

West Cirque's samples confirm extensive historical data indicating widespread copper and gold at Castle. The highest values of 9.58 g/t Au and 0.458% Cu were from a trench in the western part of the zone exposing intense quartz-sericite-pyrite alteration (QSP) with semi-massive pyrite and chalcopyrite. Nine samples returned Au values >1 g/t and eight returned Cu>0.25%. A single float/subcrop sample of lead-zinc mineralization returned >1% Pb and 1% Zn (sample 1956767, Appendix A); this sample consisted of galena-sphalerite bearing quartz veining in a syenitic intrusion and was the only instance of Pb-Zn seen on the property.

Consistently elevated to high grade Au and variable Cu values were obtained from QSP altered porphyry in outcrop over a strike length of about 750 meters. Similar alteration was intersected in drill hole CA12-05 extending the known strike length to over one kilometer. Alteration varies from intense sericite to local massive silica replacement and is associated strong to intense quartz and sulfide (mainly pyrite) veining. The following samples are typical of this style of mineralization:

Table 7.1 QSP alteration, Au and Cu values, Castle Property. Au and Cu in parts per million (ppm).

Sample	**y_proj**	**x_proj**	**Au**	**Cu**	**Au/Cu**
1936609	6408375	427939	1.023	27	378.89
1936756	6408672	427660	1.041	25	416.40
1936791	6408511	427891	0.155	386	4.02
1936792	6408513	427890	2.315	112	206.70
1936799	6408530	427902	0.096	32	30.00
J486201	6408554	427749	9.120	34	2682.4
J486202	6408560	427696	2.070	110	188.18
J486203	6408707	427412	9.580	4580	20.92
J486204	6408730	427315	4.200	381	110.24
Average			**3.289**	**632**	**448.6**

Porphyry with banded quartz-magnetite veins and chalcopyrite was sampled extensively in two outcrop areas, called the Stockwork and Brokenhead Zones. The stockwork zone crops out in and near a creek east of drill hole CA12-04, and consists of sheeted to stockworked banded quartz-magnetite veins to 2 cm with chalcopyrite blebs and disseminations. The outcrop is just above and south of intense QSP chip sampled in 193791 and 193792; the abrupt contact suggests structural control of the overprinting QSP alteration.

Table 7.2 Stockwork Zone, Au and Cu values, Castle Property. Au and Cu in parts per million (ppm).

Sample	**y_proj**	**x_proj**	**Au**	**Cu**	**Au/Cu**

1936310	6408452	427855	0.157	1380	1.14
1936793	6408483	427889	0.174	477	3.65
1936794	6408479	427892	0.163	231	7.06
1936795	6408478	427883	0.218	1388	1.57
1936796	6408459	427883	0.047	452	1.04
1936797	6408480	427902	0.293	898	3.26
1936798	6408470	427899	0.356	1004	3.55
			0.201	**832.9**	**3.04**

About 400 meters east of the stockwork zone, banded quartz-magnetite veins and chalcopyrite in altered porphyry crop out on a talus slope called the Brokenhead Zone. Secondary K-feldspar vein haloes and epidote are present in this zone as well as ankerite and late calcite-chalcopyrite and barite-chalcopyrite veins. The best values were from samples of quartz-magnetite-chacopyrite stockwork, which returned assays up to 1.3 g/t Au and 0.293% Cu (sample 1936718).

Table 7.3 Brokenhead Zone, Au and Cu values, Castle Property. Au and Cu in parts per million (ppm).

Sample	ZONE	y_proj	x_proj	Au	Cu	Au/Cu
928192	Brokenhead	6408295	428239	0.146	27	54.07
928193	Brokenhead	6408317	428246	0.201	541	3.72
928194	Brokenhead	6408345	428267	0.294	649	4.53
1936602	Brokenhead	6408352	428307	0.082	229	3.58
1936603	Brokenhead	6408353	428254	0.188	57	32.98
1936703	Brokenhead	6408321	428253	0.112	371	3.02
1936704	Brokenhead	6408325	428240	0.066	348	1.90
1936713	Brokenhead	6408356	428251	0.059	38	15.53
1936714	Brokenhead	6408354	428283	0.040	107	3.74
1936715	Brokenhead	6408338	428297	0.039	129	3.02
1936716	Brokenhead	6408334	428299	0.073	818	0.89
1936717	Brokenhead	6408352	428310	0.129	559	2.31
1936718	Brokenhead	6408361	428266	1.306	2932	4.45
1936719	Brokenhead	6408364	428249	0.066	578	1.14
1936761	Brokenhead	6408358	428317	0.083	63	13.17
1936762	Brokenhead	6408347	428308	0.327	1804	1.81
1936763	Brokenhead	6408328	428282	0.483	1755	2.75
1936853	Brokenhead	6408349	428259	0.197	679	2.90
1936854	Brokenhead	6408342	428331	0.652	3129	2.08
1936855	Brokenhead	6408363	428305	0.208	1695	1.23
				0.238	**825.4**	**7.9**

About 800 meters southeast of the Brokenhead Zone, monzonite porphyry crops out again on a ridge within a broad area underlain mainly by andesitic lapilli tuff to tuff breccia. The tuff breccia contains pinkish monzonite clasts which locally appear to contain copper mineralization. The monzonite is chlorite-carbonate-epidote altered and contains disseminated chalcopyrite and chalcopyrite in carbonate veinlets. Malachite is widespread. The mineralized zone was initially sampled by Nichol (Mehner, 2005) and is here called the Nichol Zone. The copper mineralization is associated with much lower Au values than is typical for Castle (see Table 7.4).

Table 7.4 Nichol Zone, Au and Cu values, Castle Property. Au and Cu in parts per million (ppm).

Sample	ZONE	y_proj	x_proj	Au	Cu	Au/Cu
836951	Nichol	6407967	429042	0.060	5889	0.102
836952	Nichol	6407973	428991	0.012	4165	0.029
836953	Nichol	6407971	428999	0.010	7470	0.013
836954	Nichol	6407961	428999	0.007	766	0.091
				0.022	**4573**	**0.059**

8 Geophysics

8.1 Ground Magnetics

A ground magnetic survey was conducted from July 27th to July 31st over a 750 meter by 1.8 kilometer grid with 50 meter spaced survey lines, oriented at 020°, approximately magnetic north. The survey grid was laid out by determining coordinates for the endpoints of each survey line and the intersections of the survey lines and the baseline. The coordinates were uploaded to handheld GPS's which were used with compasses to survey and flag the survey lines and the baseline. Results of the survey are displayed in two plots in Appendix F.

Continuous magnetometer readings were taken at two second intervals using a Geometrics 859 cesium vapor magnetometer with an integrated GPS system. The system is mounted on a backpack frame and synchronized magnetic and GPS readings are collected as the operator walks the survey lines. A Geometrics 856 proton procession magnetometer was used as a base station and collected readings synchronized with the field unit at four second intervals for diurnal corrections. The base station was situated between survey lines within the survey grid.

Magnetic relief over the grid was strong, ranging from 56,370 to 58,667 nT. The majority of this relief occurs in the central region of the grid, as part of an elongate west-northwest to east-southeast high that dominates the southern half of the grid. This is interpreted to reflect the magnetic signature of an altered monzodiorite porphyry with variable magnetite content (disseminated and in veins) intersected by the 2012 drilling program. The strong low to the north of this high is likely the result of magnetite destructive QSP (+/-chlorite, carbonate) alteration seen on surface and in drill core. A second large area of magnetic highs is evident in the northeast quarter of the grid. This is also interpreted to represent monzodiorite porphyry. Scattered, small discrete highs along the north and south boundaries of the grid are attributed to mafic volcanic flows.

9 Diamond Drilling

9.1 Drill Hole Locations and Sampling Procedures

The Phase I 2012 drill program at Castle consisted of six drill holes totaling 1777.37 meters. Drill hole collars were spaced at intervals of 200 to 325 meters, with the exception of CA12-03, which was drilled from approximately the same location as CA12-02, but with a different azimuth. Drilling was carried out by Ridgeline Diamond Drilling Ltd of Smithers, B.C. using using a modified Hydracore 1000 drill (NQ core). Helicopter support was provided by Pacific Western Helicopters of Prince George, B.C., with a helicopter based temporarily near Iskut, B.C. Core logging and sampling was carried out from West Cirque’s core facility in Iskut. Drilling took place between June 15 and July 15, 2012. Coring was difficult due to strong faulting and fracturing in most drill holes.

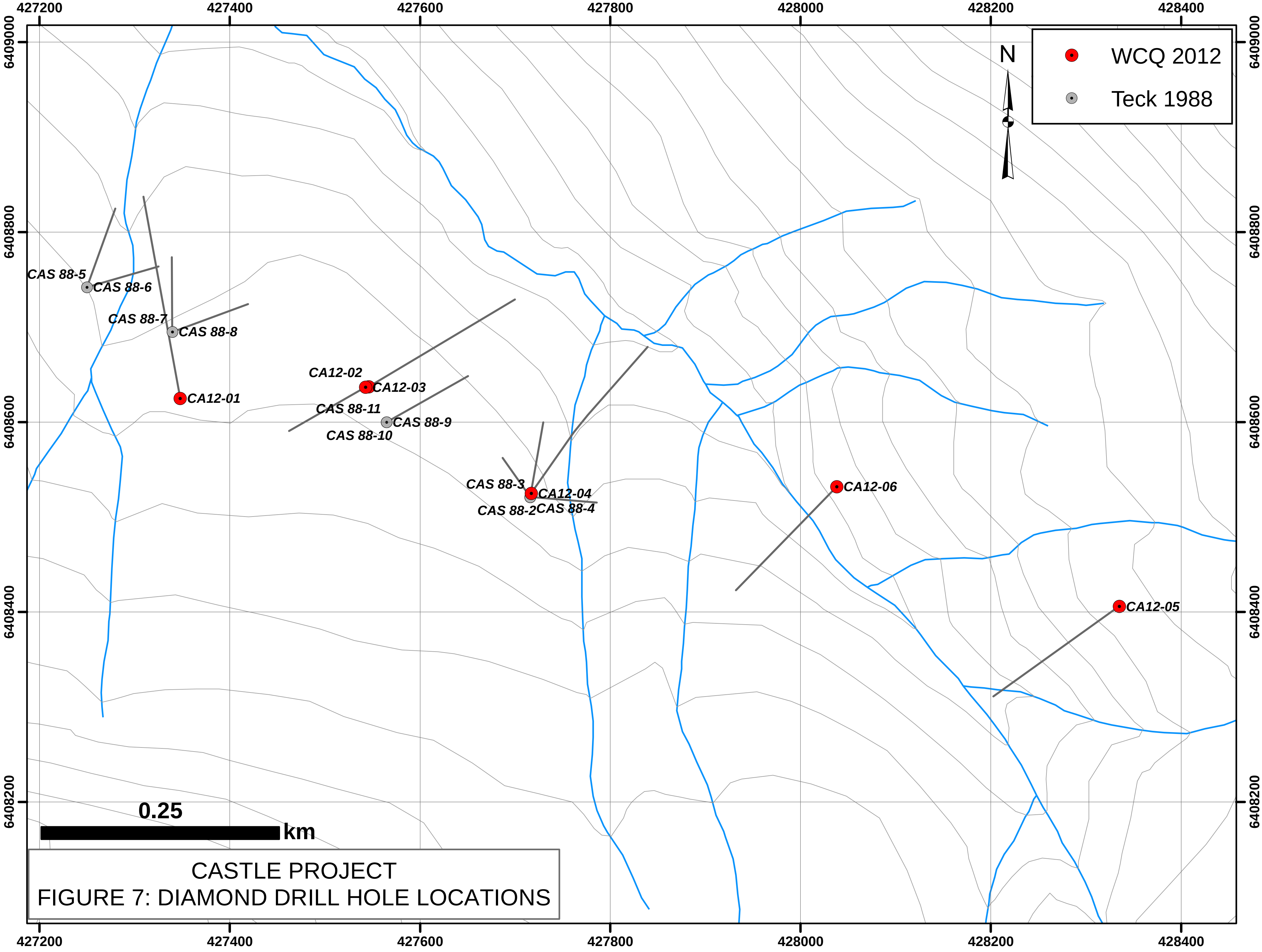
Core was measured and tagged in two meter intervals, then the core was logged prior to being split for sampling. Core logging was performed by a geologist and recorded onto a logging form in Excel. Core logging was focused on the identification of major lithological units and alteration assemblages as well as mineralized intervals and faults. Once identified, the lithological and alteration units were grouped into coded fields in the database. These codes are listed in Appendix B-3.

One half of each sample interval was bagged for assay in plastic sample bags closed with zip ties, while the other half was kept for reference in the core box on site, presently stored in Iskut, B.C. Several samples, depending on weight, were placed in rice bags and security sealed with security tags. Sample duplicates, blanks consisting of crushed landscaping limestone, and copper-gold-molybdenum reference samples (CM-14, CM-21 and CM-22) were inserted every 25 samples into the sample stream. Assay samples were shipped from the logging facility by Bandstra Transportation Systems Ltd. to Acme Laboratories’ sample prep lab in Smithers, B.C., where they were prepped prior to being analyzed at Acme’s analytical laboratory in Vancouver, B.C. The samples are logged in, weighed and crushed to 80% –10 mesh (2 mm), then a 250 gram split is pulverized to 85% –200 mesh (75 microns). Samples were analyzed for gold by fire assay fusion with AAS finish (30 gram sample), and for 34 elements including copper, molybdenum and silver by ICP/ES using an aqua regia digestion. Acme’s Quality Management System is compliant with the ISO 9001 Model for Quality Assurance and ISO/IEC 17025 General Requirements for the Competence of Testing and Calibration Laboratories. Quality control at the laboratory is maintained by submitting blanks, standards and re-assaying duplicate samples from each analytical batch.

Details on hole locations and samples are included in Table 9.1; locations are plotted on Figures 7. Collars, surveys, drill logs, recoveries, RQD’s, samples and assays are in Appendices B-1 through B-5. A plan plot with Au and Cu assays and sections for each drill hole are in Appendix B-6.

Table 9.1 Castle Project 2012 Diamond Drill Hole Locations and Sample Numbers

DDH	Easting	Northing	Elev (m)	Azim	Dip	Length	Samples From	Samples To
CA12-01	427342.00	6408630.00	1736	348	-50	348.08	1935401	1935579
CA12-02	427546.20	6408637.21	1733	60	-50	286.89	1935580	1935723
CA12-03	427542.71	6408636.72	1734	237	-54	165.51	1935724	1935807
CA12-04	427717.00	6408525.00	1727	40	-50	327.36	1935808	1935978
CA12-05	428335.00	6408406.00	1809	233	-60	337.41	1935979	1936143
CA12-06	428038.00	6408532.00	1726	225	-60	312.12	1936144	1936304
						1777.37		



CASTLE PROJECT
FIGURE 7: DIAMOND DRILL HOLE LOCATIONS

9.2 Results

The 2012 Phase I diamond drilling program intersected broad zones of gold-copper mineralization in monzodiorite porphyry over a strike length of 1000 meters. The system is open in all directions. Significant intersections include 1.015 grams per tonne (g/t) Au and 3.9 g/t Ag over 34 meters (CA12-05) and 0.425 g/t Au and 0.20% Cu (0.73 g/t Au equivalent) over 14 meters (CA12-04).

Mineralization is hosted by plagioclase-hornblende phyric monzodiorite (micromonzodiorite) which intrudes mafic to felsic volcanic rocks. The monzodiorite is cut by polyphase quartz-magnetite, quartz-sulfide, carbonate-sulfide and gypsum veins and is extensively altered to quartz-sericite-pyrite (QSP) to calcite-chlorite-sericite-pyrite (CCSP) assemblages (Phyllic 1 and Phyllic 2. An early phase of potassic alteration (potassium feldspar, quartz-magnetite-chalcopyrite veins) was intersected in several drill holes (e.g. CA12-01, 214-240 meters; CA12-02, 8-64 meters; CA12-04, 12-26 meters; and CA12-06, 214-227 meters), where it is generally associated with higher copper grades (see Table 9.2, below). Strong gold enrichment is associated with later magnetite-destructive QSP to CCSP alteration which is accompanied by quartz-pyrite and massive pyrite veins (e.g. CA12-01, 96-120 meters; and CA12-05, 70-104 meters).

Molybdenum is present in drill holes CA12-01, CA12-02 and CA12-04, with values up to 186 ppm over a two meter sample interval. Unidirectional solidification texture (UST) was identified in CA12-01 and is typically found in the apical zone of intrusions; these textures have been documented in high-grade alkalic porphyry gold-copper systems such as Ridgeway and Endeavour, New South Wales.

The extensive QSP/CCSP alteration intersected in the Phase I drill program at Castle may be interpreted as the outer pyritic shell to the porphyry system, but there is considerable evidence, such as coextensive faulting and dyking, of a strong structural control to this overprint. The narrow intercepts of potassic alteration represent the outer edge of a gold-copper enriched core.

Table 9.2 Drill Hole Intersections, Castle 2012 Phase I Drilling:

DDH	From (m)	To (m)	Meters	Au g/t	Cu ppm	Ag g/t	Au eq g/t
CA12-01	20	348	328	0.183	415	0.7	0.252
CA12-01	60	72	12	0.222	1564	1.3	0.458
CA12-01	98	128	30	0.445	278	1.3	0.505
CA12-01	96	106	10	0.993	664	2.9	1.132
CA12-01	208	258	50	0.156	1020	0.6	0.306
CA12-01	214	240	26	0.205	1235	0.6	0.384
CA12-01	306	318	12	0.502	412	1.0	0.575
CA12-02	8	280	272	0.201	567	0.7	0.289
CA12-02	8	64	56	0.256	1143	1.2	0.433
CA12-02	12	32	20	0.357	1402	1.9	0.581
CA12-02	198	280	82	0.328	509	0.9	0.413
CA12-02	204	246	42	0.407	591	1.1	0.506
CA12-02	214	226	12	0.601	1053	1.8	0.775
CA12-03	40	44	4	0.499	33	<0.3	0.500
CA12-04	6.1	296	289.9	0.253	544	1.0	0.345
CA12-04	12	162	150	0.347	873	1.6	0.493
CA12-04	12	62	50	0.371	1016	2.2	0.547
CA12-04	12	26	14	0.425	2011	1.7	0.729
CA12-04	90	162	72	0.392	922	1.2	0.539
CA12-04	124	160	36	0.498	1009	1.9	0.667
CA12-05	6.1	324	317.9	0.283	373	0.9	0.350
CA12-05	26	230	204	0.364	431	1.2	0.443
CA12-05	70	178	108	0.474	347	1.8	0.552
CA12-05	70	104	34	1.015	335	3.9	1.126
CA12-05	86	102	16	1.597	427	5.8	1.752
CA12-05	210	230	20	0.445	1004	1.2	0.603
CA12-06	20	300	280	0.302	304	0.3	0.348
CA12-06	20	72	52	0.427	336	0.3	0.479
CA12-06	20	38	18	0.636	232	0.5	0.676
CA12-06	172	182	10	1.229	372	0.2	1.283
CA12-06	286	310	24	0.486	519	0.4	0.569
CA12-06	292	310	18	0.543	566	0.5	0.628

Au eq (gold equivalent) is calculated using gold, copper and silver prices as folllows: gold - $1500.00/ounce; copper - $3.00/pound; silver - $25.00/ounce. No recovery factors were used.

9.2.1 CA12-01

CA12-01 was collared on June 17, and reached a total depth of 348.08 meters on June 22. It was drilled with a 350 azimuth and -50 inclination with the intention of testing the chargeability high outlined by Teck's IP survey as well as the limits of a high grade mineralized zone sampled at surface (samples J486203-4, Table 7.1) and intersected in Teck hole 88-8 (2.87 g/t Au, 17.3 g/t Ag and 0.11% Cu over 6.7 meters, 17.0-23.7 meters, Table 4.1).

The main lithology encountered is a micro-monzodiorite porphyry which is typically comprised of 30% 1-3mm lath shaped feldspar phenocrysts, and 10-15% 1-2mm sub-euhedral hornblende phenocrysts in an aphanitic green groundmass. Phenocryst alignment in a trachytic texture is common and is typically 20-30 degree to the core axis.

The rock is variably altered: it is commonly altered to calcite-chlorite-sericite-pyrite (Phyllic 2), and less commonly with quartz-sericite-pyrite (Phyllic 1) or potassic alteration. The monzodiorite is cross-cut by several varieties of dykes. Mineralization consists of abundant vein-related and disseminated pyrite, chalcopyrite in veins, and molybdenite in veins and as paint on fracture surfaces. Pyrite ranges in concentration from trace amounts to massive sulfide and averages to about 2-3% volume throughout the hole. Several sets of stockwork veining are present. There is an early set of quartz-calcite-pyrite-chalcopyrite stockwork, a later quartz-sulfide stockwork (possibly related to QSP alteration), a late set of sometimes mineralized calcite veins and stringers, and very late gypsum veins which sometimes contain pyrite but not chalcopyrite. Many veins are composite and contain quartz-calcite and sulfides ± hematite.

The high grade mineralization at surface and in Teck drill hole 88-8 was intersected at 96-106 meters, and consisted of sulfide rich Phyllic 2 to Phyllic 1 alteration. The best section of this zone averaged 1.49 g/t Au, 3.9 g/t Ag and 959 ppm Cu over 6 meters, somewhat lower grade than in 88-8. The copper enriched section from 208 to 258 meters is associated with relict K-feldspar alteration and multi-stage stockwork veining. This section occurs within a possibly structurally bounded lobe of the main western magnetic high. The hole ended in intense QSP + carbonate + tourmaline(?) alteration and brecccia in possible volcanic rocks; the last sample ran 0.415 g/t Au.

9.2.2 CA12-02

CA12-02 was collared about 200 meters east of CA12-01 on June 22nd, 2012, at an azimuth of 060 degrees and a dip of -50 degrees, and was completed on June 27th, 2012, to a depth of 289.89 meters. The hole was offset about 42 meters from a significant intersection in Teck drill hole 88-9 (0.72 g/t Au and 0.08% Cu over 15.1 meters, 69.5-84.6 meters, Table 4.1) and tested a strong Au-Cu soil anomaly downslope to the northeast.

The dominant rock type intersected in CA12-02 is a variably altered, monzonitic-monzodioritic porphyry. The porphyry contains 30-40% variably sericite altered feldspar phenocrysts averaging 2-3 mm size, and 10-15% variably chlorite-sericite altered horneblende phenocrysts. No quartz phenocrysts were observed. Groundmass colour is highly variable, ranging from mottled pink-black to dark green to light green to light brown depending on the type and intensity of alteration present. In addition, the porphyry exhibits significant textural variation. In places, trachytic texture is typical, whereas elsewhere, a coarser grained porphyritic texture with randomly oriented phenocrysts predominates. Breccia and breccia-like textures are present locally.

Mafic dykes crosscut monzodiorite porphyry throughout the hole, and increase in abundance after 100 meters depth. Two types of dyke are present, a dark green, plagioclase phyric, carbonate amygdule bearing basalt, and diorite porphyry. Diorite porphyry does not appear until 240 meters depth, and comprises 40-50% light green feldspar (plagioclase?) phenocrysts set in a dark green, amphibole rich matrix. The basalt dykes are post-mineral while the diorite is variably mineralized. Possible mafic volcanic country rock is intruded by diorite porphyry at the bottom of the hole (280.6-286.82 meters). Diorite porphyry observed in this hole is similar in texture and composition to diorite porphyry mapped in the creek.

Various styles of alteration and mineralization typical of Cu-Au porphyry environments are present in CA12-02. Variable K-feldspar flooding, and magnetite/quartz-magnetite-chalcopyrite veining (potassic alteration) is present from surface to approximately 80 meters, and sporadically after this. Chalcopyrite mineralization is intimately associated with zones of magnetite mineralization, often occurring intergrown with magnetite veins/patches, and as disseminations within variably banded quartz-magnetite veins. This zone corresponds to a narrow lobe of the main magnetic high.

From 80 meters to the bottom of the hole, Phyllic 2 alteration predominates with local zones of remnant potassic alteration. Phyllic 2 alteration comprises pale green through variably bleached, texturally destructive alteration associated with abundant quartz-carbonate-pyrite veins and disseminated pyrite. Pyrite bearing veins in this alteration zone are highly variable in nature. Quartz-carbonate-pyrite veins predominate, often containing a thin core of pyrite. Around 176 meters depth, a distinctive style of pyrite veining becomes prevalent, comprising pyrite-carbonate-quartz veinlets with conspicuous haloes (sericite/silica) up to 1 cm outward from the vein margins. Zones of abundant pyrite veining in the Phyllic 2 alteration are accompanied by local silicification. Hematite veining is locally abundant in this alteration zone, where it can be intergrown with quartz-carbonate-pyrite and locally, with chalcopyrite. Possible tourmaline is locally associated with zones of strong to intense sericite-carbonate-pyrite alteration, often occurring with patches of quartz-carbonate. Gypsum veins are also associated with the sericite-carbonate-pyrite alteration zone, first appearing at 115 meters depth, and becoming increasingly abundant downhole.

The upper zone of quartz-magnetite and relict K-feldspar contains the most significant Cu-Au mineralization, including 0.357 g/t Au, 1.9 g/t Ag and 0.14% Cu over 20 meters (12-32 meters). A zone of possible relict potassic alteration overprinted by intense Phyllic 2 alteration was also intersected at 204-226 meters, returning 0.478 g/t Au, 1.5 g/t Ag, 746 ppm Cu and 56 ppm Mo over 22 meters.

9.2.3 CA12-03

CA12-03 was collared on June 27 and reached a total depth of 165.51 on June 29. It was drilled with a 239 azimuth and -54 inclination with the intention of extending the quartz-magnetite + K-feldspar alteration at the top of CA12-02 and testing a >400 ppb Au in soil anomaly southwest of the collar. Subsequently the magnetic survey has demonstrated that the drill hole is collared on the edge of the narrow magnetic high tested by CA12-02 and cores out of it almost immediately.

The main lithology encountered is micro-monzodiorite porphyry. The rock is variably altered with rare potassic and more pervasive Phyllic 2 alteration which grades into stronger Phyllic 1 in places. Copper mineralization in CA12-03 is sparse and through most of the hole chalcopyrite is somewhat randomly distributed in late banded calcite-quartz-hematite ± chlorite ± pyrite veins. Generally these veins are less abundant in Phyllic 1 alteration. Chalcopyrite is also present in calcite stringers in the top 36 meters. Pyrite is pervasive through the porphyry and ranges from 1-7% volume (higher in a few localized zones). It usually occurs disseminated, in calcite-pyrite, chlorite-pyrite, or calcite-hematite-quartz-pyrite veins, and in QSP zones it forms a stockwork of 1-2 mm pyrite stringers and occasionally thicker pyrite bands; areas with strong chlorite alteration also have abundant pyrite.

The best gold mineralization in the hole (0.499 g/t Au over 4 meters) is at 42-44 meters where relict K-feldspar alteration was observed. Mineralization also occurs at the end of the hole, where a banded calcite-quartz-hematite-chalcopyrite vein ran parallel to the core. The last sample therefore ran 0.182 g/t Au and 906 ppm Cu.

9.2.4 CA12-04

CA12-04 was collared about 200 meters southeast of CA12-02 on June 29th, 2012, at an azimuth of 040 degrees and a dip of -50 degrees, and was completed on July 3rd, 2012, to a depth of 327 meters. The hole was designed to test mineralization found at surface (e.g. 9.12 g/t Au in J486201) and encountered in Teck drill holes 88-1 through 88-4 (e.g. 0.95 g/t Au and 0.18% Cu over 6.1 meters, 23.8-29.9 in 88-1, Table 4.1), and to test for the source of strong downslope soil anomalies, up to 840 ppb Au and 805 ppm Cu.

As in CA12-02, the dominant rock type encountered in CA12-04 is a variably altered monzonitic-monzodioritic porphyry. Groundmass colour is highly variable, ranging from mottled pink-black to dark green to light green to light brown depending on the type and intensity of alteration present. In addition, the porphyry exhibits significant textural variation. In places, trachytic texture is typical, whereas elsewhere, a coarser grained porphyritic texture with randomly oriented phenocrysts predominates. Breccia and breccia-like textures are present locally. Variably chlorite-sericite-pyrite altered mafic volcanic rocks are present locally near the bottom of the hole, and probably represent small screens of country rock exposed near the variably brecciated margins of the intrusion.

As in CA12-02, mafic dykes crosscutting monzodiorite porphyry increase in abundance downhole. Mafic dykes comprise two types, including a dark green, plagioclase phyric, carbonate amygdule bearing basalt, and diorite porphyry. Diorite porphyry does not appear until 220 meters, and comprises 40-50% light green feldspar (plagioclase?) phenocrysts set in a dark green, amphibole rich matrix. An additional suite of dyking not present in CA12-02 occurs near the end of CA12-04. This suite comprises an orange-green, variably K-feldspar phyric trachyte-syenite-monzodiorite. These dykes often exhibit aphyric, chilled margins, and become increasing K-feldspar phyric towards the interiors where they can contain as much as 30-40% bright orange K-feldspar phenocrysts up to 3 mm size. In places, these dykes are brecciated, with local zones of chlorite and sericite alteration, indicating that it might be related to a mineralizing suite of intrusions.

As in the upper part of CA12-02, potassic alteration and associated chalcopyrite mineralization is present near the top of the hole. Here, variable K-feldspar flooding, magnetite/quartz-magnetite-chalcopyrite veining and malachite fracture coating is present down to approximately 21 meters depth, with sporadic zones of K-silicate alteration occurring locally downhole. Chalcopyrite mineralization is associated with zones of magnetite mineralization, often occurring intergrown with magnetite veins/patches, and as disseminations within variably banded quartz-magnetite veins. From 21 meters through the bottom of the hole, phyllic alteration predominates with local zones of relict K-feldspar-magnetite. Similar to CA12-02, sericite-carbonate-pyrite alteration comprises light green through variably bleached, texturally destroyed zones associated with abundant quartz-carbonate-pyrite veins and disseminated pyrite. Pyrite bearing veins in this alteration zone are highly variable in nature. Quartz-carbonate-pyrite veins predominate, often comprising quartz-carbonate veins cored by a thin veinlet of pyrite. Around 67 meters, a distinctive style of pyrite veining becomes prevalent, comprising pyrite-carbonate-quartz veinlets with conspicuous sericite/silica halos. Similar veins appear at 176 meters depth in CA12-02. Zones of abundant pyrite veining in the sericite-carbonate-pyrite zone are accompanied by local silicification. Hematite veining is locally abundant in this alteration zone, where it can be intergrown with quartz-carbonate-pyrite and locally, with chalcopyrite. Tourmaline is locally associated with zones of strong to intense sericite-carbonate-pyrite alteration, often occurring with patches of quartz-carbonate. Gypsum veins are also associated with the sericite-carbonate-pyrite alteration zone, first appearing at 241 meters, and becoming increasingly abundant downhole. Weak epidote alteration coincides with phyllic 2 alteration at depth, first occurring at 239 meters, and sporadically thereafter.

CA12-04 intersected significant Cu-Au mineralization, including 0.371 g/t Au and 0.10% Cu over 50 meters (12-62 meters), and 0.498 g/t Au and 0.10% Cu over 36 meters (124-160 meters). The best single sample from the upper section ran 1.17 g/t Au, 4.8 g/t Ag and 0.55% Cu over 2 meters (20-22) near the bottom of the zone of potassic alteration. Overall grade of the hole is diminished by significant intervals of dyking, especially at 162-190, 226-236 and 264-270 meters.

9.2.5 CA12-05

CA12-05 was collared 625 meters east of CA12-04 on July 5, 2012 and reached a total depth of 337.41 meters on July 9, 2012. It was drilled with a 235 azimuth and -60 inclination to test the continuity of surface mineralization (Brokenhead Zone, see Table 7.3) to depth. Teck's sampling of talus fines in this area returned the highest Au values in the soil survey (up to 1400 ppb Au with 700 ppm Cu).

The drill hole intersected intermediate volcanics at the top and bottom of the hole, and strongly altered intrusive feldspar-hornblende monzodiorite porphyry (about 70-250 meters), with abundant mafic and felsic dykes intruding both rock-types. The drill hole was collared in a broad fault zone extending to about 75 meters depth. The zone is intruded by multiple syn- to post-fault dykes, including both felsic (45-54, 65-71) and mafic to intermediate (54-65) varieties. The hole ended in a crowded feldspar porphyry dyke (322-337.31 meters) which may be a variant of the diorite porphyry intersected at depth in CA12-02 and CA12-04.

Significant porphyry style alteration and mineralization was encountered in CA12-05, including intense phyllic 1 to 2 alteration with associated pyrite in the upper part of the hole and relict potassic alteration below this at 147-159, 177-202 and 209-227 meters. Throughout the hole early alteration is overprinted by intense QSP which includes sections of massive and semi-massive pyrite, especially at 88.6-90 meters. Chalcopyrite and is present in a variety of mainly carbonate ± quartz ± pyrite veins.

The QSP with massive pyrite veins intersected below the upper zone of faulting/dyking contains significant gold mineralization, including 0.78 g/t Au, 3.1 g/t Ag and 351 ppm Cu over 54 meters (70-124). Better copper grades are encountered deeper in the hole and are associated with relict K-feldspar alteration, including 20 meters of 0.445 g/t Au and 0.10% Cu at 210-230 meters. As in CA12-04, significant intervals of dyking cause considerable grade dilution in an otherwise well mineralized drill hole.

9.2.6 CA12-06

CA12-06 was on July 9 and reached a total depth of 312.72 meters on July 14, 2012. It was drilled with a 225 azimuth and -60 inclination. It was designed as an in-fill hole to assess the continuity of altered and mineralized porphyry between holes CA12-05 (325 meters to the southeast) and CA12-04 (320 meters to the west).

CA12-06 collared in altered monzodiorite porphyry and ended in a fault zone which is oriented 18° to the core axis. A small amount of gravel-sized pieces of core which were recovered from the far side of a 1 meter section of fault gouge at the bottom of the hole indicate that altered intrusive porphyry is present on the opposite side of the fault. Alteration ranges from weakly to intensely K-feldspar+magnetite±epidote altered, and has a non-pervasive but sometimes intense phyllic 2 overprint. Where the phyllic 2 overprint is most intense it culminates in a phyllic 1 (QSP) assemblage with sections of quartz-pyrite veining and silicification. Calc-potassic (K-feldspar + epidote) alteration increases towards the bottom of the hole and is accompanied by a significant increase in the competency of the core at 240 meters depth. This alteration is accompanied by dense gypsum veining and a quartz ± magnetite/hematite veins to local stockwork. Near the bottom of the hole, just before intersection of the terminal fault, alteration includes variable K-feldspar flooding, magnetite matrix breccias, coarse gypsum-magnetite-hematite veins with pyrite, chalcopyrite and a speck of visible gold, and possible intense fine-grained biotite alteration.

Significant gold mineralization near the top of the hole is related to intense phyllic alteration and is accompanied by little copper (e.g. 0.54 g/t Au and 220 ppm Cu over 24 meters, 20-44 meters). An interval of strong silica-pyrite alteration and brecciation at 172-182 meters averages 1.23 g/t Au and 372 ppm Cu over 10 meters. The quartz and quartz-magnetite veining accompanying calc-potassic to potassic alteration at the bottom of the hole results in slightly higher Cu and significant Au (e.g. 0.545 g/t Au and 566 ppm Cu over 18 meters, 292-310 meters). Individual assays as high as 0.14% Cu and 0.684 g/t Au over 2 meters (302-304 meters) are present within this interval.

10 Conclusions and Recommendations

The 2012 program at Castle has demonstrated the following:

(1) widespread polyphase veining is related to multi-episodic alteration;
(2) the widespread copper and gold documented by previous explorationists is related to an alkalic porphyry Cu-Au system with similarities to nearby deposits, Red Chris and GJ;
(3) elevated Cu-Au values are related to potassic alteration, quartz-magnetite veining and magnetic highs;
(4) widespread magnetite destructive phyllic alteration is strongly associated with pyrite and gold, and is probably in part structurally controlled;
(5) the existing drill pattern has tested only the margins (CA12-04) and narrow lobes (CA12-01, CA12-02) of the main western magnetic high; a similar magnetic high to the east has not been tested;
(6) potassic alteration and quartz-magnetite-chalcopyrite stockwork crops out between CA12-04 and CA12-06 (see Stockwork Zone, section 7.2);
(7) strong copper mineralization is present in intermediate tuffs and monzonite porphyry 800 meters southeast of the easternmost drill hole (CA12-05; see Nichol Zone, Section 7.2).

Further drilling is warranted. In particular, magnetic highs which could correspond to untested portions of the porphyry system are priority targets. Integration of magnetic and induced polarization data would be useful in order to characterize and delimit chargeable near surface alteration zones. Given the great vertical extent and deep Cu-Au grade enrichment demonstrated in significant B.C. porphyries in recent years, deeper drilling (>500 meters) is also justified.

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Appendix A Rock Sample Assays and Descriptions

Sample	y_proj	x_proj	Date/time	Elev	Description	Lab	Wt kg	Au	Mo	Cu
928192	6408295.44	428239.22	15-JUN-12 10:48:27AM	1760	variably silicd chl-ser alt intrus cut by sx stringers, clots, py to 5%	Acme	1.87	0.146	7	27
928193	6408316.99	428246.46	15-JUN-12 11:43:30AM	1751	alt monz 2-4% clotty py tr-0.5% cp, chl-ser alt pervas, float crdd Ksp por	Acme	1.24	0.201	8	541
928194	6408345.33	428267.22	17-JUN-12 3:39:22PM	1775	Sample collected from talus in the east porphyry discovery outcrop. Looks like K-feldspar phyric, or altered, monzonite x-cut by abundant quartz-calcite stringers with chalcopyrite + malachite + disseminated pyrite.	Acme	1.82	0.294	11	649
928195						Acme	1.25	0.086	7	568
1436767	6409030.02	427330.32	05-JUL-12 11:34:39AM	1656	Hb syen, seams gn	Acme				
1936309	6408487.80	427911.10	10-AUG-12 10:52:27AM	1734	intense sil brx, py	Acme	1.35	0.060	3	77
1936310	6408451.72	427854.76	10-AUG-12 11:32:12AM	1753	small pit, mzdi wk qtz-mt, diss Cp, Ht, mal frct	Acme	1.00	0.157	5	1380
1936601	6408444.00	428069.00		1780	Silicified sample, QSP alteration. Chlorite, Pyrite ~5% (disseminated and stringers), +/-chalcopyrite	Acme	2.15	0.250	8	543
1936602	6408352.00	428307.00		1793	Pyrite, Chalcopyrite, Qz-Magnetite veins	Acme	2.02	0.082	20	229
1936603	6408353.00	428254.00		1779	Silicified sample, QSP alteration. Chlorite, Pyrite, +/-chalcopyrite	Acme	1.96	0.188	4	57
1936606	6408407.87	427868.19			South/uphill from stockwork zone in talus. Have abundant stockwork zone in talus. Have abundant ferricrete containing clasts of hbl phyric monzodior porph with mag and mal and mag veinlets in places. Some QSP altered clasts, too. Picture: 102-2945. Cominco sample is spray painted here. "53..."?	Acme	1.05	0.084	14	243
1936607	6408409.00	427877.62			Just meters to east of last. Have small creek o.c. of ser and chl and carb altered monzodior porph. Grey green. Qtz-cpy stockwork with very blebby cpy in places. Up to 0.5% cpy in places.	Acme	1.87	0.100	17	437
1936608	6408349.23	427940.63			Mod to strongly chl plus ep altered monzodior porph with qtz-carb-cpy stockwork. Cpy seems mostly localized to western portion of o.c. Out of mag high.	Acme	1.77	-0.005	-1	33
1936609	6408375.05	427939.31			Rusty sbcrp to north/downslope of last. Intense QSP. 10-15% py dissem with silica. Textural destruction.	Acme	1.05	1.023	3	27
1936610	6408348.52	427992.85			Monzodior porph o.c., strong chl plus epidote with low-mod vein density qtz-carb stockwork. No sulphides seen.	Acme	1.33	-0.005	-1	4
1936611	6408330.68	428064.32			Talus since last point. Monzodior porph with strong chl plus ep alteration. Mod qtz-carb plus/minus cpy stockwork. Trace cpy in qtz-carb veins. Talus sample.	Acme	1.33	-0.005	-1	75
1936612	6408209.50	428115.94			Float of finer grained chl plus ep altered monzodior porph (?) riddled with coarse grained carb-qtz veins up to 1 cm width containing abundant blebby cpy to 2-3 mm size.	Acme	2.09	-0.005	-1	578
1936651	6408105.38	429269.69	20-JUN-12 8:44:22AM	1839	talus below andes-fels volc cont, qtz-cb-py vns to loc stkwk in fels volc, loc rusty	Acme	1.74	-0.005	-1	15
1936652	6408123.57	429196.08	20-JUN-12 9:06:05AM	1880	steeply dipping cont between mass fels volc and QSP to CP alt alt andes lith lap tuff, 3-5%, clotty diss py	Acme	1.32	0.013	-1	85
1936653	6408087.73	429166.79	20-JUN-12 9:37:50AM	1888	subvert shr rusty QSP goss shr zn 120/90	Acme	1.13	0.13	2	164
1936654	6407756.19	428638.75	20-JUN-12 11:16:33AM	1905	epid+ht-sil matrix brx, thin sil stringers	Acme	1.22	0.005	-1	1
1936655						Acme	1.12	-0.005	-1	37
1936701	6408245.09	428253.38			Talus slope. A mix of lithologies. Some andesitic lap tuff and bx. Also ksp porph (monz?). 20-30% ksp phenos to 3-4 mm size. Highly magnetic. Trace sulphides in green-grey matrix. Carb patches to 3-4 mm size. Sample is float of ksp phyric monz porph with trace sulphides. Rep as well.	Acme	1.01	0.008	-1	18

Sample	y_proj	x_proj	Date/time	Elev	Description	Lab	Wt kg	Au	Mo	Cu
1936702	6408246.76	428253.50			Same location as above. More altered, py/pyrrh rich porph. Mod to strong ser and chl and epidote. Protolith unknown. Intermed volc or monz intrusive?	Acme	0.96	0.037	1	191
1936703	6408320.81	428253.34			Talus slope of dominantly py rich plus hem and chl altered mafic volc. Up to 5-10% py as dissem. Some large blebs to 3-4 cm size. Also float with nice, cockscomb calcite. Cpy blebs in calcite. Just uphill from where UB found intensely QSP altered monz porph float with 0.5-1% cpy blebs. Impressive float in creek. Crowded ksp plus plag porph in float with highly magnetic matrix.	Acme	0.77	0.112	2	371
1936704	6408325.13	428240.24			Talus of pervasively chl plus ser plus py plus cpy altered mafic volcanic. Silicified clots with coarse grained euhedral py plus/minus cpy up to 1-2 mm size. Mal staining. 3-5% py plus cpy; less than 0.5% cpy.	Acme	1.00	0.066	10	348
1936705	6408619.00	427983.00			Monz porph. Crowded porph with 60-70% ksp phenos. Highly magnetic. Ser plus ep plus chl plus py alteration. Up to 0.5% py with trace cpy in places. Cut by qtz-ep veins.	Acme	1.13	-0.005	-1	18
1936706	6408672.00	427898.00			Ferricrete above creek. Check for oxide Au. Clasts in ferricrete could be either/both intermediate porph or volcanic.	Acme	1.10	0.044	4	263
1936707	6408745.00	427762.00			More QSP alteration on N side of creek. Creek float is interesting. Some QSP float boulders of semi-msv sulfide (30-40% pyrite) with siliceous matrix. Tony sampled this. Also carb veinlets with malachite staining containing large blebs of cpy, similar to earlier stations today.	Acme	0.97	0.017	-1	3816
1936708	6408743.35	427768.72			Float of heavily mag veined monz porph. Cut by late qtz-ep veins. Mag altered to hem on vein margins? No sulphides visible. Some float is pink stained (monz porph?) with tonnes of cpy. Sample is float of mag veined monz porph with qtz-ep veinlets. Cpy in qtz vein. Great rep!	Acme	0.75	0.198	2	87
1936709	6408731.95	427783.77			More creek float. Monz porph with sheeted QVs at 3 mm/10 mm or less. Trace to 0.1% cpy in QVs. Very nice!	Acme	0.69	0.674	2	773
1936710	6408528.03	427998.42			Monz porph with qtz-cpy stockwork in float/talus. Trace cpy.	Acme	1.12	0.326	5	628
1936711	6408523.60	427997.35			QSP boulders/subcrp in ck. 10% stringer plus dissem py plus/minus cpy. Juxtaposed with unaltered mafic volc. Mafic volc = dike?	Acme	0.91	0.580	17	332
1936712	6408516.27	428013.72			QSP rib x-cutting vesicular basalt with carb amygs. X-cutting is apparent in o.c.? QSP rib is hosted in hbl-ksp monz porph. Local qtz veins on margin of rib contain blebby cpy. QSP zones are monz porph dikes? Picture: 102-2816 ->056 deg.	Acme	1.02	0.043	-1	47
1936713	6408356.29	428251.30			Rusty talus slope with rusty o.c. at top. Slope loaded with monz porph with banded qtz-mag plus cpy veins up to 1.5-2 cm thick. K-silicate alteration. Same lithologies in o.c. Great stockwork!! Pic: 102-2817: Vert qtz veins, 20-30% hbl phenos/laths to 1 cm size, avg 2-3 mm. Kfsp phenos abundant.	Acme	1.08	0.059	4	38
1936714	6408354.24	428283.36			Chl plus hem plus/minus kfsp plus carb altered mafic volc or finer grained monz porph (hbl phyric) with 1-3% dissem blebby py plus cpy. 0.1% blebby dissem cpy, up to 2 mm size. Similar to mineralization downslope. Cpy plus py assoc with zones of silica and hem plus/minus ser (green min).	Acme	1.20	0.040	2	107

Sample	y_proj	x_proj	Date/time	Elev	Description	Lab	Wt kg	Au	Mo	Cu
1936715	6408338.22	428297.14			Altered mafic volc? Dark green-grey. Strong chl plus py alteration. 3% pyrite as f.g. dissem, blebs and stringers. Cpy with mal-az in float. Relict porph texture? Sample is not float. Chl and py altered mafic volc or porph? Strong ser alteration in places. Patchy, grey ser alteration (with py dissem) set in chl background.	Acme	1.34	0.039	13	129
1936716	6408333.92	428298.74			Float of monz porph. 30% hem and ser altered fsp phenos up to 3 mm size, strongly altered. Plag or kspar? 70% mafic phenos, mostly hbl laths (chl altered, up to 2-4 mm size). 0.1% dissem cpy blebs up to 1.5 mm size. Pervasive carb alteration.	Acme	1.16	0.073	15	818
1936717	6408352.37	428310.38			Nice o.c. of strongly chl plus py plus/minus ser altered mafic volc or porph? X-cut by qtz-mag veins up to 5 mm width containing cpy. Abundant high grade float close by. Bruno sampled this, too. Patches of intense QSP.	Acme	1.23	0.129	21	559
1936718	6408360.57	428266.44			At top of talus slope. Nice m.g. ksp plus hbl phyric monz porph with qtz-mag-cpy stockwork veins to 1 cm size. Picture: 102-2818: Qtz-mag cpy stockwork. More mineralized monz porph must be up slope of here.	Acme	1.32	1.306	13	2932
1936719	6408363.81	428248.66			More monz porph talus with qtz-mag-cpy stringers. As per above.	Acme	1.15	0.066	20	578
1936720	6408466.12	428247.99			O.c. of mal stained bull qtz. Contains blebby cpy @ 2%. Qtz and barite? Hosted in beige felsic volcanic (rhy tuff?). Picture: 102-2821 -> 80 deg.	Acme	1.21	0.457	-1	2510
1936721	6408498.74	428235.61			Hbl and fsp phyric porph. Looks like host porph to mineralization in area. Has very weak qtz stockwork and trace py. Weak ser alteration. Cut by qtz-carb veins with trace cpy.	Acme	1.45	0.018	3	134
1936722	6407754.95	429958.82			Small zone of QSP o.c. in snow. Up to 3-5% py plus/minus cpy as dissem and blebs. Chl patches in places. Altering mafic volc?	Acme	1.21	0.032	3	21
1936723	6407788.81	429954.13			On north face of rusty o.c viewed from chopper pad. Have diorite porph (?), intensely QSP altered with 5-10% dissem py. Chl and ser alteration of mafics. Abundant limonite and goethite fracture coatings. QSP float has hbl phenos. Very similar to porph on Castle West.	Acme	0.94	0.014	13	53
1936724	6407625.10	430029.97			Small o.c. in creek of strongly QSP altered monz/diorite porph. X-cutting chl and hem altered mafic tuff breccia. Tuff bx is heterolithic with light green and dark green clasts in hem altered plag rich matrix. Minor malachite on fracture surface of mafic volcaniclastics. Picture: 1022831: Malachite stain in mafic volcaniclastics; 102-2832 -> 329 deg: QSP altered monz-diorite porph dike x-cutting mafic volcaniclastics. Porphyry or volcaniclastics? Clasts of xtals are lined with silica coating.	Acme	1.04	0.025	2	5
1936725	6407802.33	430255.06			Talus float of intensely epidote altered mafic volc. (?); sugary textured with abundant mal plus qz plus spec hem (potential sulphosalts -> Tony Barresi) stingers. Potential molybdenite?	Acme	1.02	0.033	-1	3542
1936726	6407983.74	430431.86			Intensely QSP altered mafic volc or porph? 5% py dissem and stringers. Huge zones of QSP cut by mafic dikes. Pictures: 102-2835, 2836, 2837, 2838, 2839, 2840	Acme	1.51	0.093	2	200
1936727	6408026.19	430423.97			As per above. Trace mal. Vestiges of chl altered mafic volc as pods in QSP. Intense alteration. Very dense limonite and goethite fractures at 1 mm/ 5 mm-10 mm.	Acme	0.95	0.027	-1	216
1936728	6408053.43	430373.13			As per above. Can see mafic dike x-cutting QSP in gully wall. Picture: 102-2841 -> 360 deg: Mafic dike x-cuts QSP alteration.	Acme	0.90	0.044	36	305

Sample	y_proj	x_proj	Date/time	Elev	Description	Lab	Wt kg	Au	Mo	Cu
1936751	6408959.67	427764.82	15-JUN-12 11:26:38AM	1736	Probable Boulder of highly altered rock - sea-green and pink in colour with epidote, silica, carbonate and chlorite overprinting feldspar porphyry	Acme	1.42	0.008	5	14
1936752	6408632.36	427974.64	15-JUN-12 2:20:55PM	1720	plagioclase and kspar (possibly) phyric porphyry with holocrystaline groundmass - magnetic. Probably intrusive. Sample is of strongly epidote and calcite altered zone.	Acme	0.76	0.006	-1	4
1936753	6408644.00	427933.00	0	0	Feldspar porphyritic holocrystaline rock (intrusive). Propylitic alteration. On west side of gully	Acme	0.88	0.009	-1	16
1936754	6408680.65	427869.80	15-JUN-12 2:57:26PM	1687	East side of long QSP zone which appears to follow creek. Sharp contact with intrusive unaltered rock which gives the appearance of the QSP zone as a skin along the N side of creek. 5-10% 1mm py dis in QSP. Some patches silicified, others have visible clay altered feldspar pheno's.	Acme	1.38	0.107	9	12
1936755	6408742.04	427765.87	15-JUN-12 3:16:20PM	1680	QSP in river bank. Sample taken from in creek, of float, locally derived. Sample is of high grade QSP semi-massive sulfide. Comprised of 50% fine grained py in vuggy silica with blobs of epidote and chlorite.	Acme	1.35	0.228	28	51
1936756	6408671.83	427660.28	17-JUN-12 9:56:40AM	1715	Strongly QSP altered bedrock sticking out of the snow. Rusty stained with jarosite rich fractures x-cut by qz-py boxwork veins 185/80. The veins are up to 4 cm wide. Fresh surfaces expose homogenous pale green QSP with at least 5% dis py.	Acme	0.93	1.041	6	25
1936757	6408767.56	427727.60	17-JUN-12 10:58:10AM	1679	Outcrop of medium green aphanitic siliceous rock. Absolutely no visible texture, probably a dacite/felsite dike or totally silicified version of something else. In close contact (just 10's of cm to the north) there is a less altered rock with calcite amygdules suggesting that this might be a skin of silica alteration that follows the creek. The felsic rock is x-cut by quartz-magnetite veins approximately 1mm wide with associated Py and minor calcite. Sample is of the rock with quartz magnetite veins and a trace of chalcopyrite.	Acme	1.29	0.010	-1	90
1936758	6408520.47	427980.54	17-JUN-12 1:18:05PM	1716	OC on s side of creek across from where Tyler is finding qz-magnetite stockwork. Feldspar phyric intrusion. 65% 1-2mm lath-shaped plagioclase ghosts in altered groundmass with abundant silver magnetite and minor pyrite. One calcite rich vein has minor globs of cpy. 15% groundmass; 65% sericite after feldspar; 20% chlorite after mafics.	Acme	1.47	0.134	4	296
1936759	6408313.70	428436.70	18-JUN-12 8:52:06AM	1829	Ridge of highly siliceous rock. Possibly rhyolite. Aphanitic with no distinguishing features. Looks like minor QSP with strong silica component. It is x-cut by quartz-stringers with a trace of pyrite (sample is of this). Strike of ridge is 095 - possibly a felsic dike with this orientation.	Acme	1.11	0.010	-1	29
1936760	6408309.69	428360.80	18-JUN-12 9:41:23AM	1809	Gossanous subcrop with minor bedrock. Pervasively propylitic alteration of intrusive rock. Green rock with little distinguishing character. Patchy zones with QSP alteration. The rock is x-cut by abundant py stringers and contains 5% disseminated pyrite. It only has a few thin quartz veins.	Acme	0.92	0.014	-1	12
1936761	6408357.90	428316.52	18-JUN-12 10:31:26AM	1791	abund cb vn talus with clotty cp, tr spec ht, also bar talus next to o/c with qtz-mt vnlets	Acme	1.55	0.083	13	63

Sample	y_proj	x_proj	Date/time	Elev	Description	Lab	Wt kg	Au	Mo	Cu
1936762	6408346.68	428308.06	18-JUN-12 10:54:26AM	1786	Sample collected from talus beneath an OC that Tyler and Bruno are sampling. The rock is strongly chlorite altered with rare ghost of amphibole pheno's. It is very calcite altered and contains pyrite stringers and minor 1mm qz veins. The rock contains disseminated, as well as pods and globs of chalco (1% volume) with patches of malachite and azurite + possible bornite in one location. Best piece is of 2 parallel 1cm wide veins with bands of chalco and malachite on the edges. Middle of vein is infilled with muddy looking ankerite.	Acme	1.18	0.327	10	1804
1936763	6408327.57	428282.16			Sample of talus, which looks mainly unmineralizaed on first glance but which is strongly chlorite altered; no original texture is discernible. It is x-cut by coarse and irregular calcite veins. Chalcopyrite is abundant as pods and globs in the rock and veins. Malachite is abundant along veins and on fractured/weathered surfaces.	Acme	1.10	0.483	5	1755
1936764	6408472.88	428014.99	18-JUN-12 1:52:58PM	1729	Feldspar and hornblende porphyry. Strongly chlorite and calcite altered. Packed with phenocrysts - approximately 40% sub-euhedral 1-2mm feldspar, some with rims that are completely altered to calcite. Hbl is sub-euhedral and 1-3mm and 20% volume - strongly altered to chlorite. Qz stringers, mainly 1-2mm with occasional magnetite in vein, and increased amount in selvage. Chalcopyrite along edges of veins and tiny amounts in tiny disseminated crystals around the hornblende.	Acme	1.31	0.226	2	1094
1936765	6408540.32	427739.11	18-JUN-12 2:30:43PM	1719	Location of sample J486201. OC of very strongly QSP altered rock with 15-20% pyrite which is x-cut by lots of 2mm and a few 1-2cm clear to milky white quartz veins. At this site there has been an excavation. The QFP is a discrete zone which is surrounded by unremarkable green rock with is weakly Py and magnetite mineralized and has open space filling quartz veins. The sample is of the unremarkable green rock which is exposed in subcrop. It is intrusive rock with feldspar and hornblende phenocrysts and has chalcopyrite +/- malachite disseminated in tiny quartz magnetite veins and at the site of altered mafic phenocrysts. The rock is strongly chlorite-calcite altered.	Acme	0.89	0.078	2	1076
1936791	6408511.04	427891.30	10-AUG-12 9:29:42AM	1721	2m chip QSP	Acme	1.51	0.155	2	386
1936792	6408512.55	427890.47	10-AUG-12 9:31:21AM	1722	3m chip QSP	Acme	1.90	2.315	10	112
1936793	6408483.38	427888.63	10-AUG-12 9:35:59AM	1730	strong qtz-mt stkwk	Acme	1.99	0.174	2	477
1936794	6408479.50	427891.82	10-AUG-12 9:40:22AM	1735	big boulder, 70% banded qtz-mt vns	Acme	1.45	0.163	5	231
1936795	6408478.13	427882.97	10-AUG-12 9:52:57AM	1736	strong qtz-mt stkwk, Cp stringers	Acme	2.08	0.218	4	1388
1936796	6408459.22	427882.79	10-AUG-12 10:06:15AM	1742	qtz-mt stkwk, Cp diss, in vns, clots	Acme	1.41	0.047	6	452
1936797	6408480.16	427902.19	10-AUG-12 10:32:12AM	1739	qtz-mt stkwk, Cp diss, in vns, clots	Acme	1.32	0.293	2	898
1936798	6408470.01	427899.39	10-AUG-12 10:31:39AM	1742	qtz-mt stkwk, Cp diss, in vns, clots	Acme	1.74	0.356	2	1004
1936799	6408530.34	427902.06	10-AUG-12 10:47:02AM	1723	pervas sil brx in QSP	Acme	1.55	0.096	1	32
1936851	6408477.72	428053.00	15-JUN-12 1:23:01PM	1726	grab sample from outcrop of silicified bx. Clasts up to 3cm, some containing dis. py to 10%.	Acme	2.07	0.093	9	51
1936852	6408740.93	427769.01	17-JUN-12 11:03:01AM	1679	float sample in creek. Intrusive with mal, py, cp in blebs, stringers, disseminated. epidote/pink carb (k-spar) flooding often with pick carb on margins of epidote.	Acme	2.17	0.160	15	813
1936853	6408348.73	428259.17	17-JUN-12 3:34:54PM	1773	grab sample from outcrop - sample is same as 852	Acme	1.75	0.197	8	679

Sample	y_proj	x_proj	Date/time	Elev	Description	Lab	Wt kg	Au	Mo	Cu
1936854	6408342.03	428330.76	18-JUN-12 9:48:55AM	1795	strong chl-cal-py-cp alt porph abund py+/-cp stringers, diss, epidote/pink carb (k-spar) flooding often with pick carb on margins of epidote	Acme	1.62	0.652	7	3129
1936855	6408363.07	428305.13	18-JUN-12 10:57:16AM	1794	sample from outcrop. qtz stringer (up to 1cm) stockwork with cp, py, mal in intrusive. Intense carbonate alteration.	Acme	1.71	0.208	5	1695
1936767	6409030.02	427330.32	05-JUL-12 11:34:39AM	1656	Hb syen, seams gn	Acme	1.31	0.015	-1	62
836951	6407966.82	429041.91			Talus float of strongly mal coated monzodior porph? Mineralized o.c. uphill of here? Hbl plus plag phyric. Pinkish. Intermed lap tuff. Note: Intermed lap tuff talus pieces contain ep altered clasts and clats of Cu mineralized monzodior porph. This builds case for Castle being covered by post min volcanics. Pictures: 102-2957, 2958		1.01	0.060	4	5889
836952	6407973.10	428991.01			At ridgetop have nice o.c. of monzodior porph flanked to north and south by heterolith/int tuff bx. Monzodior is loaded with carb plus mal plus cpy veins. Monzodior porph appears to contain dissem cpy in places. Abundant beer bottle lim altering cpy. Lots of mal plus azurite in talus. Tuff bx on flanks appears to contain clasts of this. Monzodior is pink coloured and has chl plus epidote alteration, similar to base of hole 6. Monzodior is x-cut by sparsely plag phyric mafic dike. Is monz intruding tuff bx, or is it a large clast/raft in volcaniclastics? Mehner samples plot way down slope of here. Cannot see his outcrops from here. I think the Mehner outcrops are actually these ones, located at the ridgetop. Sample is a composite/chip across approximately 1 m.		1.48	0.012	-1	4165
836953	6407970.55	428998.89			As per above, but high grade grab sample with abudant mal and az fracture coatings. Picture: 102-2968 -> 318 deg.		1.48	0.010	2	7470
836954	6407961.08	428999.02			N of last station, back in monzodior porph zone. Have pinkish, f.g.-m.g. hbl-plag/ksp monzodior porph x-cut by mafic dike. Monz contains less than 0.1% dissem cpy. Mal fracture coatings in places, often assoc with carb-cpy veinlets. ~ 5% hbl phenos to 3mm size. Weak ep and chl alteration. Not as mineralized as next o.c. to N, upslope.		1.33	0.007	-1	766
836955	6408103.75	429012.53			Back on ridge, walking back towards main Castle gossan to N. In dark green, chl rich unit (mafic volc?). Possibly chl rich micro monzodior porph? Heavily qtz-carb veined with very intense ep plus/minus hem selvedges. Selvedges look k-altered at times. Also found float of heterolith lap tuff containig clast of kspar plus ep altered monzodior porph as per end of hole 6. A rep sample of this was taken. Right above mag high here. Interesting! Picture: 102-2969		0.95	-0.005	-1	141
J486095	6408036.97	428636.83	27-AUG-11 8:50:33AM	1886	Lithic lap tuff/tuff brx/volc cong, epi QV/qtz stkwk	ALS		3.690	7	652
J486096	6408282.65	428650.86	27-AUG-11 9:20:09AM	1873	rhy cut by qtz, Ba stkwk, minor Cp, Mal, MnOx	ALS		0.010	-1	218
J486097	6408355.47	428136.73	27-AUG-11 10:19:42AM	1727	qtz-cb vn 5 cm cutting perv chl-py altd volc, 5% clotty py	ALS		0.196	10	208
J486098	6408431.36	428080.98	27-AUG-11 10:31:47AM	1718	perv QSP alt, py to 5%	ALS		0.186	3	21
J486099	6408487.78	428023.59	27-AUG-11 10:52:35AM	1707	crrd monz porphyry cut by sheeted qtz stringers, finely diss Cp	ALS		0.444	5	1395
J486201	6408553.84	427749.37	27-AUG-11 11:33:28AM	1708	qtz-chalced-py vein, boxworks /py, purple ht	ALS		9.120	5	34
J486202	6408560.36	427695.78	27-AUG-11 11:47:00AM	1721	qtz-chalced vn/stkwk, abund py, boxworks	ALS		2.070	13	110
J486203	6408706.95	427412.19	27-AUG-11 12:30:50PM	1726	perv sil-py, 10-15% c.g. py, cp, trench	ALS		9.580	2	4580
J486204	6408730.17	427315.30	27-AUG-11 12:39:39PM	1715	perv sil-py, 10-15% c.g. py, trench	ALS		4.200	7	381

Sample	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
928192	12	57	0.6	2	6	207	5.93	19	-2	-2	10	-0.5	-3	-3	36	0.26	0.160	4	2	0.75	69	0.001	-20	1.32	0.02	0.27	-2	-5	-1	-5	2.91	-5
928193	11	21	0.7	3	12	336	4.65	45	-2	-2	10	-0.5	-3	-3	13	0.76	0.128	1	2	0.24	42	-0.001	-20	0.53	-0.01	0.27	-2	-5	-1	-5	4.07	-5
928194	4	64	0.5	1	8	1504	3.79	12	-2	-2	33	-0.5	-3	-3	51	1.74	0.130	6	2	1.19	201	0.004	-20	1.69	0.02	0.29	-2	-5	-1	5	1.30	5
928195	4	33	0.4	2	7	1555	2.60	7	-2	-2	43	-0.5	-3	-3	30	2.67	0.150	5	2	0.64	107	-0.001	-20	1.03	0.02	0.31	-2	-5	-1	-5	1.06	5
1436767																																
1936309	3	6	-0.3	2	7	537	1.61	38	-2	-2	15	-0.5	-3	4	6	0.56	0.035	2	3	0.02	203	0.002	-20	0.25	0.01	0.16	-2	-5	-1	-5	0.61	-5
1936310	-3	65	0.4	2	10	1326	3.52	-2	-2	2	87	0.9	-3	8	75	3.18	0.163	11	2	0.55	2008	0.001	-20	1.20	0.03	0.37	-2	-5	-1	-5	0.17	8
1936601	6	31	0.6	3	11	1613	5.77	17	-2	-2	37	-0.5	-3	-3	33	2.94	0.141	2	2	0.64	42	0.001	-20	1.13	0.01	0.32	-2	-5	-1	-5	4.67	-5
1936602	7	47	-0.3	1	10	1541	6.88	31	-2	-2	29	-0.5	-3	-3	38	2.26	0.134	5	-1	1.31	51	0.002	-20	2.56	-0.01	0.31	-2	-5	-1	6	2.55	-5
1936603	-3	59	0.5	2	16	1388	4.89	19	-2	-2	48	-0.5	-3	-3	44	2.09	0.134	8	3	0.98	39	0.003	-20	1.60	0.02	0.31	-2	-5	-1	5	2.87	-5
1936606	-3	94	0.4	2	10	952	6.11	4	-2	-2	19	-0.5	-3	-3	103	0.51	0.149	6	2	1.10	735	0.010	-20	1.61	0.04	0.20	-2	-5	-1	8	0.15	7
1936607	-3	13	-0.3	1	3	775	1.73	-2	-2	-2	27	-0.5	-3	-3	26	2.20	0.158	12	-1	0.13	384	0.001	-20	0.84	0.02	0.45	-2	-5	-1	-5	-0.05	6
1936608	-3	105	-0.3	2	8	1989	3.54	4	-2	-2	123	-0.5	-3	-3	60	2.89	0.139	5	2	1.44	1711	0.034	-20	2.09	0.03	0.17	-2	-5	-1	6	-0.05	-5
1936609	6	3	9.0	-1	3	49	7.37	191	-2	-2	3	-0.5	-3	16	6	0.01	0.010	1	2	0.02	50	0.002	-20	0.25	-0.01	0.18	-2	-5	-1	-5	3.56	-5
1936610	-3	84	-0.3	2	9	1623	4.13	9	-2	-2	49	0.5	-3	3	69	2.00	0.167	7	3	1.53	504	0.020	-20	2.37	0.03	0.29	-2	-5	-1	-5	0.38	7
1936611	-3	86	-0.3	7	9	1438	4.60	8	-2	-2	44	0.6	-3	5	133	2.32	0.131	4	14	1.91	205	0.143	-20	2.29	0.04	0.18	-2	6	-1	8	0.08	11
1936612	-3	78	-0.3	7	12	1362	3.22	-2	-2	-2	54	0.6	-3	5	123	5.41	0.110	4	16	1.63	207	0.102	-20	2.01	0.06	0.07	-2	-5	-1	8	-0.05	12
1936651	-3	39	-0.3	-1	2	1508	0.44	2	-2	4	59	0.6	-3	-3	-1	4.29	0.006	17	7	0.03	213	0.001	-20	0.32	0.03	0.22	-2	-5	-1	-5	-0.05	-5
1936652	-3	56	-0.3	3	14	1251	4.16	4	-2	-2	15	-0.5	-3	-3	47	0.92	0.12	5	4	1.02	104	0.002	-20	1.44	0.03	0.33	-2	-5	-1	-5	1.88	-5
1936653	6	65	2.8	3	5	753	12.09	34	-2	-2	32	-0.5	-3	-3	71	0.14	0.152	3	5	0.96	322	0.001	-20	1.46	0.03	0.39	-2	-5	-1	-5	1.14	-5
1936654	-3	130	-0.3	9	19	987	2.31	3	-2	-2	144	-0.5	-3	-3	62	1.33	0.116	3	13	2.03	45	0.103	22	2.38	0.05	0.05	-2	-5	-1	6	-0.05	-5
1936655	-3	136	-0.3	8	17	1825	4.73	-2	-2	-2	45	-0.5	-3	-3	115	1.31	0.116	4	13	1.74	347	0.135	-20	2.18	0.04	0.21	-2	-5	-1	7	-0.05	9
1936701	4	108	-0.3	8	16	1354	4.17	-2	-2	-2	57	-0.5	-3	-3	85	1.66	0.097	7	24	2.20	86	0.137	-20	2.41	0.04	0.14	-2	-5	-1	-5	-0.05	-5

All elements in ppm except Ca, Fe, Na, K, Mg, P, S, Ti in %

Sample	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
1936702	3	55	-0.3	2	6	820	3.05	5	-2	-2	48	-0.5	-3	-3	62	1.53	0.153	5	3	1.18	173	0.028	-20	1.24	0.05	0.15	-2	-5	-1	-5	1.81	7
1936703	13	59	0.6	2	7	6349	3.67	4	-2	-2	404	1.0	-3	-3	39	17.30	0.060	12	1	0.99	94	0.002	-20	1.24	-0.01	0.15	-2	-5	-1	-5	1.23	-5
1936704	-3	71	-0.3	1	2	1221	3.94	12	-2	-2	30	-0.5	-3	-3	46	1.66	0.132	6	3	1.65	56	0.004	-20	2.05	0.03	0.28	-2	-5	-1	7	1.49	-5
1936705	3	56	-0.3	34	19	651	4.32	-2	-2	-2	156	-0.5	-3	-3	125	2.24	0.095	5	40	2.16	140	0.191	-20	4.10	0.36	0.10	-2	-5	-1	-5	0.10	5
1936706	9	75	0.3	36	25	1662	10.04	5	-2	-2	29	-0.5	-3	-3	91	0.55	0.263	10	44	1.81	248	0.010	-20	2.64	0.02	0.15	-2	-5	-1	-5	0.07	8
1936707	4	6	1.2	2	2	805	0.87	2	-2	-2	355	-0.5	4	-3	2	2.22	0.003	4	6	0.05	250	0.001	-20	0.15	0.01	0.08	-2	-5	-1	-5	0.44	-5
1936708	-3	55	2.2	2	4	551	2.31	-2	-2	2	27	-0.5	-3	-3	35	0.17	0.025	2	5	0.47	178	0.032	-20	0.60	0.04	0.06	-2	-5	-1	-5	-0.05	-5
1936709	4	47	-0.3	1	4	785	3.31	4	-2	3	38	-0.5	-3	-3	29	1.87	0.089	7	4	0.89	479	0.002	-20	1.37	0.02	0.27	-2	-5	-1	-5	0.76	-5
1936710	7	67	-0.3	2	6	836	4.50	-2	-2	2	38	-0.5	-3	-3	60	1.11	0.100	9	4	1.00	645	0.011	-20	1.29	0.04	0.16	-2	-5	-1	6	0.11	-5
1936711	-3	14	2.1	2	6	700	4.18	13	-2	2	39	-0.5	-3	-3	11	2.81	0.108	8	2	0.17	94	0.001	-20	0.75	-0.01	0.32	-2	-5	-1	-5	3.41	-5
1936712	-3	43	-0.3	1	7	939	3.18	-2	-2	3	87	-0.5	-3	-3	58	2.35	0.117	10	3	1.03	1038	0.003	-20	1.43	0.04	0.18	-2	-5	-1	6	0.10	5
1936713	-3	64	0.3	1	7	1497	3.69	10	-2	-2	41	-0.5	-3	-3	52	1.89	0.140	10	3	1.08	329	0.005	-20	1.54	0.03	0.24	-2	-5	-1	5	1.09	-5
1936714	-3	56	-0.3	-1	4	1738	2.87	8	-2	-2	121	-0.5	-3	-3	48	2.45	0.143	17	2	1.03	668	0.004	-20	1.45	0.02	0.31	-2	-5	-1	-5	0.55	6

All elements in ppm except Ca, Fe, Na, K, Mg, P, S, Ti in %

Sample	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
1936715	6	45	-0.3	2	5	1775	4.39	25	-2	-2	38	-0.5	-3	-3	27	2.74	0.133	3	2	0.88	67	0.001	-20	1.35	0.02	0.28	-2	-5	-1	-5	2.88	5
1936716	-3	57	-0.3	2	5	1048	3.02	3	-2	3	34	-0.5	-3	-3	20	2.15	0.121	12	-1	0.96	563	0.001	-20	1.68	0.02	0.31	-2	-5	-1	-5	0.12	-5
1936717	10	62	-0.3	2	15	1977	5.96	19	-2	-2	41	-0.5	-3	-3	52	3.04	0.131	4	2	1.37	105	0.002	-20	2.45	-0.01	0.34	-2	-5	-1	7	2.02	-5
1936718	4	84	0.7	2	11	1395	4.26	6	-2	-2	27	-0.5	-3	-3	51	1.11	0.123	7	3	1.11	396	0.013	-20	1.64	0.03	0.24	-2	-5	-1	-5	0.74	-5
1936719	5	100	-0.3	2	9	1885	4.96	5	-2	-2	40	-0.5	-3	-3	64	1.71	0.145	8	3	1.17	420	0.004	-20	1.92	0.02	0.30	-2	-5	-1	6	0.57	5
1936720	-3	46	1.6	1	2	606	0.62	-2	-2	-2	128	-0.5	-3	-3	-1	0.14	0.001	1	7	0.02	2103	-0.001	-20	0.10	-0.01	0.02	-2	-5	-1	-5	0.20	-5
1936721	14	31	0.4	2	21	10000	5.90	8	-2	-2	59	0.6	-3	-3	33	7.69	0.014	5	4	2.21	276	-0.001	-20	0.31	-0.01	0.08	-2	-5	-1	-5	0.78	-5
1936722	4	70	-0.3	3	61	495	7.43	9	-2	-2	69	-0.5	-3	-3	71	0.36	0.113	1	2	1.05	44	0.090	-20	1.47	0.04	0.19	-2	-5	-1	-5	4.66	-5
1936723	-3	26	-0.3	2	11	244	4.98	-2	-2	-2	28	-0.5	-3	3	81	0.25	0.151	3	9	1.35	83	0.016	-20	1.49	0.06	0.26	-2	-5	-1	-5	1.86	5
1936724	-3	16	-0.3	1	5	342	2.20	141	-2	-2	253	-0.5	-3	-3	34	2.81	0.053	3	2	0.36	91	0.054	-20	4.76	-0.01	0.14	-2	-5	-1	-5	-0.05	-5
1936725	-3	62	7.4	8	13	882	2.80	-2	-2	-2	128	-0.5	-3	-3	80	1.54	0.140	3	7	1.75	10	0.170	-20	2.49	0.04	0.02	-2	-5	-1	-5	0.07	6
1936726	-3	35	-0.3	4	14	351	5.39	5	-2	-2	66	-0.5	-3	-3	199	1.19	0.138	3	3	2.37	63	0.129	-20	3.20	0.14	0.17	-2	-5	-1	-5	2.59	24
1936727	3	32	-0.3	5	8	366	5.41	-2	-2	-2	236	-0.5	-3	3	169	1.37	0.149	4	5	2.40	100	0.142	-20	3.63	0.23	0.20	-2	-5	-1	-5	2.61	19
1936728	5	25	-0.3	3	16	292	5.36	-2	-2	-2	52	-0.5	-3	-3	118	0.84	0.116	3	3	1.51	70	0.110	-20	2.04	0.16	0.25	-2	-5	-1	-5	3.52	11

All elements in ppm except Ca, Fe, Na, K, Mg, P, S, Ti in %

Sample	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
1936751	4	6	-0.3	-1	1	516	0.43	-2	-2	-2	59	-0.5	-3	-3	-1	2.51	0.016	18	3	0.10	232	-0.001	-20	0.39	0.01	0.25	-2	-5	-1	-5	-0.05	-5
1936752	18	48	-0.3	46	16	542	2.45	7	-2	-2	124	-0.5	-3	-3	69	2.11	0.069	3	89	1.64	40	0.257	-20	1.86	0.05	0.01	-2	-5	-1	-5	-0.05	-5
1936753	14	49	-0.3	42	20	839	3.78	4	-2	-2	135	-0.5	-3	-3	103	4.33	0.065	3	87	2.28	62	0.152	-20	3.22	0.20	0.12	-2	-5	-1	-5	0.10	9
1936754	5	2	0.3	2	10	255	2.70	6	-2	-2	14	-0.5	-3	-3	4	1.11	0.068	7	2	0.03	87	-0.001	-20	0.27	-0.01	0.22	-2	-5	-1	-5	2.55	-5
1936755	28	49	4.7	7	13	681	23.04	111	-2	2	6	-0.5	-3	5	89	0.17	0.060	3	-1	1.29	7	0.009	-20	1.53	-0.01	0.08	8	-5	-1	-5	10.00	-5
1936756	3	-1	5.2	5	-1	22	2.80	57	-2	-2	12	-0.5	-3	9	7	0.01	0.042	2	11	0.02	304	-0.001	-20	0.27	0.01	0.32	-2	-5	2	-5	0.37	-5
1936757	-3	5	-0.3	2	3	1332	2.02	3	-2	2	67	-0.5	-3	-3	10	4.11	0.086	15	3	0.36	122	-0.001	-20	0.97	0.01	0.32	-2	-5	-1	-5	0.08	-5
1936758	-3	51	-0.3	2	6	922	3.37	5	-2	4	77	-0.5	-3	-3	56	2.47	0.117	10	4	0.69	733	0.009	-20	1.13	0.06	0.21	-2	-5	-1	6	0.23	6
1936759	-3	10	-0.3	1	3	647	1.67	8	-2	3	22	-0.5	-3	5	5	1.64	0.044	16	2	0.63	278	0.002	-20	0.97	0.05	0.12	-2	-5	-1	-5	0.07	-5
1936760	-3	133	0.3	2	8	619	6.85	14	-2	-2	9	-0.5	-3	5	78	0.26	0.155	2	3	1.74	104	0.001	-20	2.46	0.03	0.16	-2	8	-1	6	1.65	7
1936761	-3	3	-0.3	2	7	1437	4.46	49	-2	-2	58	-0.5	-3	6	16	4.00	0.124	4	2	0.66	15	-0.001	-20	0.90	0.01	0.29	-2	-5	1	-5	4.09	-5

All elements in ppm except Ca, Fe, Na, K, Mg, P, S, Ti in %

Sample	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
1936762	-3	7	0.6	2	6	1480	4.93	26	-2	-2	40	-0.5	-3	3	25	2.86	0.133	6	2	0.84	72	-0.001	-20	1.44	0.01	0.32	-2	7	-1	-5	2.78	-5
1936763	4	14	-0.3	2	12	4770	3.98	11	-2	-2	199	-0.5	3	7	28	9.93	0.081	15	4	0.96	66	-0.001	-20	1.68	-0.01	0.18	-2	-5	-1	-5	1.15	5
1936764	-3	30	-0.3	1	3	1482	4.04	3	-2	3	79	-0.5	-3	5	47	2.63	0.110	9	3	0.81	1245	-0.001	-20	1.27	0.03	0.25	-2	-5	-1	-5	0.14	-5
1936765	-3	41	-0.3	-1	5	1669	3.88	-2	-2	4	28	-0.5	-3	-3	36	1.01	0.105	13	2	1.10	1179	0.001	-20	1.58	0.02	0.29	-2	-5	-1	-5	-0.05	-5
1936791	7	44	-0.3	2	5	996	4.69	32	-2	-2	20	-0.5	-3	-3	19	1.14	0.090	8	2	0.32	135	-0.001	-20	1.03	-0.01	0.41	-2	-5	-1	-5	1.37	-5
1936792	16	12	1.5	-1	2	121	6.67	111	-2	-2	19	-0.5	-3	10	9	0.13	0.077	5	1	0.05	548	0.001	-20	0.39	-0.01	0.33	-2	-5	-1	-5	0.79	-5
1936793	-3	118	-0.3	2	5	1130	4.97	-2	-2	-2	10	-0.5	-3	-3	53	0.33	0.081	9	3	0.67	241	0.005	-20	0.99	0.03	0.18	-2	-5	-1	-5	-0.05	-5
1936794	10	3	0.5	1	4	206	1.52	99	-2	-2	24	-0.5	-3	-3	5	0.07	0.040	3	3	0.02	1266	-0.001	-20	0.20	-0.01	0.17	-2	-5	-1	-5	0.36	-5
1936795	6	47	-0.3	2	5	692	3.02	30	-2	-2	26	-0.5	-3	-3	19	0.93	0.088	14	1	0.23	1415	0.001	-20	0.82	0.02	0.29	-2	-5	-1	-5	0.27	-5
1936796	4	102	-0.3	2	10	1584	3.60	2	-2	-2	64	-0.5	-3	-3	73	3.18	0.129	16	3	1.19	986	0.002	-20	1.67	0.04	0.15	-2	-5	-1	6	0.18	7
1936797	-3	139	0.5	2	5	1242	4.47	-2	-2	-2	13	-0.5	-3	-3	46	0.37	0.079	8	2	0.79	715	0.008	-20	1.16	0.03	0.15	-2	-5	-1	-5	-0.05	-5
1936798	-3	144	1.3	2	6	1378	3.87	-2	-2	-2	15	-0.5	-3	-3	42	0.67	0.083	10	2	0.78	337	0.011	-20	1.14	0.03	0.19	-2	-5	-1	6	0.05	-5
1936799	4	5	-0.3	2	5	854	1.94	23	-2	-2	16	-0.5	-3	-3	10	1.09	0.045	4	-1	0.13	66	-0.001	-20	0.29	-0.01	0.20	-2	-5	-1	-5	0.97	-5
1936851	4	4	0.4	-1	8	2481	2.95	13	-2	2	165	-0.5	-3	6	17	9.69	0.061	11	2	0.42	84	-0.001	-20	0.76	0.01	0.19	-2	-5	-1	-5	1.80	-5
1936852	-3	39	0.3	2	3	1487	3.45	8	-2	-2	39	-0.5	-3	4	53	2.11	0.145	7	2	1.30	265	0.004	-20	1.62	0.03	0.22	-2	-5	-1	6	0.81	6
1936853	-3	60	0.3	1	3	1610	3.56	16	-2	-2	51	-0.5	-3	-3	57	2.53	0.142	8	2	1.09	199	0.011	-20	1.53	0.02	0.26	-2	-5	-1	6	1.11	5

All elements in ppm except Ca, Fe, Na, K, Mg, P, S, Ti in %

Sample	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
1936854	-3	12	1.4	2	16	473	3.61	6	-2	3	16	-0.5	-3	4	17	0.89	0.135	4	-1	0.34	61	-0.001	-20	0.76	0.01	0.30	-2	-5	-1	-5	2.85	-5
1936855	-3	6	-0.3	-1	16	1376	4.44	27	-2	2	39	-0.5	-3	9	24	2.81	0.137	5	3	0.70	71	-0.001	-20	1.25	0.02	0.27	-2	-5	2	-5	2.79	-5
1936767	10000	10000	3.0	-1	3	415	1.28	-2	-2	4	18	405.3	-3	-3	8	1.03	0.040	11	9	0.21	707	0.001	-20	0.73	0.06	0.27	4	-5	27	-5	0.79	-5
836951	-3	57	1.4	4	8	838	3.12	-2	-2	-2	34	-0.5	-3	-3	56	0.51	0.123	4	4	1.40	59	0.051	-20	1.86	0.06	0.15	-2	-5	-1	6	-0.05	6
836952	-3	41	1.0	2	5	758	2.69	-2	-2	-2	34	-0.5	-3	-3	34	1.30	0.118	5	4	0.94	196	0.030	-20	1.61	0.06	0.25	-2	-5	-1	5	-0.05	-5
836953	-3	56	2.0	2	6	785	3.18	2	-2	-2	27	-0.5	4	-3	38	0.43	0.117	5	2	1.08	64	0.038	-20	1.78	0.06	0.21	-2	-5	-1	-5	-0.05	-5
836954	-3	65	0.4	2	7	693	2.71	-2	-2	-2	48	-0.5	-3	-3	56	1.49	0.113	3	3	0.99	58	0.053	-20	1.41	0.07	0.13	-2	-5	-1	-5	-0.05	-5
836955	-3	72	-0.3	71	14	943	3.49	4	-2	-2	95	-0.5	-3	3	76	4.83	0.114	6	151	1.69	24	0.130	-20	1.73	0.05	0.03	-2	-5	-1	6	-0.05	7
J486095	7	19	2.4	1	4	183	3.45	69		-20	9	-0.5	2	2	13	0.02	0.037	-10	7	0.02	30	-0.010	-10	0.20	0.01	0.05	-10	-10	-1	-10	0.03	1
J486096	-2	3	-0.2	1	3	234	0.42	-2		-20	291	-0.5	-2	-2	1	0.19	0.003	10	6	0.03	2220	-0.010	-10	0.26	0.01	0.17	-10	-10	-1	-10	0.11	-1
J486097	7	20	1.2	4	12	2360	3.81	38		-20	168	-0.5	2	2	17	5.63	0.131	10	1	0.40	30	-0.010	-10	0.84	0.02	0.37	-10	-10	-1	-10	3.52	3
J486098	4	3	0.9	-1	12	27	4.04	24		-20	8	-0.5	2	2	6	0.11	0.054	-10	1	0.04	40	-0.010	-10	0.50	-0.01	0.42	-10	-10	-1	-10	3.80	1
J486099	3	91	0.4	1	6	906	3.71	5		-20	52	-0.5	-2	-2	65	1.72	0.110	10	3	1.02	450	0.050	-10	1.52	0.06	0.17	-10	-10	-1	-10	0.29	7
J486201	15	7	153.0	-1	1	38	2.63	79		-20	6	-0.5	-2	22	3	0.03	0.002	-10	6	0.01	180	-0.010	-10	0.14	0.01	0.15	10	-10	112	-10	0.72	-1
J486202	10	3	15.7	-1	1	44	3.64	50		-20	13	-0.5	2	5	5	0.02	0.006	-10	4	0.02	500	-0.010	-10	0.26	-0.01	0.20	-10	-10	1	-10	0.36	-1
J486203	29	8	50.4	-1	3	55	12.90	139		-20	5	-0.5	5	38	5	0.04	0.032	-10	3	0.02	10	-0.010	-10	0.25	-0.01	0.18	-10	-10	-1	-10	10.00	1
J486204	35	8	43.7	-1	3	48	9.70	210		-20	7	-0.5	5	57	10	0.09	0.088	-10	1	0.02	50	-0.010	-10	0.47	-0.01	0.31	-10	-10	-1	-10	3.54	1

Appendix B Diamond Drilling

- B-1 Collars and Surveys
- B-2 Drill Logs
- B-3 Codes
- B-4 Recoveries, RQD
- B-5 Samples and Assays
- B-6 Plan and Sections

Collars

Hole ID	Easting NAD83 UTMZ9	Northing NAD83 UTMZ9	Elevation	Hole Length (m)	Azim	Dip
CA1201	427342	6408630	1736	348.08	348	-50
CA1202	427546	6408637	1733	286.89	60	-50
CA1203	427543	6408637	1734	165.51	237	-54
CA1204	427717	6408525	1727	327.36	40	-50
CA1205	428335	6408406	1809	337.41	233	-60
CA1206	428038	6408532	1726	312.12	225	-60

Surveys

Hole ID				Depth (m)	Azim	Dip
CA1201				89.0	348.2	-52.4
CA1201				159.1	351.0	-53.1
CA1201				317.6	355.1	-53.3
CA1202				52.1	60.4	-51.4
CA1202				116.1	59.3	-51.1
CA1202				149.7	58.9	-50.6
CA1202				280.7	61.0	-52.3
CA1203				10.1	237.9	-53.7
CA1203				80.2	238.8	-54.1
CA1203				159.4	241.3	-54.3
CA1204				36.9	33.3	-52.0
CA1204				134.4	38.2	-53.6
CA1204				186.2	40.9	-53.5
CA1204				318.2	42.1	-53.5
CA1205				52.4	233.7	-61.3
CA1205				95.1	233.5	-60.5
CA1205				128.6	233.2	-60.9
CA1205				164.6	232.3	-61.2
CA1205				265.8	235.5	-61.2
CA1205				329.8	238.6	-61.0
CA1206				12.5	220.4	-60.3
CA1206				143.6	224.9	-60.5
CA1206				280.7	226.4	-61.5

Hole_ID	Geo	From	To	Width	Rock Code	Description	Alteration Code	Alteration								Mineralization							
		m	m	m				SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1201	TB	0.00	3.05	3.05		Casing No recovery																	
CA1201	**TB**	**3.05**	**31.50**	**28.45**	**MMD**	Micro Monzodiorite Fine grained green rock with strong chlorite calcite alteration. Comprised of approximately 40% 1mm subhedral to angular feldspar phenocrysts and up to 25% 1mm chlorite altered mafic phenocrysts in a completely calcite/chlorite altered originally probably aphanitic groundmass. The rock is non-magnetic to very weakly magnetic in just a few locations; it reacts vigorously to HCl as a results of calcite alteration. Feldspars are commonly replaced completely by calcite or, in some locations by chlorite, or rarely by pyrite. The interval is cross cut by a high density of 2mm - 8mm 30-50TCA calcite veins occasionally with hematite or pyrite. Rare quartz veins occur in clusters with abundant pyrite. The interval has a trace of pyrite throughout and ranges to massive sulfide in one location. Several intervals with 5-10% py are noted below and are flanked by narrow halos with epidote alteration.	CHP				s	w		s				V		Tr			
CA1201	TB	3.05				Rock affected by surface weathering. Very broken up with rusty surfaces and some sandy intervals.																	
CA1201	TB	8.00	9.53	1.53		This zone had increased pyrite to an average of 5% with 10-15% from 8.3-8.97 meters. The pyrite occurs disseminated as irregular and cubic crystals within the groundmass, and within the highest grade zone is associated with a dense (20% volume) calcite-hematite-chlorite stockwork. The rock is lighter coloured in the center of the zone, probably as a result of increase local sericite alteration					s		m	s				5-10%		Tr			
CA1201	TB	8.75				Within the above zone, an unusually thick calcite vein, about 5 cm thick and 45 TCA has angular fragments ofchlorite, hematite and pyrite within, as well as 1 cm wide semi-massive pyrite rims with wispy red hematite along the contact between the pyrite and calcite.																	
CA1201	TB	13.00				20 TCA massive chlorite pyrite band/vein																	
CA1201	TB	14.79	31.50	16.71		With exception of below noted intervals with very high grade pyrite, the remaining portion of the interval has increase pyrite from 1-5% volume. The pyrite occurs disseminated as irregular to euhedral 1-2mm crystals or blebs, and in calcite+/- chlorite veins; It also occurs commonly as discontinuous and irregular shaped pyrite+/-chlorite stringers.												1-5%					
CA1201	TB	16.35	17.20	0.85		Zone with 15% pyrite and increased calcite chlorite veining. Fine grained pyrite occurs disseminated in the groundmass - irregular pyrite stringers are abundant and associated with subtle chlorite veins which often have large amounts of pyrite. This interval is also cut by irregular up to 1 cm coarse pink calcite veins.					S			S									
CA1201	TB	24.87	28.65	3.78		Within this interval pyrite is much reduced and the rock has instead suffered moderate epidote alteration. Epidote occurs disseminated in the groundmass giving the rock a slightly different green colour; it also occurs in massive pods and in association with calcite in veins. At 18.25 20% volume of the rock is occupied by angular blocky pods up to 7mm of massive epidote.												Tr					
CA1201	TB	28.65	31.50	2.85		This interval contains 15-90% pyrite. Typically about 20% except from 29.87-30.18 where th rock is 90% pyrite with dispersed calcite sericite and quartz. On the outer portions of the interval the rock is strongly calcite chlorite altered but closer to the massive pyrite zone the rock begins to react only minorly to HCl and the rock becomes paler as quartz and sericite become more dominant relative to calcite and chlorite. Pyrite outside of the massive zone occurs as 3-4mm Py+chlorite veins, irregular stringers and disseminated. It increases in concentration close to the massive zone. The zone of massive pyrite has a discreet 40 TCA upper contact and a gradational lower contact. It is comprised of 90% medium grained pyrite mixed with interstitial and irregular pods of calcite and quartz.					m		m	m				15-90					
CA1201	TB	29.75				cpy stringers in association with (but partly perpendicular to) banded calcite hematite vein 15 TCA 1 cm wide																	

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1201	**TB**	**31.50**	**59.37**	**27.87**	**MMD**	Micro Monzodiorite Moderately sericite +/- quartz altered with lesser chlorite calcite alteration (relative to previous interval). Where alteration is the least texturally destructive (e.g. at the top of the interval) the rock is clearly comprised of 5-10% anhedral to lath shaped mafic minerals (probably hornfels) up to 1.5mm long, and a high proportion (about 80% vol) of 1-4mm feldspar phenocrysts in a small proportion of groundmass (about 10% volume). Alteration is comprised of weak to moderate calcite and chlorite veining and replacement of groundmass; unlike previous interval, HCl only reacts weakly away from calcite stringers, and mafic minerals are not always altered to chlorite. Feldspar phenocrysts are typically altered to sericite, as is some groundmass. The sericite alteration give the rock a paler green appearance than the more chlorite altered rock. This interval has the same 30-50 TCA narrow calcite stringers as the previous interval but it also contains low density (less than 1/m) pyrite-tourmaline veins which are sometimes associated with increased sericite alteration or in places a mottled white and pale pinkish K/Na alteration, which is very local to t	CHSP_WM	w	w		m		m	m		tr		1					
CA1201	TB	33.87				First occurrence of tourmaline pyrite vein - several stringers over a 2 cm wide zone with minor albite? alteration between stringers.																	
CA1201	TB	35.23	35.40	0.17		17 cm wide zone with abundant pyrite tourmaline veins and a 4 cm wide band of pale white albite alteration? Tourmaline-Py band is 50 TCA and is cut by coarse irregular 60TCA calcite vein.																	
CA1201	TB	35.57				70 TCA 1.5 cm wide black hard tourmaline? Vein with 10% pyrite globs and x-cut by 20% wispy calcite veins which cross the vein at about 45 degrees and are almost truncated at margin with wallrock, but some barely pass into the surrounding rock as narrow stringers. Very Strange																	
CA1201	TB	36.66	36.80	0.14		Epidote zone with a few minor epidote veins and pods																	
CA1201	TB	38.55	38.90	0.35		Within 35 cm there are 5 discrete pyrite tourmaline veins. The wallrock is epidote and K-feldspar altered. Veins are 70 TCA and have pyrite centers and tourmaline edges.			m			m											
CA1201	TB	39.05	39.20	0.15		Narrow zone with minor blotchy epidote alteration						m											
CA1201	TB	39.95	49.62	9.67		Almost all core in this interval is gravel sized. Probably milled by the drill.																	
CA1201	TB	41.42	43.20	1.78		Zone with increased amount of pyrite (2-3%). Pyrite is disseminated and occurs in pyrite tourmaline veins. Patchy pale white or pink alteration in rubble is suggestive of K and/or NA alteration (not calcite). Core is mainly rubble so no significant orientations. Bottom 4 cm is comprised of a tourmaline vein breccia rounded wall rock fragments in a tourmaline vein that also contains 5% py blebs (1mm). The edge of the vein is irregular but approximately 60 TCA.																	
CA1201	TB	54.81	55.10	0.29		Dense zone with parallel quartz-calcite-pyrite-cpy-hematite veins. Roughly 50 TCA and comprised of Qz+Cal veins which x-cut the wall rock and are host to discordant pyrite+tourmaline veins. The wall rock fragments in the vein and surrounding it are rich in disseminated pyrite. Very minor cpy in the qz-cal veins, but a parallel 2 cm wide massive cpy pyrite vein is at the bottom of the interval.										1		10		1			
CA1201	TB	55.37				Centered on this point the rock is lighter coloured and has vigorous reaction to HCl, so probably calcite altered. Cored by a calcite-pyrite vein with 5% 1mm tourmaline blebs - 50 TCA.								s									
CA1201	TB	56.79				small faulted zone 60 TCA																	
CA1201	TB	56.89	57.88	0.99		0 TCA vein that splits and joins and ranges from 4 - 15 mm wide comprised of clear smoky looking barite with a pyrite calcite core.																	

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		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1201	**TB**	**59.37**	**72.00**	**12.66**	**MMD**	Micro Monzodiorite This interval is distinguished from the previous due to increased abundance of chlorite calcite alteration, a resultant darker appearance of the core, and increased amounts of quartz veins, and chalcopyrite. The rock is comprised of about 50% 1-4 mm mostly anhedral feldspar pheno's, 10-20% 1mm subhedral hornblende phenocrysts in a completely altered, but probably originally aphanitic groundmass. The rock is completely altered by calcite and chlorite. All mafic minerals are altered to chlorite, and feldspars are altered to calcite and/or sericite. The rock is dark to medium and rarely light green - with the lightest green patches being the result of localized abundance of sericite.. Calcite stringers are abundant and tiny calcite seams x-cut the rock everywhere. Quartz veins are rare, but more abundant than higher up in the hole. Tourmaline associated with pyrite is still present but is rare. A trace of chalco is found through this interval and a few locations noted below have significant cpy concentrations. About 1% pyrite is found disseminated throughout the	CCSP_WM				s		m	s		tr		1					
CA1201	TB	63.91				Here a pyrite + epidote + calcite vein 8 mm wide and 45 TCA has a dull brownish-pink selvage, possibly K-spar alt?																	
CA1201	TB	64.27				Three up to 1 cm length highly altered phenocrysts? One is shaped like a plagioclase lath the other two like larger slightly irregular K-spar columns They have a rim of chlorite and calcite and pale beige clay + calcite + epidote cores.																	
CA1201	TB	64.68				A few little stringers of cpy stand alone here.																	
CA1201	TB	65.30				1.5 cm 10 TCA banded quartz hematite pyrite cpy vein with increase disseminated py in its halo. X-cut by pink calcite vein																	
CA1201	TB	65.80	66.20	0.40		Strange and interesting zone. The top is a thick banded quartz-pyrite zone which is preserved as at least 3 cm wide and 40 TCA. It is in contact with coarse white calcite which may be a parallel vein or cross cut the quartz- both are cross cut by a thinner but very similar calcite vein. At the contact between the qz and calcite cpy is present. Within the calcite there are hematite altered wall rock fragments and cpy stringers x-cut both the calcite and wall rock fragments (continuously). The calcite also contains fragments which look like the quartz-pyrite vein material.										1		3		tr			
CA1201	TB	67.79	68.76	0.97		Increased py, now 5-8 %. Mainly disseminated and as sulfide pods and veins.																	
CA1201	TB	69.23				Two subrounded highly altered "xenoliths"? Comprised of chlorite pyrite and calcite.																	
CA1201	TB	70.38	72.00	1.62		Interval with greatly increased chalcopyrite associated with quartz-carbonate cpy-py veining. Veins are 20 30 and 40 TCA. At 70.71 there is a massive cpy + py + qz + calcite vein which unfortunately occurs right at the end of a drill run, and is partly preserved on each side - uncertain how much was lost but the pieces do not fit together, so some was lost.										5		5					
CA1201	**TB**	**72.00**	**74.65**	**2.65**	**MMD**	Hbl Phyric Micro Monzodiorite The top contact of this interval is lost in faulted rock (50 TCA). The interval looks distinct from previous units as a result of different alteration and because it contains 5-10 % 1-4 mm very distinct mafic phenocrysts. The phenocrysts are angular to rounded and anhedral with rare stubby laths indicative of hornblendes. They are altered to chlorite and pyrite. 1mm and rarely larger sub-euhedral feldspar phenocrysts are present too but only visible on very close examination - they occupy about 25% volume. The remaining volume is an aphanitic buff to pale green groundmass. Very typical high-level porphyry texture. The interval begins in faulted rock which is highly fractured and healed poorly by calcite and clay. The lower contact is gradational with a gradual reduction in phenocryst size and increase in chlorite alteration which destroys much of the texture. The rock is x-cut by abundant calcite stringers, but does not react to HCl away from stringers. The rock is moderately to strongly quartz-sericite altered and in a few locations the groundmass and even feldspars are altered to k-spar indicating weak K alteration. Despite the K alteration mi	CHSP	m-s			m		m	w				1					
CA1201	TB	72.70				Irregular vuggy calcite chlorite pyrite vein 10 TCA with possible potassic alteration halo.																	
CA1201	TB	73.53				10 TCA 3-4 mm wide pyrite vein which is moderately to strongly magnetic - must contain some magnetite although I can not see it.																	

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		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1201	**TB**	**74.65**	**85.10**	**10.45**	**MMD**	Trachytic Micro Monzodiorite Top contact of this interval is in broken core but appears to be transitional with the overlying interval which has coarser and less abundant phenocrysts. Where primary textures are exposed, hornblende laths can occupy up to 20 % volume (1-3mm long) and subtle feldspar laths and blocks are 50% volume, all in an aphanitic (or altered to appear so) groundmass. In many placed the phenocrysts are aligned showing a well developed trachytic texture 30 TCA. In a few locations the interval has a more equigranular heterogeneous fine grained dioritic appearance. This interval is comprised of strongly chlorite and calcite altered rock with patchy moderate sericite alteration As a result of alteration the rock is normally medium to dark green, soft and reacts moderately to strongly to HCl. Mafic pheno's are altered to chlorite and feldspar is calcite or sericite altered. Calcite stringers are abundant throughout the interval and a few zones of thick calcite veining with associated Py and cpy are noted below. Rare quartz-py +/- cpy veins are	CCSP_WM				m		m	m		tr		1		tr			
CA1201	TB	74.65	75.56	0.91		Faulted zone with clay + pyrite + calcite healed (poorly) fault breccia. A few minor faulted zones just past this one.																	
CA1201	TB	75.24	72.12			Intense coarse calcite veining with abundant and mutually cross-cutting irregular 2-10mm veins. The calcite is white to semi-translucent and contains hematite in places giving it a reddish tint, or wispy red lines within. The wall rock is really mottled with strong chlorite and calcite alteration and little original texture. Pyrite is abundant in the interval but rarely present in the veins. Cpy is present as sulfide stringers outside of the vein, and as small occurrences within the veins.					s		w	s		tr		5		tr			
CA1201	TB	80.01	80.38	0.37		2 cm wide coarse pink calcite vein with chlorite filling interstices between calcite crystals. X-cuts sulfide stringers. 5TCA																	
CA1201	TB	81.40	83.30	1.90		Short interval with less well defined trachytic texture. Here looks more like medium-fine grained porphyritic diorite.																	
CA1201	TB	83.11	83.56	0.45		Increased pyrite within this zone - 5-8% a few 1 - 3 cm sulfide bands 15 TCA sub-parallel to trachytic texture, and all kinds of disseminated pyrite and minor pyrite stringers.																	
CA1201	TB	83.80				3 mm calcite vein cuts and offsets sulfide stringer																	
CA1201	**TB**	**85.10**	**97.75**	**12.65**	**MMD**	Micro Monzodiorite The micro monzodiorite in this interval is distinct from the overlying rock because of a coarser grain-size, lack of pervasive trachytic texture, and different (but variable) alteration. The interval is comprise of feldspar and hornblende porphyritic micro-monzonite with the most distinctive porphyritic, and probably intrusive texture so far in the hole. 2-3mm sub-euhedral plagioclase laths (40%) and stubby black sub-euhedral 1-3mm hornblende laths (10-20% are hosted in a pinkish granular groundmass which likely has a high K-feldspar content. The texture is not unlike the other rocks in the hole, but is less obscured here partly because of minor and patchy K-alteration which makes the groundmass stand out distinctly from the phenocryst phases. The interval is x-cut by a lower density of calcite veins (3-4/m) and stringers that are usually pure calcite but sometimes have pyrite or red and/or specular hematite. A set of 20-40 TCA pyrite veins with minor quartz and calcite occur within this interval as well, with increasing density relative to previous intervals.	KCSP	m-s	w		m		m	m				5					
CA1201	TB	86.40	87.12	0.72		Hydrothermal breccia. Here large (5-10 cm wide) subrounded fragments of porphyry are hosted in clear, almost smoky, quartz + pyrite. The edges of the fragments are surrounded by smaller more angular slivers and blocks of porphyry also hosted in the quartz-pyrite matrix. Contacts are gradation with areas that have significant amounts of qz-py veining. Some of the fragments within the breccia are the most K and Na altered porphyry in the interval.																	
CA1201	TB	89.31	90.70	1.39		Another hydrothermal breccia also hosted in quartz pyrite. This breccia is comprised of many sub angular porphyry fragments (up to 4 cm) which are strongly sericite altered. The breccia itself is x-cut by a calcite-pyrite-hematite vein 30 TCA. Quartz-pyrite matrix comprises about 25% of volume in interval												10					
CA1201	TB	93.30	93.80	0.50		Short interval which has a lithology similar to the previous trachytic interval, along with similar chlorite rich alteration. The upper contact in this interval is along a fracture and the lower contact appears to be gradational. Perhaps this is an autolith of a slightly different phase of the intrusion?																	

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1201	**TB**	**97.75**	**101.34**	**3.59**	**MMD**	Micro Monzo Diorite (dominant chlorite-Sericite Alt) This micro monzodiorite is comprised of 5-15% 1-3mm chlorite altered mafic phenocrysts (blocky or lath shaped, sub-euhedral), and 40-50% 2-4mm feldspars which are often completely altered and unrecognisable relative to the groundmass; the texture is porphyritic with distinct patches with aligned pheno's forming a trachytic texture. The interval is dominantly chlorite calcite altered, and in most places reacts vigorously to HCl, however there are a few patches, some of which are noted below, that have a strong quartz-sericite overprint. Veining consists of calcite stringers and narrow irregular veins, and an increasing abundance of quartz-pyrite veins, which are similar to and associated with QSP alteration and are typically 30-35 TCA. 2-7% pyrite is disseminated throughout the rock, and the interval is cut by sulfide veins which make the overall py proportion around 7-10%, in a few QSP zones or areas with dense py+qz veins there is 20% py. One thick sulfide vein, noted below contains significant cpy.	CCSP_WM	w			s		m	s		tr		2-7					
CA1201	TB	98.35				Dense pyrite + cpy + calcite vein in the center of a partial QSP overprint zone with increased py disseminated. The vein is 5 cm wide and 50TCA. It is comprised of 80% pyrite 10% cpy and 10% calcite. The cpy occurs in patches closely associated with calcite within the vein.																	
CA1201	TB	100.55	100.94	0.39		Zone with QSP overprint. The rock is much less rich in calcite and has a granular sericite + quartz appearance with handlens. It contains about 20% Py including sulfide veins.																	
CA1201	**TB**	**101.34**	**114.71**	**13.37**	**MMD**	Micro Monzodiorite (Dominant QSP overprint alteration on Chlorite Calcite) The texture of micro monzodiorite in this interval is variably preserved in a few locations where either hornblende or feldspar phenocrysts are present (although in an altered state). The rock is comprised of 10-15% lath shaped hornblende phenocrysts 1-3mm long and smaller lath shaped feldspar phenocrysts. Groundmass is completely altered in this interval, and hbl, where visible is replaced by chlorite, and feldspar are either completely obliterated or altered to sericite. A trachytic texture is visible in a few locations and is dominantly 30 TCA and is paralleled by alteration bands and pyrite quartz bands, suggesting that it may be a structural texture as opposed to igneous. In most locations the rock is strongly quartz sericite altered where the groundmass is comprised of quartz, remnant fld pheno's are sericite and sometimes hbl pheno's are preserved as chlorite, although often there are no remnant hbl pheno's. The rock has patchy calcite alteration which is strongest where not overprinted by	QSP_WM	SIL			m		s	m		tr		20	tr				
CA1201	TB	101.78	102.68	0.90		Zone with very strong QSP and zones/bands of semi-massive pyrite. Overall about 70% pyrite throughout the zone. Consists mainly of clear granular quartz, minor sericite and large proportion of pyrite which occurs disseminated and in bands 30 TCA. Some of the most pyrite rich zones are in slightly cross-cutting pyrite-calcite-quartz veins which are 50 TCA. All veins are x-cut by late calcite stringers.												70					
CA1201	TB	102.70	103.77	1.07		Messed up zone with lots of calcite and quartz veining causing vein breccia in places																	
CA1201	TB	105.12				25 TCA 2.5 cm band/vein which is parallel to the trachytic alignment. Contains dark quartz abundant pyrite blebs, slightly crosscutting calcite/hematite seams (1-2mm). It's like a vein but contains abundant remnant hbl pheno's suggesting that it might be a combination vein/alteration/qz flooding.																	
CA1201	TB	107.45	109.50	2.05		Area with reduced pyrite. About 4-5% volume. Reacts strongly to HCl so it does not have as strong of a QSP overprint as other rock in the interval. Still QSP altered though		w			m		m	s				4-5%					
CA1201	TB	111.04	111.56	0.52		40% py in this zone. Replacement of groundmass and completely QSP altered. X-cut by irregular 1 cm wide calcite vein which has hematite altered purplish wall rock fragments. At bottom of interval it is cross-cut by a narrow calcite vein containing cpy 40TCA.																	
CA1201	TB	111.56	114.03	2.47		Within this interval, although it is still QSP altered there are highly irregular web-like zones with coarse pyrite chlorite and calcite. They are cross cut by, but closely associated with narrow calcite veins.																	
CA1201	TB	113.23				Little pod of cpy at a junction between two quartz-sulfide veins. The late vein contains the cpy (10 TCA; Early vein 30 TCA)																	

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1201	**TB**	**114.71**	**116.13**	**1.42**	**MMD**	Micro Monzonite Different textured rock than overlying unit, but the contact is parallel with alteration banding and the trachytic texture 30 TCA. It is comprised of 70 % blocky to lath shaped 1-3 mm anhedral to subhedral feldspar phenocrysts and a low proportion (about 2%) fine 1mm mafic pheno's in a medium gray semi-translucent groundmass. The rock is a lighter pale green colour than previous unit and reacts strongly to HCl. Feldspars are altered to sericite and calcite, as is the groundmass - chlorite alteration is less evident due to reduced mafics. Calcite stringers x-cut the rock, and there are minor quartz pyrite veins. The groundmass is host to approximately 1-2 % disseminated pyrite	CCSP				w		m	s				1-2					
CA1201	**TB**	**116.13**	**119.67**	**3.54**	**MMD**	Micro Monzodiorite Fine grained green rock with 5-15% sub-euhedral hbl pheno's 1-3 mm, and 20-40% ghosts of 1-2mm feldspar laths, which are completely altered, as is the groundmass. The upper contact is parallel to a trachytic and alteration banding texture in the interval 30 TCA and seems to be banded right at the contact with narrow alternations between rock types over about 20 cm. The rock is banded on a 1 cm to 10 cm scale with dark gray and green layers with indistinct contacts. The rock is strongly quartz-sericite altered and has some remnant chlorite-calcite alteration. Pyrite cubes and blobs are disseminated throughout the sample and occupy about 15-20% volume. There is also pyrite in pyrite+quartz veins and in some larger calcite veins. Some clusters of cpy are present in association with quartz veins (noted below)	QSP_WM	m-s			m		s	w		tr		15-20					
CA1201	TB	117.38				White quartz vein 1.5 cm wide and 15 TCA with 75% pyrite in 5mm wide center and abundan pyrite in QSP altered halo. Selvage has parallel globs of cpy.																	
CA1201	TB	117.73				Very complicated multi-stage vein zone with early quartz-pyrite vein x-cut by calcite vein which has quartz-pyrite rim, which is cut subtly by late pyrite stringers.																	
CA1201	**TB**	**119.67**	**120.80**	**1.10**	**MMD**	Spotty Micro Monzodiorite The distinguishing characteristic of this unit is that it is comprised of a homogenous pale yellow-green groundmass with distinct 2-3mm clumps of fine grained pyrite which phase pseudomorphed the mafic phenocrysts - they occupy about 10% volume. The fine groundmass also includes 1-2mm fine feldspar laths which have been completely altered to sericite. The rock is not calcite altered, and pyrite takes the place of chlorite. It is x cut by calcite stringers and no quartz or sulfide veins are present.	CA	w				?	s					10					
CA1201	**TB**	**120.80**	**126.90**	**6.06**	**MMD**	Micro Monzodiorite (Dominant Chlorite Calcite alt) The micro monzodiorite in this interval is comprised of both the trachytic amphibole phyric lithology and the coarser dominantly feldspar phyric lithology. The two lithologies are gradational and are essentially part of a compositional banding which is pervasive throughout the rock in this hole 30 TCA. The amphibole porphyry consists of 15 % sub-euhedral hbl pheno's in a fine green groundmass which also host more difficult to distinguish sub-euhedral feldspar laths, up to 30% volume. The feldspar porphyry is much paler in colour and has a texture more resembling a granitoid with 60% blocky and lath shaped feldspar pheno's from 1-4mm and 5 % small altered mafic pheno's. The lithologies are gradational. The interval is pervasively chlorite calcite altered with minor weak QSP sections. The interval stands out because of the alteration of mafic minerals to chlorite as opposed to pyrite, and the pervasive strong reaction to HCl. The unit is cross-cut by calcite stringers and minor larger calcite hematite pyrite veins. Pyrite comprises 10-15% of the rock and occurs disseminated in the groundmass in association wit	CCSP				s		w	s				10-15					
CA1201	TB	126.78				10 TCA 5mm banded calcite red hematite vein with very minor pyrite																	
CA1201	**TB**	**126.90**	**136.33**	**9.43**	**MMD**	Monzodiorite Porphyry Homogenous interval of QSP altered monzodiorite with 40% 3-4 mm blocky feldspar phenocrysts and at least 10% mafic pheno's which are mainly altered to pyrite, all in a fine pale white-greenish groundmass. The interval is x-cut by a stockwork of widely spaced quartz-pyrite stringers (about 25 TCA), and contains 5-10% disseminated pyrite. Late white and pinkish calcite stringers cross-cut all structures. The rock is moderately calcite altered, and strongly sericite altered with patchy minor-moderate silica in the groundmass accompanying the sericite.	QSP	m					s	w				7					

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1201	**TB**	**136.33**	**148.01**	**11.68**	**MMD**	Micro Monzodiorite Porphyry with 30% 2-3 mm feldspar phenocrysts and 10% amphibole phenocrysts in a fine grained altered groundmass. In places the rock has a blotchy granitic appearance but on examination with handlens is comprised of roughly aligned mainly lath shaped feldspar and lath to blocky hornblende which comprise a trachytic texture. Alteration is strong quartz-sericite with variable amounts of calcite and chlorite which is prevelant but patchy. Feldspar phenocrysts are completely sericite altered but their ghost is entirely visible and mafic pheno's are partly altered to beige coloured clay, and partly to pyrite, some mafic material is preserved but broken down into subgrains. The groundmass is variably altered to dark and light green and rarely pinkish colour where hematite is present. Calcite veins and stringers are abundant in the interval, and cross-cut a set of pyrite-calcite-quartz veins, which are rich in sulfide and 1-2mm thick. A zone, noted below is very rich in thick calcite +/- chlorite veins, as wells as sulfide veins, and despite having lots of calcite, the wallrock is less	QSP_WM	m-s			m		s	m		tr		7	tr				
CA1201	TB	138.14	144.77	6.63		This interval is strongly quartz-sericite altered and is x-cut by a high concentration of irregular and mutually cross cutting calcite +/- hematite +/- pyrite veins. The wallrock is not particularly reactive to HCl, but does have a lighter colour than the surrounding rock in the larger interval Near the bottom of the interval the rock takes on a slightly reddish bleached appearance, partly as a result of hematite. One especially thick calcite vein (noted below) contains some cpy																	
CA1201	TB	140.24				Here a calcite hematite vein has x-cut and displaced a quartz vein! Weird.																	
CA1201	TB	140.71				30 TCA 3mm qz hematite vein contains a few 1 mm grains of cpy																	
CA1201	TB	142.86	143.11	0.25		Roughly 30 TCA coarse white calcite vein with irregular angular patches of semi-translucent calcite, 20% highly chlorite altered wall-rock fragments, trace pyrite and a trace of cpy. The cpy occurs in clots along the contact between white and clear calcite																	
CA1201	TB	143.11	144.80			Hematite alteration has turned the rock to a slightly reddish colour.																	
CA1201	**TB**	**148.01**	**152.60**	**4.60**	**MDP**	Monzo Diorite Porphyry Not strongly altered, most original textures preserved. The porphyry is comprised of 1-3mm feldspar laths and a few blocky crystals which occupy about 40% volume. Most of the mafic minerals are fully or partly preserved . They are hornblende laths and stubby c-axis cross-cross-sections. The hbl are 1-2mm and occupy at 5-10% volume. Throughout the interval most of the groundmass is an inhomogeneous, almost granular/sucrosic white colour and texture. Alteration of the section is weak, with partial replacement of the hbl to pyrite, and partial replacement of the feldspars to sericite and calcite. The rock reacts weakly to HCl in places, and is cross-cut by a low density of calcite veins. The interval has about 1% pyrite which is disseminated and partly replacing hornblende xl's. No sulfide veins present.	CHP						w	w				1					
CA1201	**TB**	**152.60**	**166.83**	**14.23**	**MMD**	Micro Monzodiorite (moderately quartz-sericite-calcite altered) This interval is distinguished from the previous based on stronger alteration, particular quartz sericite alteration which is accompanied by disseminated pyrite. The rock is comprised of, in most locations, 40% 1-3mm feldspar laths and 10-15% 1-3mm hbl laths and sub-euhedral c-axis cross-sections. The groundmass is altered and aphanitic. Magnetite is disseminated in low concentrations in some of the core. Moderate sericite and quartz alteration is present and most feldspar are completely altered to sericite. The rock reacts weakly to HCl, and a greenish hue suggests partial replacement of the groundmass to chlorite. Hornblende crystals are mainly preserved and are sometimes partly replaced by pyrite and/or chlorite. At the top of the interval feldspa in highly broken core has a pinkish appearance and does not react to HCl possibly suggesting K alteration, however it may be the result of hematite staining. Unlike most of the micro-monzodiorite, this interval has some discrete magmatic textures including a poorly constrained (due to broken core) fine grained phase, and a magmatic breccia with broken fra	CCSP	w-m			w		m	m		tr	tr	4		tr			
CA1201	TB	152.60	154.70	2.10		Possible potassic alteration of groundmass and feldspar. The rock has a pinkish hue. Hard to say if it is hematite staining. The feldspars are hard and not calcite so it's either K-spar alteration or hematite. No other evidence of K-alteration (e.g. magnetite), or reason for this shift in alteration is observed. Some of the section is weakly magnetic due to disseminated magnetite, but this is present elsewhere in the interval as well																	
CA1201	TB	155.35				50 TCA pyrite calcite quartz vein 1.5cm wide																	

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1201	TB	156.58				Site where tiny cpy xl is replacing hbl. This may be more prevalent but difficult to observe due to how super fine grained it might be.																	
CA1201	TB	156.98	157.58	0.60		Fracture zone with chlorite alteration, mainly as chlorite along fracture planes.																	
CA1201	TB	157.23	158.09	0.86		This section is brecciated, looks like a magmatic breccia, (actually looks like a volcanic texture) of sub angular to rounded clasts of mainly crowed micro diorite porphyry (up to abou 70% fld. Pheno's in some clasts) in a fine grained army green porphyry groundmass which has just 5-10% feldspar pheno's. Clasts also include a few sub angular clasts of quartz and strongly QSP altered rock which is semi-massive pyrite. Generally this section has about 10% pyrite.												10					
CA1201	TB	158.13				Band of cpy in a 30 TCA 2-3mm wide quartz vein																	
CA1201	TB	159.89				Here a 20 cm wide section of broken core has a trace of molybdenite on some of the broken surfaces. No apparent change in alteration or veining associated.																	
CA1201	TB	160.15	160.43	0.28		Possible candidate for what caused the magmatic breccia above - here there is a "dike" (contacts are lost in broken rock) of fine grained army green rock with just a few percent 1-2mm feldspar phenocrysts.																	
CA1201	TB	160.99				2.5 cm wide banded calcite pyrite hematite vein. 50 TCA.																	
CA1201	TB	162.48				50 TCA pyrite calcite stringer with a trace of Mo in tiny seams perpendicular to its edge.																	
CA1201	TB	164.05	164.43	0.38		Within this small area there are two complicated quartz calcite cpy py veins which are very rich in cpy. The top vein is roughly 20 TCA and 2 cm wide. It is comprised of angular irregular clots of cpy and py in a mainly quartz vein, with angular interstitial calcite. The cpy comprises 50% of the vein. The lower vein is complicated and comprised of sulfide, quartz and minor calcite bands. It is 8 cm wide, and it's orientation is irregular due to its apparent multi-episodic nature. The quartz bands are white and in places semi-translucent with a purplish tint. Sulfide bands are irregular and comprised of 50% pyrite and 50% cpy. cpy is 20% of the vein volume.																	
CA1201	TB	164.89				Another very complicated vein, but without cpy. This vein/ vein breccia is 10 cm wide 30 TCA and originally comprised of banded and parallel pyrite quartz veins, which are then brecciated and offset by white to pinkish calcite veins. The calcite veins are somewhat brecciated themselves and fragments appear to be floating in porphyry on the margin of the competent vein.																	
CA1201	TB	165.80	173.66	7.86		Highly fractured gravel-like rock, with a lot of pink-calcite fracture surfaces. Probably tectonized.																	
CA1201	**TB**	**166.83**	**170.58**	**3.75**	**MMD**	Micro Monzodiorite Stands out relative to previous interval because it is weakly to strongly magnetic - pervasively, is cross-cut by abundant pink calcite veins and has patchy pinkish alteration of the groundmass, and in places feldspar. The rock is similar to above and comprised of 40% 2-3mm feldspar pheno's and 10-15 1-2mm hornblende phenocrysts. The interval lies within the highly fractured zone described above. Alteration is variable, in place the rock is strongly affected by HCl, elsewhere, and especially where feldspars are altered to a pink colour there is little reaction to HCl. The pink alteration of groundmass may be potassic, but difficult to be definitive as it is so patchy and not associated with veining etc. In most areas feldspar are altered to sericite, and hornblende is partly altered to chlorite in a few patches, although original hornblende is preserved commonly. About 3 % py is disseminated in the rock + minor pyrite associated with calcite veins.	CHSP	w	?		m		m	w				3					

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1201	**TB**	**170.58**	**177.24**	**6.66**	**MMD**	Micro Monzodiorite This interval is no longer magnetic and does not have the pink staining o feldspar or groundmass. It is comprised of the same rock with about 40% 1-3mm feldspar laths and 10-15% hornfels phenocrysts. The alteration is variable but there is pervasive sericite alteration of feldspar pheno's. Chlorite alteration is important in this interval and increases with depth towards the bottom contact. Pyrite is weakly disseminated except in a few noted locations, and occurs in 1-3mm calcite pyrite veins. Altogether approximately 1% pyrite. One calcite stringer was observed to contain blebs of cpy Towards the bottom of the interval there is an increasing abundance of altered autoliths which have rounded to angular shapes, the same composition as the groundmass but different colours as a result of bleaching, less chlorite, or greater sericite alteration. They are quite irregular in places appear to be insitu brecciation rather than clasts.	CCSP_WM	w			m-s		m	m		tr		1					
CA1201	TB	171.65				Discrete faulted zone 5 cm wide with pyrite rich gouge filled breccia 80 TCA																	
CA1201	TB	173.65	177.24	3.59		Beginning of really autolith rich/breccia zone, where the porphyry is affected hydrothermally by the mafic dike which is the next unit. Paler green, darker green, and orange mostly irregular and not always distinct clasts/breccia fragments stand out in a chlorite rich matrix of the unaffected (other than increase in chlorite) matrix. Closest to the lower contact the majority of altered fragments are orange due to alteration of the groundmass to that colour (possibly K-spar?)																	
CA1201	TB		174.35			Narrow zone with strong QSP alteration - flooded with silica. Contains approximately 50% pyrite												50					
CA1201	TB	175.86				2-3mm 50 TCA calcite stringer with minor blebs of cpy																	
CA1201	**TB**	**177.24**	**181.35**	**4.11**	**MD**	Mafic Dike Top contact of the mafic dike with porphyry is lost in strong calcite alteration. The dike is comprised of, near the contacts, aphanitic gray/green rock, and away from the contact approximately 65% 1mm feldspar phenocrysts, + 1% < 1mm cpx phenocrysts, in an aphanitic groundmass. There are also < 1% 2-4mm calcite +/- chlorite amygdules. The dike is magnetic and strongly calcite altered, especially near the contacts, where there is also a chill margin (so probably the glass has altered easily to calcite). The dike is x-cut by unmineralizaed calcite stringers in a random orientation.	CC				s			s									
CA1201	TB	177.24	177.81	0.57		Extremely bleached and calcite altered rock, with little visible texture and x-cut by about 30% volume random oriented calcite veins up to 1-5 cm wide.																	
CA1201	**TB**	**181.35**	**183.79**	**2.39**	**MMD**	Micro Monzodiorite (occurs between two mafic dikes and is strongly calcite chlorite altered). This micro monzonite is occurring between two closely spaced mafic dikes (described above and below), Unlike much of the porphyry this rock is not strongly quartz sericite altered, although in places feldspars are altered to sericite. It is comprised of 30 % blocky and lath shaped 1-2mm feldspar phenocrysts and 5-10% 1-2mm anhedral mafic phenocrysts in a strongly calcite and chlorite altered groundmass. The feldspar are variably altered to calcite and/or sericite, and the mafic pheno's are sometimes altered to chlorite. The rock has a trace of disseminated pyrite and rare narrow calcite-pyrite veins. The contacts are irregular and appear brecciated because they are short though with chlorite veins and bleached from strong calcite alteration.	CC				m		m	s				tr					
CA1201	**TB**	**183.80**	**189.99**	**6.19**	**MD**	Mafic Dike Top contact of the mafic dike with porphyry may be coincident with a 30 TCA fracture. The dike is comprised of, near the contacts, aphanitic gray/green rock, and away from the contact approximately 65% 1mm feldspar phenocrysts, + 1% < 1mm cpx phenocrysts, in an aphanitic groundmass. There are also < 1% 2-4mm calcite +/- chlorite amygdules. The dike is magnetic and strongly calcite altered, especially near the contacts, where there is also a chill margin (so probably the glass has altered easily to calcite). The dike is x-cut by unmineralizaed calcite stringers in a random orientation.	CC				s			s									

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1201	**TB**	**189.99**	**196.51**	**6.52**	**MMD**	Micro Monzodiorite comprised of 30% 1-3mm feldspar laths and 10-15% hornblende pheno's in an altered orangish to green groundmass. The rock in this interval is moderately quartz-sericite-pyrite altered, and has a strong chlorite-calcite component as well. It is weakly to strongly magnetic due to finely disseminated, probably magmatic magnetite. The chlorite/calcite component of the alteration gives it a slightly darker green colour than strongly sericite altered rock. 1-2% pyrite is disseminated through the rock, especially at the site of mafic phenocrysts. The rock is cross-cut by a moderate density of 2-3mm wide randomly oriented calcite-quartz-py-cpy veins, which occur about 3/m. They contain just a few tiny blebs of cpy and fine disseminated py.	CCSP_WM	w			m		m	m		tr		2					
CA1201	TB	193.01	253.59	60.58		Extremely fractured gravel-like rock, lots of faults, including areas with fault gouge - noted below																	
CA1201	**TB**	**196.51**	**200.03**	**3.52**	**MMD**	Micro Monzodiorite (strongly QSP altered) This rock is the same plagioclase and hbl porphyritic monzodiorite as described above and below, but here it has a lighter colour from sericite and quartz alteration of the groundmass. It is non-magnetic and contains abundant pink calcite, pyrite-calcite and pyrite quartz-veins which do not contain visible cpy. Feldspar pheno's are completely altered to sericite, and mafic pheno's are unusually well preserved with the exception of partial pseudomorphing by pyrite. Pyrite disseminated in the groundmass, mainly at mafic sites is about 2% volume, but in combination with veins about 4-5% volume on average.	QSP	m-s					m-s	m				4					
CA1201	TB	199.90				15 cm wide zone with abundant pyrite-quartz, pyrite-calcite veins and x-cutting late calcite, strangely, no cpy.																	
CA1201	**TB**	**200.03**	**205.75**	**5.72**	**MMD**	Micro Monzodiorite (calcite-chlorite-sericite-quartz-pyrite alteration) This interval is QSP altered but maintains a chlorite calcite alteration as well which manifests itself as many chlorite fracture surfaces, strong reaction HCl, a darker green alteration to the groundmass and the rock is weakly to strongly magnetic due to preservation of magmatic magnetite. Feldspar are still completely altered to sericite and pyrite is disseminated especially at mafic sites. The rock is comprised of about 30% 2-3mm feldspar laths and 10-15 1mm hbl crystals. It is x-cut by fine calcite-quartz-pyrite-cpy veins, with cpy being very rare, fine to coarse pyrite veins, some of which are open space filling and include 1cm + euhedral pyrite cubes with minor calcite and/or quartz. One vein noted below of calcite and hematite has a band of cpy. The rock is really broken and many of the surfaces are "painted" with pyrite or pink calcite. Overall pyrite concentration is 2%	CCSP_WM	w			m		m	m		tr		2	tr				
CA1201	TB	200.74				Irregular band about 5 TCA and 3-4mm wide of pink calcite and red hematite contains discontinuous band 1.5mm wide of cpy.																	
CA1201	TB	202.46	203.08	0.62		Within this interval there are least three occurrences of 1cm intergrown coarse and fine pyrite with minor interstitial calcite. Because the core is completely fractured actual thickness and orientation are unknown																	
CA1201	**TB**	**205.75**	**209.32**	**3.57**	**MMD**	Micro Monzodiorite (Sericite-Quartz-chlorite-calcite) This interval is more strongly QSP altered than the previous; it contains more disseminated pyrite and is only weakly magnetic in a few locations. It is comprised of 30% 2-3mm feldspar laths 1-3mm and often completely altered and unrecognisable hbl pheno's rarely up to 3mm (sub-euhedral). The rock has suffered moderate to strong QSP alteration, and where strongest all feldspar and hbl are altered to sericite, elsewhere hbl are altered to chlorite. Much of the interval reacts only weakly to HCl. The interval is x-cut by a random calcite stockwork and moderate density of quartz-pyrite veins, some of which are several cm thick with portions that host coarse euhedral pyrite (partial open space filling?), a very low density of red hematite-pyrite-calcite veins are also present, and unlike in the previous interval, they do not seem to host cpy. Most of the fractured surface of this highly-broken core are sprinkled with pyrite suggesting that there is a dense network of narrow pyrite stringers which were the focus of fracturing.	CCSP	w			m		m-s	w				4					
CA1201	TB	208.17				Massive pyrite with interstitial quartz vein 4.5 cm thick 70 TCA. Fine pyrite banded with clear quartz on the up-hole side, and coarse euhedral open space filling pyrite on the down hole side.																	

Hole_ID	Geo	From m	To m	Width m	Rock Code	Description	Alteration Code	Alteration SIL	OR	BI	CH	EP	SER	CAL	Other	Mineralization CP	MO	MS	MT	HT	LIM	MAL	Other
CA1201	**TB**	**209.32**	**214.62**	**5.30**	**MMD**	Micro Monzodiorite (Chlorite sericite pyrite altered) This interval is comprised of moderately magnetic rock with about 30% 1-3mm plagioclase laths and about 3% blocky 2-3 mm sometimes concentrically zoned pheno's which are probably K-feldspar. Mafic pheno's are not well preserved but probably occupied 10-15% volume. The rock is strongly chlorite-calcite-sericite altered. The feldspar are completely altered to sericite, some mafic minerals are obliterated or altered to sericite and/or chlorite+pyrite such that they are not noticeable as original phases. The rock reacts moderately to strongly to HCl and chlorite or sericite and pyrite are abundant on the fractured surfaces of this HIGHLY fractured rock. The interval is x cut by abundant calcite stringers, minor < 1mm pyrite stringers, and rare coarser hematite-calcite veins or coarse calcite veins. traces of cpy are present in some calcite veins. The interval has about 1-2% disseminated and vein/stringer related pyrite	CHSP				m		m	m		tr		1-2					
CA1201	TB	211.00				<1mm 20TCA calcite vein with a trace of cpy																	
CA1201	TB	211.89				50 TCA 6mm wide vuggy irregular calcite vein with a trace of cpy																	
CA1201	TB	212.47				cpy on a fracture surface 30 TCA, probably originally a cpy+py+calcite vein																	
CA1201	**TB**	**214.62**	**225.58**	**10.96**	**MMD**	Micro Monzodiorite (K alteration, as well as chlorite and sericite - overprints/overprinted) The porphyry in this interval is similar in composition to the previous interval from 214.62 to near 218.20 where the rock transitions into the more typical porphyry which contains mainly feldspar laths and no blocky and zoned K-spar pheno's. Both varieties of porphyry contain about 30% plagioclase laths which are 1-3mm and unlike in the previous interval, here hornblende crystals are often preserved as 10-15% 1-3mm sub-euhedral crystals. Minor trachytic texture is developed in a few location and is approximately 20 TCA. The rock has suffered potassic alteration which variably altered the composition of the k-spar pheno's, turning them a distinct pinkish colour (where as they are more typically pale cream coloured), or alteration the groundmass causing it to have a pink colour. Where feldspars are K altered they are still very hard, but where the groundmass is altered it still easily scratched indicating that feldspar replacement of the groundmass is incomplete. A few very small and minor	KCSP_WM	w	m		m		m	w		tr		1	tr	tr			
CA1201	TB	214.62	218.20	3.58		In this interval the rock has suffered partial textural destruction and is possibly brecciated? It has a very mottled and irregular appearance and lots of chlorite alteration overprinting the K-spar.																	
CA1201	TB	216.99				Discontinuous 2mm wide banded quartz magnetite vein																	
CA1201	TB	217.94				Another fragment of a 2mm wide banded quartz magnetite vein																	
CA1201	TB	220.22				20 TCA 2mm wide vein with a vug in the middle with a seam of cpy.																	
CA1201	TB	220.88				A fracture surface with chlorite has a strongly K-altered selvage . 60 TCA																	
CA1201	TB	221.80				20 TCA 2mm wide banded quartz vein with a few blebs of cpy on edge																	
CA1201	TB	222.48				cpy on fracture surface with pyrite and sericite																	
CA1201	TB	224.01				Two parallel 1mm quartz cpy veins 20 TCA																	
CA1201	**TB**	**225.58**	**235.86**	**10.28**	**MMD**	Micro Monzonite (weak-moderate K-spar, moderate to strong sericite) This interval is comprised of 30-40 % 1-3mm plagioclase laths completely altered to sericite, and 15-20% sub-euhedral hbl phenocrysts 1-3mm in a fine clay, sericite or K-altered groundmass. The rock is moderately to strongly sericite altered and patchy weak to moderate K-spar alteration is represented in the groundmass of the rock where k-spar replacement is occurring, lending the rock a orangish-pink hue. Hbl crystals are surprisingly well preserved and therefore chlorite alteration is weak to absent. The rock reacts weakly to HCl and is non to strongly magnetic in closely spaced intervals indicating local variations in magnetite concentration. As with previous interval there is a visually dominant set of white calcite stringers, and sub mm pyrite seams are abundant; the calcite stringers occasionally have a speck of cpy. This interval has an increased concentration of narrow banded quartz vein with pyrite rims and centers. It also contains coarse calcite veins with red and specular hematite and commonly clots of cpy and/or pyrite. Overall the rock contains about 2-3 % pyrite.	KSP_WM	w	w-m				m-s	w		tr	tr	2-3	tr	tr			
CA1201	TB	225.96				Dense quartz pyrite stockwork. Comprised of 1-3mm wide totally irregular and cross-cutting banded clear and smoky quartz veins that have <1mm pyrite in center and/or along edges. The quartz stockwork occupies about 5% volume. It is cross-cut by a later white calcite stockwork. One particularly thick (4 mm) quartz vein is banded with red hematite 30 TCA.																	

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1201	TB	226.60				Coarse white and pink calcite vein (on fracture surface) with gobs of cpy. 40 TCA. X-cuts quartz veins																	
CA1201	TB	226.87				3 cm wide clear and smoky quartz with 70% pyrite vein 40 TCA. Has increased pyrite in wall rock for approximately 5 cm halo on each side.																	
CA1201	TB	231.28	233.20	1.92		Zone with increased density of quartz pyrite +/- calcite +/- hematite +/- cpy stockwork. About 10/meter - x-cut by coarse calcite stockwork veins as well.																	
CA1201	TB	235.25				6mm 30 TCA quartz veins with bands of pyrite + cpy, calcite, and a little pod of Mo																	
CA1201	**TB**	**235.86**	**239.56**	**3.98**	**MMD**	Micro Monzodiorite Non to moderately magnetic moderately quartz-sericite altered rock with minor chlorite and calcite alteration, and a few traces of K-silicate alteration around some sulfide veins. The rock is comprised of 40% sericite altered feldspar laths, 15% stubby and lath shaped hbl pheno's which are mainly also altered to sericite, in a light greenish altered groundmass. In places a 20 TCA trachytic texture is apparent. The rock is x-cut by calcite stockwork and an earlier quartz-calcite +/- pyrite +/- cpy stockwork, and narrow < 1mm, pyrite seams. A trace of cpy occurs in each of these veins as well as in late coarse calcite veins. The rock is highly fractured and molybdenite paint is apparent on some of the fracture surfaces and is sometimes associated with minor amounts of cpy. Overall pyrite concentration is about 4%	QSP_WM	m-s	w		w		m-s	w		tr	tr	4	tr	tr			
CA1201	TB	236.47				60 TCA coarse banded calcite pyrite cpy vein with coarse cpy																	
CA1201	TB	236.85				Mo paint on fracture fragment																	
CA1201	TB	237.20				Coarse cpy in 2.5 mm banded quartz vein in gravel fragment																	
CA1201	TB	237.55	238.56	1.01		Abundant Mo on fractured surfaces of completely broken up core																	
CA1201	TB	239.30				Fault repeated and truncated 2 cm wide quartz Pyrite vein																	
CA1201	**TB**	**239.56**	**250.50**	**10.94**	**MMD**	Micro Monzodiorite (moderately K-spar altered with strong sericite alteration minor calcite). This Interval is comprised of typical MMD porphyry with 30-40% 1-3mm feldspar laths and 10 15% 1-3mm hbl sub-euhedral phenocrysts in an altered and aphanitic groundmass. The rock has suffered variable amounts of K-spar alteration, pervasive weak Kspar alteration of the groundmass covers the whole interval and in a few locations the rock is blasted with k-silicate which replaces all but the phenocrysts which are pervasively altered to sericite. In some places there are remnant hbl pheno's. The K-alteration is accompanied by disseminated magnetite and a few minor quartz magnetite veins. Towards the bottom of the interval clay alteration overprints some of the sericite and k-spar as the hole approaches a major fault which is noted below this section. narrow quartz pyrite, and calcite pyrite veins are the dominate veining, and both contain traces of cpy. Molybdenite is rarely present in these veins but is abundant as thin paint on many of the fracture surfaces in this highly fractured interval. I estimate assays from this interval would run .01-.02 Mo. Pyrite is weakly dissemina	KSP_WM	w	m-s				m-s	w		tr	tr	1-2	tr				
CA1201	TB	239.66	240.11	0.45		Zone with strong k-silicate alteration. The entire groundmass of the rock is distinct homogenous pink colour. The rock is really shot through with calcite veins that have a trace of cpy.																	
CA1201	TB	240.20				Fragment of core which is completely shot through with criss-crossing pyrite veins making semi-massive sulfide																	
CA1201	TB	240.60				35 TCA 1mm calcite vein with cpy and Mo																	
CA1201	TB	241.75	242.23	0.48		Zone of strong K-silicate alteration. Lots of calcite veins with cpy and Mo. Mo on fracture surfaces																	
CA1201	TB	242.50				3 cm long fragment of 3 mm banded quartz magnetite vein.																	
CA1201	TB	246.32				Narrow fault zone with ground up core, rock and clay.																	

Hole_ID	Geo	From m	To m	Width m	Rock Code	Description	Alteration Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1201	TB	248.20	248.81	0.61		Section of unidirectional-solidification-texture. Unfortunately it is only preserved in gravel sized pieces in the core. Interestingly, it occurs at 30 TCA, about the same as other main structures including many Cu bearing veins and trachytic texture. It is comprised of porphyry rock with about 20% stubby and lath shaped phenocrysts and 5% 1mm hbl or bt? pheno's which are hosted in alternating and wavy bands of quartz or feldspar. The bands range in width from 1-8mm, with the quartz bands appearing medium gray and semi-translucent, and the feldspar bands being pale pinkish. Phenocrysts cross the boundary between bands, but sometimes the bands warp around the pheno's, probably partly causing the wavy texture. Within the UST there are clasts of coarse and altered porphyry rock which the UST banding also wraps around, but with condensed bands near the xenolith. The UST contact is difficult to discern because it is in rubbly core, but it appears to grade into regular porphyry with less abundant banding, and then none at all.																	
CA1201	**TB**	**250.50**	**253.06**	**2.56**	**MMD**	Micro Monzodiorite in fault zone All broken into tiny pieces, or fragments in gouge. Contains 2% py. X-cut by calcite stringers and pyrite stringers. Strongly calcite altered.	CA				w			s				2					
CA1201	TB	250.85	251.12	0.27		section of clay and calcite cemented fault gouge																	
CA1201	**TB**	**253.06**	**255.68**	**2.62**	**MD**	Mafic Dike in Fault Zone This interval is comprised mainly of an andesitic-mafic fine grained dike with 5% 2mm feldspar phenocrysts and 1-2% tiny black mafic phenocrysts in a dark gray aphanitic groundmass. Where least altered the rock is highly magnetic and reacts vigorously to HCl. However, because it is in a fault zone many locations are highly altered, bleached, attenuated and unrecognizable. In addition there are sections of gouge and fragments of altered porphyry rocks. Pyrite is abundant in some of the gouge but not present in the mafic dike. The dike is however x-cut by calcite stringers. Edge of gouge is 50 TCA	CC				S			S									
CA1201	TB	253.68				Strongly K-spar altered angular fragment which looks like it might be part of an original contact with mafic dike																	
CA1201	TB	253.72	254.28	0.56		Strongly faulted zone with mainly calcite and clay cemented gouge. 5% py																	
CA1201	TB	254.38	255.68	1.30		mainly coherent un-faulted section of mafic dike. Bottom contact is 50 TCA.																	
CA1201	**TB**	**255.68**	**277.64**	**21.96**	**MMD**	Micro Monzodiorite (K-spar flooded) This interval begins in a fault and ends in a fault (both noted below) and the rock in-between is the most competent core anywhere in the hole. It is comprised of k-spar flooded feldspar-hbl porphyry, but the original texture is almost completely obscured by Kspar flooding. The alteration is patchy near the top of the interval where faulting has juxtaposed moderately altered rock and strongly altered rock. Elsewhere the rock changes in colour from a pale waxy greenish colour to buff to slightly pinkish, but all of the above are completely k-spar flooded. The rock reacts weakly to HCl and is mainly non magnetic. It's most distinguishing feature is a spotty texture which is caused by clumps of pyrite +/- chlorite which are somewhat evenly dispersed and about 2mm in diameter, in the otherwise homogenous rock; these are likely nucleated on original hbl crystals. The interval is x-cut by abundant calcite veins, which are highly irregular and blow out into clots etc. and increase in density closer to the faults on either end. The rock also has abundant very fine	KF_WM	w	s					w		0- tr		6-7					
CA1201	TB	255.68	256.79	1.11		This part of the interval is strongly affected by faulting, the rock is really soupy with rapid and gradual changes in colour and alteration; lots of calcite veins, sections of gouge and faulted contacts and gravel sized pieces with clay and calcite. Minor amounts of probable foreign rock - i.e. the mafic dike are probably present. Specific sections of especially discrete faulting are noted below.																	
CA1201	TB	256.08				Discreet 90 TCA fault plane with gouge and crushed rock																	
CA1201	TB	256.60				Pyrite "spots" are attenuated into pods which are all oriented 20 TCA, creating a type of foliation.																	
CA1201	TB	256.86				Impressive vein with thick coarse cpy. The vein is composite and at least 7 cm wide. It is comprised of clear to smoky quartz, pinkish calcite and massive cpy. The cpy forms a 1 cm band at the wall rock contact and is within the quartz; down-hole of the quartz cpy band which is about 3 cm wide, there is massive pink calcite vein which some branches of the massive cpy extend into.																	
CA1201	TB	257.71				Discreet fault zone with 90 TCA fault plane with gouge and fine rock powder																	

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1201	TB	258.39	259.69	1.30		Major focus of the fault zone, where there is lots of calcite cemented clays and gravel, and discrete fault planes all at a high angle TCA.																	
CA1201	TB	261.39				70 TCA discrete faulted zone with gouge and gravel.																	
CA1201	TB	264.08	260.71			Discreet faulted zone, full of gravel																	
CA1201	TB	264.46				Gypsum vein, semi-translucent greenish colour, joins with calcite vein. 60 TCA 4-5 mm wide. X-cuts pyrite stringers.																	
CA1201	TB	272.69	273.30	0.61		Within this interval there is a pseudo-breccia where (for this interval) unusual rock with visible porphyry texture and remnant mafic phenocrysts is in angular and in places smooth curved contact with K-spar flooded and altered rock. The interval is moderated quartz altered so if that was prior to K-spar flooding it may have aided in preserving some of the original texture/mineralogy. The interval has increased pyrite up to 18% volume																	
CA1201	TB	274.00	281.98	7.98		Approximate boundary of rock which is sporadically affected by faulting. The core of the fault which has lots of gouge and calcite/clay healed breccia extends from 276.59-278.63. Most discreet surfaces within the faulted zone are 70-80 TCA.																	
CA1201	**TB**	**277.64**	**286.81**	**9.17**	**MMD**	Micro Monzodiorite (Starts in fault zone described above) This interval is dark to medium green with distinct blackish irregular shaped mafic phenocrysts, which are hornblende that has been replace and overgrown by patches of chlorite and pyrite, often extending well past the original position of the hbl. These mafic pseudomorphs occupy about 20% volume. The groundmass occasionally has visible feldspar pheno's which are either preserved, altered to k-spar or sometimes sericite altered. The feldspar pheno's, where visible occupy about 25% volume and are 1-2mm often blocky crystals. The groundmass is medium greenish and sometimes quite hard, there may be some K-spar or quartz alteration of the groundmass; sometimes it partly comprised of red hematite. The rock is mostly non-magnetic and has suffered moderate calcite alteration of groundmass and phenocrysts. Pyrite is disseminated and on mafic sites, and occupies about 1% volume. Calcite stringers x-cut the rock and contain some pyrite. There are very few quartz-pyrite, veins or pyrite stringers, although density of these increases towards the bottom of the interval. The bottom contact is transitio	CCSP	w-m	w		s		m	m				1		tr			
CA1201	TB	285.07	286.81	1.74		Begin picking up bands of K-spar alteration around calcite veins between here and bottom of interval																	
CA1201	TB	285.24				23mm wide semi-massive pyrite banded with quartz vein 60 TCA																	
CA1201	TB	286.54				2 cm wide 50 TCA banded quartz vein with center 3mm calcite cored by pyrite																	
CA1201	**TB**	**286.81**	**296.10**	**9.29**	**MMD**	Micro Monzodiorite This interval is moderately to strongly K-spar flooded. The groundmass and feldspar pheno's are not apparent in most sections of core, and the mafic pheno's are mainly present only as clumps of pyrite +/- chlorite. The intensity of the K-spar alteration is reduced near the bottom of the interval where feldspar pheno's are observed but completely replaced by sericite. In these locations the feldspar occupy 20--30% volume and are comprised of euhedral laths. Mafic pheno's are probably about 10% volume judging from the amount of pyrite replacement patches. The rock does not react to HCl and is non-magnetic. It is cross-cut by calcite +/- pyrite stringers and veins, as well as in a few locations quartz-pyrite stockwork. The stockwork is not well developed except in a few noted locations. Pyrite is abundant at mafic sites, disseminated and in veins equalling about 5% vol. The bottom of the interval has a fault (noted below) and is in contact with a dike. The top contact is gradational.	KF		m-s		w		m					5					
CA1201	TB	287.12				Composite and complicated 10 cm wide vein comprised of coarse vuggy calcite pyrite which x-cute both 1 cm wide pyrite + quartz vein and quartz + minor pyrite vein. Calcite vein 80 TCA.; pyrite 30 TCA.																	
CA1201	TB	287.63	287.89	0.26		Zone with dense quartz-calcite stockwork. About 25% volume of the rock is comprised of 50 - 80 TCA 2-5mm quartz veins with calcite pyrite cores. This stockwork is x-cut by calcite veins																	
CA1201	TB	289.73	290.17	0.44		Section where 1/2 of core is cut by an irregular 0 TCA yellowish-white calcite vein with lots of partly weathered out wall rock fragments.																	
CA1201	TB	290.79	291.01	0.22		Dense stockwork of 1 mm wide quartz pyrite veins.																	

Hole_ID	Geo	From	To	Width	Rock Code	Description	Alteration Code	Alteration								Mineralization							
		m	m	m				SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1201	TB	291.21	291.75	0.54		Faulted zone with lots of broken rock, tiny fragments in silt - either side are strongly K-altered																	
CA1201	TB	293.25	296.10	2.85		K-spar alteration is now patchy and interspersed with areas where feldspar pheno's are preserved but completely altered to sericite.																	
CA1201	TB	294.74				Within the sericite altered porphyry there is an ovid clasts 3 cm wide of completely quartz-hematite-pyrite altered something, with a chlorite reaction rim around it - altered xenolith?																	
CA1201	**TB**	**296.10**	**300.89**	**4.79**	**FPD**	Crowded Feldspar Porphyry Dike comprised of 8% 4-8mm beautifully euhedral, zoned, and sometimes twinned K-spar phenocrysts + 70% 2-4mm blocky plagioclase columns and laths in a barely phaneritic groundmass that appears to be comprised of quartz and a mafic mineral (biotite?), as well as about 1% disseminated fine pyrite. The dike is medium to dark green and the feldspars are altered to sericite and have a greenish hue. The interval is x-cut by a moderate density of calcite veins and the entire rock is strongly calcite altered and reacts vigorously to HCl. It is moderately magnetic in places. The upper contact is sharp and 85 TCA upper contact. The overlying rock is strongly calcite altered and has increased calcite veins. There is not much of a chill margin but there is minor phenocryst alignment along the dike margin. The lower contact is in highly faulted rock	CA						s	s				1					
CA1201	TB	298.86				Discreet crush faulted zone 70 TCA																	
CA1201	**TB**	**300.89**	**304.27**	**3.38**	**Fault**	Faulted Zone with at least three different lithologies, including altered micro monzodiorite, crowded feldspar porphyry, and a very fine grained green sparsely feldspar phyric rock. The different lithologies are all jumbled up with either sharp contacts, or with lots of jumbled up fault breccia clasts. The fault also has some gouge zones.					m		m	s				1					
CA1201	TB	303.74				10 cm fragment of highly altered monzodiorite with strong QSP alteration. Contains dense quartz veins and pods of pyrite + chlorite.																	
CA1201	**TB**	**304.27**	**327.02**	**22.75**	**MMD**	Micro Monzodiorite This interval is mottled in colour due to three unrelated causes: 1) remnant effect of the nearby overlying fault which is still jostling things up a little bit; 2) frequent changes in the alteration regime from moderate quartz-sericite-chlorite alteration, to stronger quartz-sericite alteration; 3) a dense stockwork of white to clear to pink gypsum veins which sometimes have broad halos of slightly lighter coloured rock. It is comprised of micro monzodiorite porphyry with about 40% 1-2mm feldspar phenocrysts and 10-15 % hbl pheno's in a greenish to clear/white groundmass which is completely altered. Some of the greener mottled sections have original hbl crystal shapes which are partly to fully altered to chlorite; where the rock has the strongest QS alteration there are no remnant hbl and the rock is entirely quartz sericite and pyrite. Greenish rock, which has significant chlorite alteration is really mottled as a result of bleaching around calcite and gypsum veins. The rock is mostly non-magnetic and only reacts to HCl at and near calcite stringers. The interva	QSP	m-s			m		s					4-8					
CA1201	TB	306.51				In this location a 2 mm pyrite seam is cross cutting a calcite vein, but is cross-cut by a gypsum vein. Therefore 1) calcite, 2) pyrite, 3) gypsum, in this location.																	
CA1201	TB	311.26				particularly wide pink somewhat banded gypsum vein. 2.5 cm wide 40 TCA																	
CA1201	TB	311.95				40 TCA 4 cm wide zone with abundant near-parallel pyrite + chlorite veins which appear to cross-cut pink calcite-pyrite veins.																	
CA1201	TB	312.68				Area with a bunch of splitting and joining pyrite chlorite veins roughly 30 TCA which x-cut pinl calcite.																	
CA1201	TB	315.98	316.36	0.38		4 totally irregular 1 cm wide pyrite chlorite veins in this section.																	
CA1201	TB	319.33	319.86	0.53		This area has patches and clasts? with moderate k-spar flooding. The feldspar and groundmass are indistinguishable hard, light coloured mineral with abundant clots of pyrite, probably after the mafic phenocrysts..																	
CA1201	TB	319.47	305.02			This portion at the beginning of the interval is a fault breccia with abundant angular and closely fitting pieces of altered porphyry rock which is x-cut by abundant quartz pyrite chlorite veins/clots that are cross cut by calcite and gypsum veins.																	

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1201	TB	320.17	322.56	2.39		Distinct textural/alteration variety within the interval. Most of the rock in this section is comprised of plagioclase pheno's which are completely altered to a white clay, and mafic pheno's that are altered to pyrite, in a quartz rich groundmass. The rock is strongly QSP altered in most locations, although the alteration is still somewhat patchy. X-cut by an increased amount of Qz-py veins.																	
CA1201	TB	321.65	321.85	0.20		This interval contains two composite banded 2.5 cm wide veins with chlorite rims, and quartz cored by calcite and pyrite in the centers. 35 TCA.																	
CA1201	TB	323.16	323.32	0.16		Very narrow dike of aphanitic altered glass pale green dike with a few % tiny altered feldspar and mafic? Phenocrysts. Top contact 50 TCA and sharp, bottom contact is irregular.																	
CA1201	TB	323.70				A drillers block at this depth indicates that the core was dropped down the hole																	
CA1201	TB	324.28				At this location there is re-drill of dark green porphyry which is in distinct contrast to the lighter strongly QSP altered porphyry which it is in "contact" with down-hole																	
CA1201	**TB**	**327.02**	**332.46**	**5.44**	**MMD**	Micro Monzodiorite The texture of this rock is mostly obliterated. It has suffered from k-spar flooding and a partial quartz-sericite-pyrite overprint. The rock consists of cream to pinkish coloured fairly homogenous rock which has a spotty appearance due to about 7-10% 1-3mm clusters of pyrite, which may be after the mafic phenocrysts. The interval is x-cut by pyrite stringers, pyrite-calcite stringers and quartz-pyrite veins, some of each variety have impressive silicified halos. The interval is also crosscut by late fine to coarse white to pink calcite veins, one of which contains the only cpy observed in the section (it's a big clot noted below). Gypsum veins are not present in the interval. The rock is non-magnetic and only reacts to HCl where calcite veins are present. Pyrite comprises about 8-10% volume of the rock; as disseminated py, pyrite clots at mafic sites, and in veins and stringers.	KSP	m-s	s				m			tr		8-10					
CA1201	TB	327.02				Right at the beginning of the interval there is a stockwork of calcite pyrite and pyrite stringers which have silica rich selvages. 0 TCA																	
CA1201	TB	327.10				10 cm wide 50 TCA composite clear quartz + white quartz (stained red from hematite) and calcite vein with 10% pyrite.																	
CA1201	TB	327.17	327.77	0.60		Faulted zone; main fabric is 50 TCA and is comprised of brecciated and clay altered rock with many regularly spaced fracture surfaces and some minor gouge																	
CA1201	TB	328.93	329.36	0.43		Section is cut by a few wavy approximately 20 TCA 2mm pyrite + calcite veins with 1 cm wide strongly silica altered selvages																	
CA1201	TB	330.02				Totally irregular calcite flooding of the rock in this area; calcite hosts a 1 cm wide irregular clot of cpy																	
CA1201	**TB**	**332.46**	**336.29**	**3.83**	**FD**	Felsic Dike This interval is comprised of completely aphanitic medium green coloured rock which is altered in a very blotchy pattern to varying degrees of orangish-red - probably limonite alteration. The rock is quite hard, it can be scratched with hard steel (5.5), but not deeply like the intermediate rocks in the same well. Rock is x-cut by abundant calcite and a low density of quartz veins, which are most typically at a high angle TCA. A trace of finely disseminated pyrite is throughout the unit. Top contact is 55 TCA, bottom is 50 TCA but fault modified. The interval is non-magnetic and does not react to HCl.									limonite			tr					
CA1201	TB	334.82				Here there is a 2 cm wide 50 TCA calcite vein with 30% angular fragments of wallrock . In the wall rock there are a few bubble-gum pink blotches - rhotocrosite?																	
CA1201	TB	335.97	336.29	0.32		The bottom of the interval contains 8% irregular chlorite+calcite amygdules. Towards the bottom the amygdules become up to 1 cm long and 2mm wide and are oriented 0 TCA.																	

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1201	**TB**	**336.29**	**337.82**	**1.52**	**MMDB**	Micro Monzodiorite Porphyry breccia (Magmatic-Hydrothermal?) within a fault zone. This is a curious section of rock which is difficult to classify because it is comprised of a breccia, which is only partly related to faulting, but which coincides with the beginning of a significant zone o faulting. The fault zone itself, described below includes a mafic dike, and fragments of mafic dike are interspersed with the this intervals porphyry rocks due to faulting; below the fault (non faulted) brecciated porphyry continues... This rock is strongly altered in a myriad of ways, partly due to faulting, and is distinguished from the overlying rhyolite and underlying mafic dike by the presence of up to 35% feldspar laths in fragments of the least altered rock, which are quite rare. It has a different alteration habit and fracture pattern then both the overlying and underlying dikes. The rock appears to be a breccia similar to the breccia exposed below the fault; this is presumed from occasional "clast" like pieces, which are distinguishable from matrix or other clasts, however alteration and veining obscure much of th	QSP_SM	s	w		s		s	s		0.25		5					
CA1201	TB	336.30	340.30	4.00		A zone of significant faulting begins roughly at the beginning of the above described interval. It is bounded on both sides by a unit of magmatically/hydrothermally brecciated porphyry but contains a mafic dike within its core. The fault has made clay coated rubble of the rock between 388.25 and 340.30. Strong chlorite and calcite alteration are present in the crush zone as well as on either side of the faulted area. A faint 40 TCA grain to the fault is present																	
CA1201	TB	337.47	337.82	0.35		Strongly silicified section. Where not completely quartz flooded there are 60% volume parallel 4-5mm quartz veins 70 TCA (but maybe fault modified). This interval contains about .5% cpy.		s															
CA1201	**TB**	**337.82**	**339.60**	**1.78**	**FPD**	Mafic/Intermediate Dike This interval is in the middle of a fault zone (described above). The rock is milled green pyritic rock. The most coherent, unaltered fragments have a hint at the texture of the crowed feldspar porphyry which was encountered higher in the hole (296.10). The fault fragments have about 1% pyrite and are x-cut by calcite veins. Surprisingly there is a well preserved upper contact which shows a definite chill margin 85 TCA.	CC				s			s				1					
CA1201	**TB**	**339.60**	**347.00**	**7.40**	**BX**	Phreato-Magmatic (and hydrothermal?) Breccia This is a very complicated interval. It appears to be comprised of a variety of sizes from 1mm to 5 cm angular fragments hosted in a pinkish sucrosic to aphanitic aplite, which occasionally has visible 5% altered feldspar phenocrysts. The fragments are of a lithology which is highly-susceptible to QSP alteration and no original texture is observed. The fragments are soft relative to the aplite, and have a medium gray semi-translucent appearance. The entire rock is blasted with quartz-sericite-pyrite-tourmaline alteration which manifests itself as disseminated pyrite and tourmaline in all lithologies, as well as pyrite, pyrite-tourmaline seams and quartz-pyrite seams. Because the quartz-pyrite seams/veins look nearly identical to the strongly QSP altered clasts in the breccia the aplite sometimes looks like it is brecciated by the lithology which elsewhere forms the breccia fragments; this is however not the case, rather the late veining has created a secondary hydrothermal breccia of the entire thing. In at least one location there is a proper hydrothermal breccia with pyrite tourmaline matrix hosting a variety of angular fragments. Th	QSP	s			w		s					7					
CA1201	TB	339.60	347.74	8.14		Completely faulted interval. All gravel and gouge.																	
CA1201	TB	342.04				30 TCA 1.5 cm wide pyrite quartz vein with gypsum lining its wall rock contact. X-cutes the breccia fabric. Mainly pyrite.																	
CA1201	TB	342.61	343.54	0.93		Fairly intact aplite. Here some altered feldspar pheno's are apparent. The rock is still shot through with hydrothermal quartz-pyrite-tourmaline seams.																	
CA1201	TB	345.83				Aplite is cut by tourmaline and pyrite veins, and then x-cut by gypsum-calcite vein.																	
CA1201	TB	346.42				Impressive hydrothermal breccia with a pyrite-tourmaline matrix. Contains angular clasts of both aplite and the other QSP altered lithology																	
CA1201	**TB**	**347.00**	**348.08**	**1.11**	**IV**	Intermediate Volcanic? Totally QSP altered greyish-green rock with a consistent foliation defined by slight compositional variations which affect the colour and amount of pyrite in the band. Bands are usually 2-3mm in scale but can be as wide as 4 cm. The interval contains two 3 cm thick massive pyrite layers with interstitial calcite that are parallel to the fabric of the rock. General fabric is 20-30 TCA. Top contact is a 2 cm wide calcite vein. The rock is x-cut by a high density of calcite veins. The rock is non magnetic, only reacts to HCl near calcite veins, and contains 15% pyrite	QSP	m			w		s					15					

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1201	TB	348.08	348.08			EOH 348.08 m																	
CA1202	TR	0.00	6.10	6.10		Casing																	
CA1202	TR	6.10	6.20	0.10		Rubble																	
CA1202	TR	6.30	7.27	0.97	MMD	Dark green-grey, hbl plus plag phyric monz porph. Borderline volcanic texture. 5-10% hbl phenos to 3 mm size, euhedral. 5-10% plag (?) phenos to 2 mm size. Hbl is chl altered, picking up hem alteration at base. Ser altered fspars. Pervasive carb alteration. Carb veinlets at 50-90 deg to CA at 0.5 mm/100 mm vein dens.	CCS				m		m	m									
CA1202	TR	7.27	9.34	2.07	MMD	Fault zone/broken core: As per above unit but now with qtz-mag-cpy veins up to 1 cm thick @ 5mm/200mm vein dens. Also pyrite veinlets and veins up to 4 cm thick. 1 clotty carb vein at 1-2 cm thickness. Carb veins x-cut qtz-mag-cpy veins. Trace cpy. ~ 3% py as thin stringers and m.g. (1mm) dissem.	CCSP_QMC				m		m	m		t		3	0.5		2		
CA1202	TR	9.34	10.18	0.84	MMD	As per above lith, but not faulted. Qtz-mag-cpy veins at 5-10 mm/70mm vein dens. Patchy zones of py dissem assocated with QVs. Chl patches proximal to veins in places. F.g. cpy in qtz-mag veins - trace. 0.1% cpy over interval. Qtz-mag-cpy veins at 45-90 deg to CA. Carb veins at 30-45 deg to CA with 3-4mm/10mm VD.	CCSP_QMC				m		m	m		t		2	1		1		
CA1202	TR	10.18	13.36	3.18	MMD	Fault/B.C.: Mottled green monz porph "mag vein bx". Tremendous amt. of mag veins and veinlets produces bx texture. Mod to strong chl and ep alteration. Veins at all orientations. Also qtz-mag-cpy veins/veinlets. Nice cpy associated with veins. Still less than 0.5% cpy over interval. Mag oxidized to red hem in places. 5-7 cm thick qtz-carb-mag plus cpy vein at 13.31 m approx. Vein contains patchy mag plus coarse bladed carb in centre.	CCSP_QMC				m	m	m	s		t		t	5		2		
CA1202	TR	13.36	14.54	1.18	MMD	Monz porph with pervasive chl plus silica plus py plus ser alteration. 10% py as qtz-py veins/stringers. Qtz veins deominantly smokey grey with py and no mag. Rare qtz-mag veins, often with red hem. Smokey qtz veins at 25-30 deg to CA and ~ 50 deg to CA and witgh 7mm/100mm VD. Pervasive carb alteration disappears.	CCSP_QMC	m			m		m			t		10		1	0.5		
CA1202	TR	14.54	16.04	1.50	MMD	As per above but more intense silica alteration. Some carb alteration patches. Pyrite intensifies with silica. Trace blebby cpy. Some wispy cpy in QVs. Trace mag and hem. 2-3% py on avg, % decreasing downhole.	QSP_WM	m			m		s	m		t		2	t	t			
CA1202	TR	16.04	18.27	2.23	MMD	Monz porph; epidote plus chl plus mag altered. Strong alteration with cpy blebs and striners. 0.1% cpy? Very mottled texture with chl patches and stringers. Qtz-mag-cpy veins at variable orientations. One "wormy" vein containing abundant cpy.	CHEPMT_QMC				s	s	s			0.1		1	t	t			
CA1202	TR	18.27	19.20	0.93	MMD	Monz porph; less altered. 0.5% py stringers. Chl altered hbl, ser altered fsp. Broken zone. Small qtz-mag-hemcpy stringers at base.	CCSP_QMC				m		m			0.1		3	t	1			
CA1202	TR	19.20	20.39	1.19	MMD	Monz porph with chl and hem and cpy and ser and py alteration. 2% qtz-py stringers. Variable orientations. Some wormy -> xtal mush emplacement? QCVs contain abundant py plus cpy. 5% blebby and stringer red hem for top 20 cm. Py and cpy bearing qtz-carb veins at 45-10 deg to CA with 3/4mm/40mm VD. 0.1% cpy over interval. ~ 3% py.	CCSP_QCC				m		m-s	m		0.1		3	t	1			
CA1202	TR	20.39	21.78	1.39	MMD	Fault/BC: As per above. Looks like QCVs have been brecciated in places. Very rubbly. Bornite plus cpy observed (trace) on fracture plane at 21.38m. Py stringers x-cut qtz veins in places. 3% py.	CCSP_QCC				m		m	s		t		2		t			born trace
CA1202	TR	21.78	22.12	0.34	MMD	Monz porph; intense silica plus pyrite plus cpy. 20% m.g. py dissem (2 mm avg) plus stringers and blebs. Blebby cpy intergrown with py in places. 0.1-0.5% cpy. Some moly? Strong ser alteration of fsp.	QSP_WM	m					s			0.1	t	30					
CA1202	TR	22.12	30.97	8.85	MMD	Fault/BC. Very tubbly. MZ PR with ep plus chl plus ser plus mt plus py plus cpy plus qtz alteration. Patchy, abundant mt. Abundant qtz-mt-cpy veins/veinlets; nice strockwork. Some small, 10-15 cm zones where mt reaches 10%? Mt is variable. Moly on fract plane at 27.79m Carb veins x-cut qtz-mag-cpy. Strong pervasive carb alteration. Qtz-py veins x-cut qtz-mag-cpy veins.	CHEPMT_QMC				m	m	s	s		t	t	1	2	t			
CA1202	TR	30.97	31.23	0.26	QCPV	Py vein; Small zone of semi msv py and qtz-carb at 40 deg to CA. F.g.-m.g. py.	QCP																
CA1202	TR	31.23	34.23	3.00	MMD	Monz porph with ser plus chl plus/minus epidote plus mt alteration. Some slic zones prox to qtz veins. QCVs contain red hem and very blebby c.g. cpy in places. Mottled. Potential trach texture in places. Patchy mt alteration I places. QCVs with cpy plus hem variable orientations; 30 to 70 deg to CA @ 2-3mm/150mm VD. 0.1% cpy	EPCHMSCP_QCC	m			m	m	s	s		0.1			0.1	t			

Hole_ID	Geo	From	To	Width	Rock Code	Description	Alteration Code	Alteration								Mineralization							
		m	m	m				SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1202	TR	34.23	38.40	4.17	MMD	Monz porh with less intense ser alteration and more porphyritic texture. Pink staining in places -> k alteration? Pervasive carb alteration. Strongly magnetic. Hbl phenos to 3-4 mm size, chl altered. Local qtz-carb-hem veins/veinlets with low VD (1mm/50-70mm). Magnetic matrix. Alteration or magmatic mag? Fault starts at 34.23, goes to 39.49.	KMP		w				w	s				t	s				
CA1202	TR	38.40	40.69	2.29	MMD	Monz porph with awesome qtz-mag-cpy veins (banded) and strong pervasive ser alteration. 10 cm zone of gouge at 39.39m -> weak gouge with fractures at 30 deg to CA. 20-30% ser altered, green fspar phenos up to 2 mm size set in light green, ser altered matrix. Carb alteration is not present. Several vein types here. Beautiful, thick banded qtz-mag-cpy veins from 38.4 to 38.8. Also qtz-py veins with pyrite cores. Also potential qtz-py-cpy-tour vein at 40.69m. Best qtz-mag-cpy veins at 35-40 deg to CA. Picture: 102-2847-2849. Banded qtz-mag-cpy vein @ 38.5m	KMPC_SP						s			0.1		1	0.5	t			
CA1202	TR	40.69	54.41	13.72	MMDB	Monz porph bx: Dark pink on avg. Dark grey-black matrix with coarser grained monz porph clasts to 5 cm size. Clasts are pinkish, often containing mag-hem-cpy-qtz veinlets Both matrix plus clats are strongly magnetic. Is the mag high in the Cominco survey representative of this unit? Trace to 0.1% cpy throughout unit. Weakly ser altered fsp phenos to 2 mm size. Clasts contain 10-20% fspar phenos, euhedral. Abundant carb veinlets. More rare qtz veinlets contain trace cpy. Some cpy on fractures; also pyrite. K-flooding in localized zones. Subround (milled?) clasts. Pictures: 102-2850, 2851. Some sections more coherent and less brecciated. Unit grades in and out of bx. Nice mag-cpy stockwork in places (e.g. 52-52.3). Very strong pink colouration (k-flooding?) proximal to mag stockworks. Hematite more prevalent near base. Hem = alteration of mag?	KMPC_SP				m		s	s		0.1		0.5	1	0.5			
CA1202	TR	54.41	55.43	1.02	MMD	Monz porph: ser-chl altered. Dark green, 1-2% py dissem. 20-30% chl plus ser altered phenos to 2 mm size. Qtz-py veins (trace) at 25 deg to CA. Pervasive carb alteration. Non magnetic.	CCS				m		m	s				2					
CA1202	TR	55.43	56.42	0.99	MD	Mafic dike: Bas-diabase dike: Dark green with nice chilled margin at 75 deg to CA.																	
CA1202	TR	56.42	58.87	2.45	MMD	Monz porph: Dark green, strong chl alteration. Local patchy magnetite alteration. Local patches of red hem to 4 mm size. Pervasive chl alteration. Mod ser alteration of hbl phenos? Hbl phenos to 2.5mm size. 1-2% dissem py, fine grained to medium grained. Fair number of qtz-cpy veinlets at 3mm/100mm VD. Qtz-cpy veinlets at both 10 and 50 deg to CA. 10 cm band of semi msv py at start.	CCSP_QC				s		m			0.1		1	0.5	1			
CA1202	TR	58.87	63.16	4.29	MMD	Coarsely porphyritic, nearly holocrystalline. 80% pink to light green plag plus kspar, up to 2-3 mm size. Weakly ser altered. 20% chl plus ser altered mafic phenos (hbl or bt?). Magnetic. 4 mm thick qtz-cpy veins in places at 65 deg to CA and 4mm/600mm VD. Qtz-pyrite veins also present. Pyrite veinlets form cores to these veins. Late calcite veins x-cut both qtz-py and qtz-cpy veins. End of unit is slightly sheared contact with calcite vein 3-4 cm thick.	CCSP_QC				w		m			t							
CA1202	TR	63.16	63.60	0.44	MD	Bas dike: Abundant wormy and brecciated QCVs with pyrite. Chl patches. Bottom contact at 50 deg to CA.					m												
CA1202	TR	63.60	64.66	1.06	MMD	Monz porph: More trachyte like. Olive green to light brown, pervasive ser alteration. 5% dark green ser altered fsp and mafic (hbl?) phenos to 1-2 mm size. Chl altered phenos, too? Rare qtz-carb-cpy veinlets. Base of unit is faulted.	CHSP				s		s			t							
CA1202	TR	64.66	66.14	1.48	Fault	Fault gouge: Clay rich with top faulted contact at 75 deg to CA. Highly broken until 78.03 m.																	
CA1202	TR	66.14	74.68	8.54	MMD	Monz porph: Very broken for entire interval. Mottle pink, black and dark green colour. Cpy observed in fragments containing qtz veinlets in many locations. Some wispy cpy in matrix and along fracture planes in places. Will be difficult to sample. Abundant magnetite. Cpy plus mag most abundant in the most pink stained (k-spar flooded?) sections. Some cpy blebs to 4-5 mm.	KM_QMC		m		m		m			0.1		1	2				

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1202	TR	74.68	90.22	15.54	MMD	Monz porph: Very broken/faulted. Light green-beige with pervasive strong ser alteration and very abundant hem plus qtz-hem veining plus hem patches. Hem veins (red and grey) often contain wispy, very f.g. cpy only visible with 20 x lens. 20-30% ser plus chl altered phenos up to 3mm size (0.5-1mm avg.). Small intervals of pink colouration (k-flooding?) assoc with silicification plus hem plus py plus/minus cpy replacement of phenos. More pink coloured zones grade in and out. Hem plus hem-qtz (with py plus/minus cpy) very abundant. Range from less than 1 mm veinlets to 3-4 mm veins at 1-2mm/200mm VD on avg. Qtz-carb plus cpy veinlets are rare but x-cut hem veinlets. Py often assoc with hem veinlets plus patches. Qtz-py veins in places at 50-55 deg to CA. 102-2852: hem vein with py. Broken core at base of unit.	QSCHP	w	w		m		m			t		0.5		1			
CA1202	TR	90.22	92.88	2.66	MMD	Monz porph: Trachyte? Dark green-grey, mottled. As per above. We are drilling down fault here. Gouge runs parallel to CA. Possible epidote in matrix. 20-30% ser altered phenos up to 1.5-2 mm size. Qtz-carb-hem-py veins at various angles to CA. Ankerite vein at base.	CHSP				m		m					1		0.5			
CA1202	TR	92.88	96.48	3.60	MMD	Monz porph: As per above. Potential bx in areas. Some 20 cm zones of enhanced silicification (banded) with pyrite stringers and dissem.	QSCHP	m			m		m					2					
CA1202	TR	96.48	97.34	0.86	MMD	Fault/broken core (b.c.): Monz porph, as per above.	CHSP				m		m										
CA1202	TR	97.34	99.19	1.85	MMD	Monz porph: Dark green-pink patches, mottled texture. 20-30% ser altered phenos to 1.5mm size (altered fsp and hbl). Pervasive carb alteration in pink areas -> ankerite? Mag stringers and patches to 1 cm size. Mag stockwork veinlets in places.	CCSM				m		m	m					1				
CA1202	TR	99.19	99.36	0.17	MMD	Fault, as per above	CCS				m		m	m									
CA1202	TR	99.36	101.98	2.62	MMD	Monz porph: As per 97.34. Last 40-50 cxm is less magnetic.	CCSM				m		m						1				
CA1202	TR	101.98	102.10	0.12	MD	Bas dike: Good chilled margins. Top ct at 75 deg to CA. Btm ct at 20 deg to CA, wavy. Good hornfels/silic margins. Cut by py-carb veins. Beige, sericitized margins. Interesting! Emplaced during waning stages of porphyry hydrothermal system?							w										
CA1202	TR	102.10	102.41	0.31	MMD	Fault/b.c.: Monz porph: As per 99.36.	CCSM				m		m						1				
CA1202	TR	102.41	104.57	2.16	MMD	Monz porph: Mottled dark grey-green with pink patches. Mt and hem stringers in places. Rare qtz-carb veins with cpy. Bcomes more dark green at base.	CCSM				m		s	m		t			0.1				
CA1202	TR	104.57	105.22	0.65	MMD	Broken core/fault: Monz porph? Dark green, sheared, chl rich. Abundant qtz-py stringers. Perhaps a sheared mafic dyke? Definitely pre mineral. Shearing at 60 deg to CA	CHP				s							2					
CA1202	TR	105.22	108.98	3.76	MMD	Monz porph/trach: Light green-olive. Intensely ser altered with abundant qtz-carb plus/minus hem plus py patches. Sometimes carrying cpy. Nice banded veins in places. 1-3% py as qt py stringers. 105.66-106.98 = strongly broken.	CSP						s			tr		3		0.5			
CA1202	TR	108.98	113.92	4.94	MMD	Monz porph/trach: Dark green, chl plus ser altered. 20-30% light green, ser altered phenos. Some phenos altered to hematite. Lighter green (less chl?) sections grade in and out. Abundant qtz-carb-pyrite veinlets at 1-2mm/50mm VD at 45 deg to CA, some wavy. Massive unit. Abundant dissem py in places. Local hem veinlets with qtz-py. Gypsum at 113.08.	CSP_G				s		s					1		t			g
CA1202	TR	113.92	115.45	1.53	MMD	Fault/B.C.: As per above	CSP_G				s		s					1		t			g
CA1202	TR	115.45	132.57	17.12	MMD	Monz/trach: As per 108.98. Dark green to beige. Variable chl plus ser alteration. Strong se alteration of fspar and hbl (?). Py plus hem replace phenos in places. Abundant qtz-carb-py-hem veins plus carb veins. Lighter coloured zones have more qtz-carb-hem-py veins. Qtz-carb-hem-py veins have avg VD of 1-2mm/200mm. Also have carb and gyp veining at 119.18 where carb is intergrown with gyp. At 124.44 have qtz-carb-py-moly vein. More rare veins of qtz-carb with massive py (2 cm thick). All veins range from 25 to 70 deg to CA Also local hem/mag veins. These scratch red but are magnetic. Oxidation of magnetite veins? QSP overprint of k-silicate alteration? Darker zones are pervasively carb altered, whereas lighter coloured zones are not. 2 cm clot of cpy in wormy, silica plus pyrite zone with diffuse borders at 121.38	CSP_G				s		s	s		t	t	1	t	0.5			g
CA1202	TR	132.57	133.67	1.10	MMDB	Monz porph breccia. Subround-subangular, dark green to beige to pink porph clasts in largely carb rich matrix. Clasts are mostly chl and ser altered monz porph/trach up to 14 cm size. Pyrite both in some pyritized clasts and carb rich matrix. Trace cpy in matrix. Picture: 102-2853: Monz porph bx with carb matrix. Some k-altered clasts? Abundant QSP altered clasts, too.	CCSP				s		s	s		t		1					

Hole_ID	Geo	From m	To m	Width m	Rock Code	Description	Alteration Code	Alteration SIL	OR	BI	CH	EP	SER	CAL	Other	Mineralization CP	MO	MS	MT	HT	LIM	MAL	Other
CA1202	TR	133.67	143.38	9.71	MD	Mafic dyke: Bas dyke. Dark green-grey, variably plag phyric with carb amygs. Great chilled margins. Perv carb alteration and carb veinlets @ 1-4mm/300mm VD. Up to 20-30% crowded plag phenos in places. Possible spherulites in places. Lower ctc at 65 deg to CA. Up to 10-15% carb amygs in places, up to 1 cm size. Cut by cab-hem veins in places, but not by qtz-py veins. Small bleb of cpy at 144.36. Are carb-hem veins very late? How old are these dykes?								s		t							
CA1202	TR	143.38	154.07	10.69	MMD	Monz porph/trach with ser plus qtz plus py plus tourmaline alteration. Mottled dark green-light green-light brown as per units up hole. 20-30% ser altered phenos (fsp plus hbl?) up to 1-3 mm size set in greenish-light brown/beige to olive, g.g. matrix (ser altered). Massive clots of tourmaline in places up to 5-6 cm size, often associated with qtz-pyrite veining. Also interesting qtz-py veins with strong qtz-pyrite selvedges at 25-45 deg to CA and with 30mm/300-400mm VD. Pictures: 102-2854 at 151.18: Qtz-py veins plus qtz-py-tourm veins Qtz-py veins x-cut qtz-py-tour veins in places. Local qtz-carb-hem plus/minus cpy in places.	CCSPT	m			m		s	w		t		2		t			t
CA1202	TR	154.07	155.00	0.93	MMD	Fault zone/broken core: As per 143.38. Monz porph/trach.	CCSP	m			m		s	w		t		2		t			
CA1202	TR	155.00	158.17	3.17	MMD	Monz porph/trach: As per 143.38 with more abundant red hem alteration as patches (altering fspar and hbl?)) and as stringers. 10 cm zone of 15% hem patches, stockwork at base. Some wormy qtz-carb veins. Trace cpy in qtz-carb-hem vein at 157.28.	CCSP	w			m		s	w		t		2		1			
CA1202	TR	158.17	160.32	2.15	MMD	Fault/b.c.: Monz porph, as per 143.38	CCSP				m		s	m				1					
CA1202	TR	160.32	161.20	0.88	MMD	Monz porph/trach: As per 155	CCSP	w			m		m	w		t		1		0.5			
CA1202	TR	161.20	162.24	1.04	MD	Mafic dyke: As per 133.67. Carb-hem vein at base.																	
CA1202	TR	162.24	162.80	0.56	MMDB	Monz porph/trach: Mottled ark green to beige patches. Qtz-carb-hem-py veinlets. Possible bx/clasts near base. Clast is pink, carb and hem altered with trace cpy blebs. Clast is 2 cm size.	CCSP	w			m		m	w		t		t		0.5			
CA1202	TR	162.80	166.42	3.62	MMDB	Fault/broken core: Monz porph/trach: Rubbly. Dark green with pervasive carb alteration. Chl alteration of mafic phenos. Strongly magnetic. Qtz-py plus hem veins/veinlets, stockwork like in places. Bx at base?	CCSP				m		m	s				2	3	1			
CA1202	TR	166.42	166.95	0.53	MMDB	As per above: Monz porph. Silicified, dark green, mottled with pink patches. Brecciated? Patches of strong magnetism.	CCSP	m			m		s					2	0.5	1			
CA1202	TR	166.95	169.37	2.42	MD	Mafic dyke: As per 133.67.																	
CA1202	TR	169.37	170.17	0.80	MMDB	Monz porph/trach: Beige/olive, dark green patches. 20-30% ser altered phenos to 1-2 mm. Patchy, chl alteration produces bx like texture. Ser altered hbl phenos visible in chl altered, dark green groundmasss/matrix. Qtz-pyrite veins.	CHSP	m			m		s					1		0.5			
CA1202	TR	170.17	171.32	1.15	MMDB	Fault/b.c. As per above	CHSP	m			m		s					1		0.5			
CA1202	TR	171.32	171.62	0.30	MMD	Monz porph/trach: As per 169. Ser plus chl alteration plus qtz-py veins.	CHSP	w			m		s					1					
CA1202	TR	171.62	176.28	4.66	MD	Mafic dyke: As per 133.67. Btm ctc at 65 deg to CA.	CHSP																
CA1202	TR	176.28	177.58	1.30	MMD	Monz/trach: Olive green, 20-30% ser altered fsp plus hbl phenos to 2 mm size. Perv ser alteration. Qtz-py veining. Carb-hem vein at base. Grey-silic selvedges on qtz-py veins.	CHSP	w			w		s					2		0.5			
CA1202	TR	177.58	178.44	0.86	MMD	Fault/b.c.: Small, thin gouge. Gouge at 75 deg to CA. AS per above.	CHSP	w			w		s					2		0.5			
CA1202	TR	178.44	178.96	0.52	MMD	Monz porph/trach: Light brown-olive, with 20-30% ser altered fsp phenos. Very nice qtz-py stockwork. Spectacular grey selvedges on veins. Veins 2-3mm/100mm VD at 20-23 deg to CA. Trace py dissem. Picture: 102-2855.	CHSP				w		s					1					
CA1202	TR	178.96	181.13	2.17	MMD	Fault/b.c.: Very broken. Monz porph/trach. As per last unit. Light grey green, pervasive ser with abundant qtz-py veins with grey selvedges	QSP						s					2					
CA1202	TR	181.13	184.10	2.97	MMD	Monz porph/trach: As per above. Light grey-green, 20-30% fsp phenos, ser altered. Some patches of darker, mottled chl alteration. Qtz-py vein density at 2-3 mm/100mm. Cut by late carb.	CHSP				w		s	w				2					
CA1202	TR	184.10	184.80	0.70	MD	Mafic dyke: Light green, carb amygs, nice chilled margins. Top ctc at 80 deg to CA.																	
CA1202	TR	184.80	185.40	0.60	MMD	Monz porph/trach: Light brown-olive. Heavily qtz veined, nearly a vein bx. 0.1-0.5% cpy blebs associated with siliceous sections.	QSP_WM	s					s			0.5				t			
CA1202	TR	185.40	188.60	3.20	MMD	Monz porph/trach: Light green-grey. 20-30% ser altered phenos to 1-2mm. Qtz carb-py veins at 25-45 deg to CA and with 3-4mm/200mm VD. Chl alteration of mafic phenos in places. F.g. pyrite dissem.	CHSP				m		s					1					

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1202	TR	188.60	192.32	3.72	MD	Mafic dyke: As per 184.1.																	
CA1202	TR	192.32	193.35	1.03	MD	Fault/b.c.: Mafic dyke as per 184.1. Fracture angles at 040 deg to CA.																	
CA1202	TR	193.35	195.80	2.45	MD	Mafic dyke: As per 184.1. Carb amygs and plag phenos. X-cut by carb-hem plus hem veinlets. Hem veinlets in porph are late?? Lower ctc at 80 deg to CA and wavy. Emplaced into mushy porphyry?								w						t			
CA1202	TR	195.80	196.60	0.80	MMD	Monz porph/trach: Ser plus chl altered with qtz-py veins. Broken. Thin plug in between mafic dykes.	CHSP				m		s					2					
CA1202	TR	196.60	198.42	1.82	MD	Mafic dyke: As per 184.1. Broken.																	
CA1202	TR	198.42	206.50	8.08	MMD	Fault zone/b.c.: Very broken. Chl and ser altered monz porph/trach with qtz-py veins. Local darker rubble is strongly magnetic. Magnetite bearing zones are pervasively carb altered. Chl altered mafic phenos (hbl). Some qtz-py veins at very low angles to CA (20 deg). Patch red hem assoc with zones of mt and carb. Mag stringers in places.	CCSPM	w			m		s					2	0.5	t			
CA1202	TR	206.50	207.20	0.70	MMD	Monz porph/trach: Light green-grey, trachytic texture at 35 deg to CA. Chl alteration of hbl phenos, ser alteration of fsp. Abundant qtz-py veins at 2mm/100mm at 35 deg to CA, paralle to trach texture -> interesting! Pervasive carb alteration.	CCSP				m		m	m				2					
CA1202	TR	207.20	208.48	1.28	MMD	Monz porph/trach: Ligh brown-grey. Strong sil plus ser alteration with patches of py plus qtz carb-py veins. Some rounded qtz patches, almost vesicle like. Silicified clasts? Py assoc with green patches of ser.	QSCP	m					m	m				5					
CA1202	TR	208.48	208.78	0.30	MS	Semi-msv pyrite and qtz: Potential moly paint on fractures. Some msv py fractures.	QP	s									t	60					
CA1202	TR	208.78	209.20	0.42	MMD	Monz porph/trach: AS per 207.2 Sil and ser and py patches/dissem	QSCP	m					m	m				3	0.4				
CA1202	TR	209.20	223.91	14.71	MMD	Fault zone/B.C. Very broken monz porph/trach: Mottled ser plus sil plus chl alteration with abundant qtz-py veins with grey haloes. Becomes increasingly broken with depth. Darker rubble is strongly magnetic (mag stringers and dissem? Chl altered mafic phenos. Ser alteration associated with qtz-py-carb veining. Py veins assoc more with carb than qtz. Py veins at 10-55 deg to CA. Less ser alteration by magnetic zones. QSP overprinting k-sil alteration?? Minor oxidation of pyrite. Cave in near 221.6. Py content increases near base to 5-10% as dissem and py stringers to 3-4 cm size. Very broken at base.	CCSPM				m		m	m				3	0.5				
CA1202	TR	223.91	224.31	0.40	MMD	Monz porph/trach: Intense QSP. Light grey, strong sil and ser alteration. Some msv f.g.-m.g. pyrite in sil plus ser matrix at 45 deg to CA.	QSP	s					s					30					
CA1202	TR	224.31	225.25	0.94	MMD	Monz porph/trach: As per above, but less pyrite. 5-10% pyrite here.	QSP	s					s					10					
CA1202	TR	225.25	242.32	17.07	MMD	Fault zone/b.c.: Monz porph/trach (?): Highly broken, variable colour/texture. Pink black to dark green to light green-grey. Possible local zones of silica plus k-spar flooding. Local magnetite. Local zones of darker green with chl altered phenos. Abundant qtz-pyrite veins with wide grey, silica plus/minus carb selvedges.	KMPSC	m	w		m		m					3	t				
CA1202	TR	242.32	243.12	0.80	MMD	Monz porph/trach: Light grey-green, mod sil, mod to strong ser. Some chl alteration patches. 5-7% py as f.g. dissem plus qtz-carb-py stringers. A few carb veinlets. Py stringers at 20-30 deg to CA.	QSCCP	m			w		m	w				5					
CA1202	TR	243.12	244.92	1.80	Fault	Fault/b.c.: Local mod gouge development at low angles to CA (3-5 deg). As per above with local high concentrations of py in rubble.	QSCCP																
CA1202	TR	244.92	248.69	3.77	FPD	Diorite dike: Dark grey-green. Nice chilled margins. Highly porphyritic core comprising 40-50% light green plag (?) phenos up to 1 cm size (avg 3-4 mm). 3-5% small, 0.25 mm phenos, beige -> leucoxene? Perv carb veinlets. No sulphide. Similar to diorite dike in creek observed by QSP zone with Tony, JB et al. on first day in field. 40% hbl in matrix/interstitial to pla as clots. Fairly fresh looking rock. Zoned fspars? Picture: 102-2861.	CCS				w		w	m									
CA1202	TR	248.69	249.72	1.03	MMDB	Monz porph/trach breccia: Light grey green. Intense sil-ser-py. 25 cm of msv-semi-msv py at start plus 10-15 cm of msv py at base. Strong py dissem. 10-15% ser altered fsp to 2 mm size. Some ser altered clasts. A bx?? Clasts are subround-subang, up to 1-2 cm size, med green to light green. Pic: 102-2862 (Msv py); 102-2863 (monz/trach bx with QSP).	QSP	m					s					30					
CA1202	TR	249.72	250.24	0.52	MMD	Monz porph/trach with intense QSP: 15-20% ser altered fsp up to 2 mm size. Light grey-green, 3-4% py dissem plus py stringers (with qtz-carb).	QSP	m					s					4					

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1202	TR	250.24	254.02	3.78	MMD	Fault/b.c.: Dark green to green-grey chl plus ser-py altered diabase/diorite porph. Very broken. Py plus qtz-carb stringers up to 1 cm thick. Less altered version of above? Py stringers/veins at 45 deg to CA, often with strong bleaching of vein selvedges. More rare QVs.	CHSP				m		w					3					
CA1202	TR	254.02	254.62	0.60	MD	Mafic dike/Faulted: Nice chills. Chl amygs. Very broken.																	
CA1202	TR	254.62	256.34	1.72	MMD	Fault/b.c.: As per 250.24. Diorite porph; chl plus ser plus py. Py stringers (with qtz-carb). Is this actually monzodior or monz porph?	CHSP				m		m										
CA1202	TR	256.34	262.32	5.98	MMD	Dior porph (?): Chl plus variable QSP alteration. Variably coloured. Light grey-green QSP zones with qtz-carb stringers grade in and out. Pyrite @ 5-10%, mostly in light grey zones; less py in chl rich zones. Very abundant gypsum veining at 35 deg to CA and 2-3mm/50mm VD (high!). Weakly magnetic, chloritic zones (less altered) associated with local hem-mag veinlets. Highly variable alteration.	QSCCP	m			m		m					5	t	t			g
CA1202	TR	262.32	266.68	4.36	MD	Mafic dike with carb veinlets																	
CA1202	TR	266.68	267.80	1.12	MMD	Dior porph: Dark to grey green. Mod to weak chl plus ser. 0.5-1% py as py plus carb plus qtz veins. Abundant gypsum veins at 3mm/50mm VD.	CHSP				m		m					0.5					g
CA1202	TR	267.80	280.60	12.80	FPD_MV	Dior porph with variable QSP: Light grey to darker green with zones of ligh grey QSP gradin in and out. Very abundant gypsum veins at 3-10mm/150-200mm. A foliation in places. Perhaps altered mafic fragmental near base? Gypsum veins often with ankerite on margins. Foliation/flattening of clasts at approx 65 deg to CA at 280.6. Gyp veins x-cut py-qtz-carb veins. Py still abundant, but variable, increasing in content with increasing sericite alteration. Gyp veins look sheared in places, and can be wormy. Small mafic dikes up to 5 cm width at 80 deg to CA in places.	QSP	w			w		w	m				5					g
CA1202	TR	280.60	286.82	6.22	FPD_MV	Di porph breccia plus mafic volcanics (?): Dark green-light grey. Sections of potential dark green mafic volcanic clasts (ser-py-chl altered) set in light grey-green matrix grade in and out of light green-grey QSP altered poprh as per above. Very strange looking unit. Gyp-carb veins still prevalent. 3% py as dissem and more rare stringers. Near margin of porphyry? Noticeable decrease in pyrite content overall. Picture: 102-2864: Mafic volcanic (fragmental?) at 286.72.	QSP	w			m		m	m				1					g
CA1202	TR	286.82	286.82			EOH 286.82 m																	
CA1203	TB	0.00	6.10	6.10		Casing - No recovery																	
CA1203	**TB**	**6.10**	**11.22**	**5.12**	**MMD**	Micro Monzodiorite Porphyry This interval is strongly QSP altered and very little original texture is preserved. Towards the bottom of the interval some original texture is present in the form of completely sericite pseudomorphed phenocrysts. The phenocrysts are sub-euhedral and 1-2mm, they occupy 20% volume of the rock and are replaced entirely by translucent sericite. The groundmass of this "least altered" rock is completely altered to sericite, quartz and pyrite. Where the interval is most altered it has a slightly mottled pale-yellowish green colour to medium green and is semi-translucent when observed with a hand-lens. It is comprised almost entirely of granular quartz-sericite and pyrite. Pyrite is disseminated and occupies about 4-8% volume (it's patchy), average about 5%. It also occurs in 2-3mm wide pyrite veins and in composite calcite-quartz-red hematite-pyrite-cpy veins. Most of the veining in the interval is dominantly calcite, and it is difficult to determine i there are significant multiple generations of veins - there are several types of calcite veins	QSP_WM	m			w		s			tr		5		tr			
CA1203	TB	6.31				First occurrence of cpy. A few disseminated fleck of it are present in purple hematite stained calcite that has irregularly brecciated/flooded? the wallrock.																	
CA1203	TB	7.24				Gob of cpy within a pod of red hematite, in a calcite-hematite vein, which appears to be cross cutting another coarse calcite vein.																	
CA1203	TB	8.86				Here small stringers of pyrite are abundant in the altered rock.																	
CA1203	TB	9.24				Wavy quartz-red-hematite-calcite and cpy vein which is banded on a sub mm scale. Looks epithermal.																	
CA1203	TB	9.83	10.06	0.23		Pale green rock x-cut by abundant sericite-chlorite stringers and contains abundant cpy as disseminated pods and tiny discontinuous stringers.																	

Hole_ID	Geo	From m	To m	Width m	Rock Code	Description	Alteration Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1203	**TB**	**11.22**	**15.52**	**4.30**	**MMD**	Micro Monzodiorite Porphyry As with the previous interval, this one is highly altered and has suffered from a high degree of textural destruction. Rare windows through the alteration show sericite altered feldspar phenocrysts in a spotty dark chlorite-altered groundmass. The rock is strongly sericite-chlorite-carbonate altered and has a dark green appearance. It is non-magnetic and reacts moderately to vigorously to HCl. It is cross-cut by 1-2mm pyrite-calcite stringers and <1mm to 4mm calcite veins/stringers with pyrite. Pyrite is disseminated throughout the interval and comprises about 1% volume. Top contact is gradational with QSP altered rock.	CCSP				S		m	M				1					
CA1203	**TB**	**15.52**	**21.10**	**5.58**	**MDP**	Monzodiorite Porphyry This interval is in transitional contact with the overlying chlorite sericite calcite altered rock. It is comprised of potassically altered porphyry with some remnant texture. Because of strong alteration phenocryst phases are sometimes destroyed or appear blotchy with irregular boundaries. Individual phenocryst phases are preserved in a few separate location: near the top of the interval (15.59 m) there are 15 % 2-3mm amphibole phenocrysts with sub-euhedral lath and stubby crystal shapes. At 18.51 and 19.33 feldspar pheno's are apparent; plagioclase pheno's are lath shaped and occupy about 10% volume; they are (at 19.33m) completely altered to sericite. K-feldspar pheno's are irregular anhedral pinkish spots at 18.51m; they occupy about 10% volume; they sometime have a hint of zoning. Alteration of the groundmass is variable, in some places it is completely altered to k-feldspar, in other areas it is dark but hard and probably comprised of k-feldspar, quartz and chlorite +/- magnetite. Where K-feldspar alteration is strongest the rock has a dirty-brown to	KMPSC		m		w		w			tr		1	tr	tr			
CA1203	TB	15.59				1mm calcite stringer 60 TCA x-cuts banded hematite-chlorite-pyrite vein																	
CA1203	TB	16.35	17.85	1.50		Zone with lots of broken rock that has magnetite rich fracture surfaces																	
CA1203	TB	18.46				40 TCA 1mm wide calcite stringer with a pod of cpy in its center																	
CA1203	TB	19.20	21.10	1.90		Increased amount of sericite and chlorite alteration. The rock begins to look fragmental, although it is difficult to tell because of alteration. First good fragmental texture is at 20.34m where 1 cm sub-rounded k-feldspar altered porphyry clasts are in a spotty fine grained sericite altered matrix. Right at the contact with the next unit there are 60% sub-angular clasts (some of which are sliver shaped) of the K-feldspar altered unit clearly supported in a matrix of the next rock unit (see below).																	
CA1203	**TB**	**21.10**	**22.02**	**0.92**	**AP**	Micro-Granite/Aplite Dike This clearly intrusive unit is comprised of a very fine grained (sub mm) seemingly equigranular, phaneritic rock. With a hand lens distinct pink, white, black and clear crystals can be discerned; they are anhedral, but sometimes with straight edges and/or angular edges. A rough estimate of proportions: 5% mafic (biotite?), 30% plagioclase 30% quartz 20% k-feldspar and 15% disseminated pyrite. Alternatively this could be a very fine grained micro-porphyry and the "quartz" component is groundmass. The rock is quite soft and weakly sericite and calcite altered. In some locations the "pink" constituent looks like possible hematite staining/alteration. It is cross-cut by a low density of calcite veins.	CC				w		w					15					
CA1203	**TB**	**22.02**	**36.79**	**14.77**	**MDP**	Monzodiorite Porphyry The top contact of this interval is obscured as it is all gravel sized pieces of core, but it appears to have a similar magmatic intrusive breccia as described above, on the other side of the dike. The rock in this interval is comprised of porphyritic monzodiorite, with a wide range of moderate alteration. The main rock type is an orangish-pink monzonite with 15% distinct amphibole phenocrysts which are typically 1-2mm long and in a few locations they range up to 4mm; they are anhedral to perfectly euhedral with beautiful crystal shapes; most commonly they are subhedral or lath shaped. Feldspar phenocrysts are either altered to K-feldspar, or partly altered to sericite and are not always recognisable relative to the groundmass of the rock. They occupy 30-40% volume and are 1-3mm lath and blocky shaped crystals with sub-euhedral habits. The groundmass is completely altered but probably originally aphanitic. Alteration of the interval is interpreted to be an early weak k-silicate alteration, which partly altered (and preserved) some of the	KCSP_WM		m		m		m			tr	tr	tr	tr	tr			
CA1203	TB	24.05				Vuggy irregular calcite open space-filling "vein" has a gob of cpy.																	
CA1203	TB	26.72				Tiny bit of Mo paint on a fractured surface																	
CA1203	TB	27.12				Unusually coherent piece of rock is x-cut by numerous tiny magnetite stringers																	
CA1203	TB	28.84				Well preserved 2-3mm wide 30 TCA banded calcite-quartz-hematite-pyrite vein																	

Hole_ID	Geo	From	To	Width	Rock Code	Description	Alteration Code	Alteration								Mineralization							
		m	m	m				SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1203	TB	29.42	30.70	1.28		Although all the rock in the interval is gravel sized crush - in this interval there is extra finely ground rock and some fault gouge.																	
CA1203	TB	32.10				nice magnetite + pyrite vein in broken core. 1.5 mm. No orientation possible.																	
CA1203	TB	33.32	33.86	0.54		zone with minor cpy in narrow irregular calcite chlorite veins																	
CA1203	TB	35.64				Coherent piece of core with nice 1mm pyrite stringers. 2% py.																	
CA1203	**TB**	**36.79**	**40.40**	**3.61**	**MDP**	Monzodiorite Porphyry Same rock type as previous interval but here it is dominantly altered by chlorite and sericite, with less remnant k-spar alteration. The rock is comprised of 15% sub-euhedral hornblende phenocrysts 2-3mm, and 30% an-euhedral blocky and lath shaped feldspar pheno's in a completely altered groundmass. The rock is strongly chlorite-sericite altered and in a few locations a hint of remnant k-feldspar alteration of groundmass is present. Both sericite and chlorite are pervasive through the groundmass, chlorite has replaced hbl pheno's and sericite has replaced feldspar pheno's, where they are not completely destroyed. The rock is x-cut by calcite-quartz-hematite-pyrite veins, and later calcite stringers which also sometimes have pyrite. Pyrite is abundant on chloritic fracture surfaces, at the site of chlorite+pyrite hbl replacement and weakly disseminated, as well as present in veins - it occupies about 3% volume. The rock is non-magnetic and reacts weakly to HCl away from calcite veins.	CCSP		w		s		s	w				3		tr			
CA1203	**TB**	**40.40**	**43.59**	**3.19**	**MDP**	Monzodiorite Porphyry The porphyry in this interval has suffered partial to complete textural destruction. Mafic phenocrysts are the most prevalent original constituent of the rock and occupy about 15% volume and range in size from 2-4mm; they are largely replaced by pyrite, and in some places buff coloured clay minerals. In a few locations feldspar phenocrysts are apparent as 30% 1-3mm blocky crystals or laths. The rock has a very pale greenish to pale pinkish, to cream colour and appears relatively homogenous with the exception of the 15% hbl pheno's or pyrite/tan clay clots that are replacing them. The groundmass of the rock is quite hard, but not as hard as feldspar, it is strongly carbonate and sericite altered, maybe with some quartz? The interval is x-cut by calcite-quartz-hematite-pyrite veins, pyrite stringers, and late calcite +/- pyrite stringers. The interval has 3 % py, and locally more where mafic pheno's are completely replaced by pyrite. The rock is non-magnetic and reacts strongly to HCl.	CSP	w	?				s	s				3		tr			
CA1203	TB	42.97	43.35	0.38		Especially altered zone where the rock is a homogeneous light green colour from sericite alteration of the groundmass; here visible feldspar pheno's are completely pseudomorphed by clear sericite and the hbl pheno's are altered to tan clay. X-cut by a higher density of calcite-hematite veins.																	
CA1203	**TB**	**43.59**	**45.26**	**1.67**	**MDP**	Monzodiorite Porphyry Very short interval of differently altered rock. This rock has all mafic phenocrysts intact; the groundmass is still strongly calcite altered but has a brownish-orange hue, possibly because of K-spar alteration, it is quite hard - harder than the previous unit. The rock is weakly to strongly magnetic. Hbl pheno's are 15% volume and 1-3mm in length and sub-euhedral. Ghosts of sericite altered feldspar pheno's are mainly blocky and indistinct but a few have euhedral habits. Their proportion is about 30-40% volume. The interval is x-cut by narrow white and coarser pink calcite stringers with pyrite and sometimes pods of red hematite. It contains about 1% disseminated and vein related pyrite	KSP		w				m	m				1	tr	tr			
CA1203	**TB**	**45.26**	**47.10**	**1.84**	**MDP**	Monzodiorite Porphyry Comprised of 15% 2-4mm sub-euhedral hornblende phenocrysts (usually lath to columnar), + feldspar phenocrysts which are so altered there are barely any pristine examples of them; they blend in to the groundmass. The interval is a light green colour and strongly calcite altered, with moderate QSP alteration. It is cross-cut by calcite+pyrite veins/stringers and calcite+hematite+pyrite veins. About 2% pyrite is present disseminated, in fine stringers, in veins and at mafic phenocryst alteration sites. The rock is non-magnetic and reacts vigorously to HCl	QCSP						m	s				2		tr			

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1203	**TB**	**47.10**	**49.74**	**2.64**	**MDP**	Monzodiorite Porphyry Here comprised of 15% distinct 2-4mm sub-euhedral hornblende phenocrysts, some of which have a very nice lath shaped habit, and others which are stubby or have nice euhedral c-axis cross-sections. There seems to be more lath-shaped hbl in this interval. A few rare large hbl pheno's up to 4mm long and 2.5 mm wide are also present. The interval contains, in places, visible altered feldspar phenocrysts, which occupy up to 50% volume and are mainly lath shaped and have a hint of alignment. They are difficult to distinguish from groundmass in most areas, and are completely altered to sericite. The interval has moderate sericite alteration overprinting weak K-alteration; it is weakly carbonate altered and has patchy moderate magnetism. The sericite alteration is manifested as replaced feldspar phenocrysts, and the k-silicate alteration is manifested as an increasingly hard brownish orange groundmass and patchy magnetite. The interval is x-cut by a fairly low density of calcite stringers +/- pyrite and rare calcite-hematite-quartz-pyrite veins. Pyrite is present in some hbl pheno's and sparsely disseminated in the groundmass. Less than 1% Py	KMPSC		w-m				m	m				tr	tr	tr			
CA1203	TB	49.21	49.50	0.29		Strong zone of K-spar replacement - the rock is really pink and hard. X-cut by an irregular calcite hematite pyrite vein.																	
CA1203	**TB**	**49.74**	**54.56**	**4.81**	**MMD**	Micro Monzodiorite This texturally different variety of monzodiorite is difficult to find a contact with - it appears to have a very distinct texture relative to the MDP, it may be the result of distinct alteration highlighting certain phenocrysts phases... The MMD is comprised of abundant 1-2mm plagioclase laths and nearly square cross-section, with a euhedral habit, that occupy about 60% volume of the rock. In a few least altered areas very slender amphibole crystals up to 3mm long occupy 8% volume; within a few areas of otherwise texturally destroyed rock there are a few larger pyrite altered mafic phenocrysts. The pheno's are hosted in a homogeneous aphanitic milky to greenish sometime semi-translucent groundmass which is mainly sericite altered but with patches that are quartz-sericite. The interval has experienced patchy weak to strong QSP alteration and is x-cut in places by related pyrite stringers. The groundmass and feldspar are non- to moderately calcite altered. Pyrite is patchy and in many places is disseminated strongly (up to 5% volume), but in other	QSP_WM	m					m-s	w-m		tr	tr	1-6		tr			
CA1203	TB	51.02				20 TCA fracture with 3mm of gouge that looks like it might have a bit of Mo in it.																	
CA1203	TB	51.27	51.81	0.54		0 TCA banded calcite-hematite-pyrite vein - several other off axis splays as well.																	
CA1203	TB	53.03				In this location remnant hbl phenocrysts are altered entirely to black and red hematite. There is also a 1 cm thick 20 TCA coarse white calcite vein.																	
CA1203	TB	53.29				Minor cpy in a 5 TCA 1mm wide pyrite calcite hematite stringer																	
CA1203	TB	54.13				In this location hbl pheno's are well preserved. They are texturally distinct from the (non micro) monzodiorite in that they are predominantly tiny sliver-like crystals up to 2mm long.																	
CA1203	**TB**	**54.56**	**57.62**	**3.06**	**MDP**	Monzodiorite Porphyry This interval is more similar to the MDP intervals than to the above describe textural-variation. Here the rock is possibly k-silicate altered as the groundmass is a brownish orange colour, hard and has patchy strong magnetism. It is comprised of 15% hornblende phenocrysts, which unlike in the previous interval, are up to 4 mm long and not slender (although sometime lath shaped). 30-40% feldspar laths and columns are 2mm and sub-euhedral, and usually completely altered to sericite. The groundmass is orangish to greenish, aphanitic and seemingly strongly altered. The feldspars and groundmass react to HCl indicating that carbonate alteration is an important constituent in both. The interval is x-cut by a low density of calcite +/- pyrite stringers, and barely visible magnetite stringers (mostly observed where rock fragments broke along the veins). One thick banded composite calcite-quartz-pyrite vein is present within a small zone of MMD (noted below). Pyrite is disseminated, present at the site of mafic pheno's, and in veins equaling 1% volume total.	KMPSC		m				m	s				1	tr				
CA1203	TB	55.38	55.72	0.34		Zone of unusually coherent rock that resembles the previous interval - comprised of strongly sericite altered feldspar pheno's in a green groundmass. This zone is x-cut by a 1.5 cm thick composite banded clear quartz-coarse white calcite-pyrite vein 15TCA. Looks like it should have cpy, but I don't see any.																	
CA1203	TB	57.24	57.62	0.38		Approaching the lower contact there is an abrupt increase in the amount of quartz-sericite alteration. Right at the contact, despite the strong sericite alteration there is a high concentration (15% volume) of well preserved large hbl phenocrysts.																	

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1203	**TB**	**57.62**	**63.34**	**5.72**	**MMD**	Micro Monzodiorite This interval is strongly QSP and calcite altered. Where the original texture is not destroyed 40-50% volume sub-euhedral feldspar phenocrysts are hosted in an altered white to green homogeneous groundmass. The interval is strongly QSP altered, and has strong calcite alteration as well: where calcite alteration is strongest the rock is bleached to a whitish colour. Patchy very strong QSP alteration in the interval has obliterated all original texture and makes a semi-translucent granular texture sometimes with blotchy pyrite. The interval is x-cut by calcite stringers +/- pyrite, pyrite stringers (often with calcite altered selvages), and coarse calcite +/- pyrite veins and rare calcite-hematite veins, one of which contains a trace of cpy. With the exception of a few locations where there is very little pyrite, most of the interval has abundant fine net-textured and stringer pyrite as well as pyrite in veins, equaling 6-8% volume. The top contact of the unit appears to be a primary textural variation, which is well preserved, where the rock transitions at an exact boundary (30 TCA)	QSCP	m					s	m		tr		7-8		tr			
CA1203	TB	58.66	59.21	0.55		This interval is 30% coarse white and pink calcite with lenses of red and specular hematite. The veins are irregular and form a bit of a vein breccia in places but have a roughly consistent orientation of 15-30 TCA																	
CA1203	TB	59.32				A trace of cpy in a 1mm calcite hematite vein 25 TCA																	
CA1203	TB	59.32	59.59	0.27		Here a few coherent pieces of core have a pseudo breccia pattern where sub-angular fragments have subtly different greenish alteration pattern.																	
CA1203	TB	60.40				15 TCA 4mm wide pyrite-calcite vein with strong calcite altered selvage																	
CA1203	TB	62.30	62.89	0.59		High density of pyrite veins with strongly silica altered selvages																	
CA1203	**TB**	**63.34**	**80.31**	**16.97**	**MDP**	Monzodiorite Porphyry This interval is strongly QSP altered like the previous but is differentiated here because it appears to have the monzodiorite porphyry protolith, as opposed to the micro-monzodiorite. The top contact of the unit has a distinct and discreet boundary 30 TCA where the rock changes from being comprised of many very small feldspar and amphibole laths to a similar composition but coarse, which is mainly marked with an abrupt change in the size of amphibole crystals from very small slender crystals to up to 2-4mm irregular and sometimes blocky crystals (still about 15% volume). Feldspar shapes are less distinct in this interval as well and are typically subhedral columns or blocky crystals. However, alteration is intense and the texture of the rock is always at least partly destroyed and often completely obliterated. A few windows through the alteration hint at a micro-monzodiorite (interval noted below); it was not broken out because alteration makes an identification ambiguous and contacts are not clear. The rock is typically comprised of a	QSP	m			w		s	w				7					
CA1203	TB	65.73				15 TCA 4mm wide pyrite stringer Unusually wide.																	
CA1203	TB	67.92	68.37	0.45		This interval has an abrupt change in the colour of the rock from greenish-gray to white with really obvious 15% 3-4mm wide anhedral mafic phenocrysts, which are partly altered to chlorite +/- pyrite. Looks like the sericite here is responsible to the change in colour - i.e. greenish sericite has changed to whitish clay alteration - the rock is non-reactive to HCl.																	
CA1203	TB	68.37	70.61	2.24		Windows through the alteration suggest a MMD lithology in this area because there are abundant lath shaped feldspar phenocrysts, and no apparent large hbl pheno's. The interval has increased chlorite alteration. At the bottom of the interval appears to have a discrete contact 20TCA, with a definite change in colour from medium/dark green to light gray-green, however a few bands of pale coloured alteration extend into the darker green rock and expose coarse mafic pheno's, so the entire interval may only appear different as an artifact of alteration.																	
CA1203	TB	69.81	70.24	0.43		Broken core in this interval has lots of originally thick (thickness unknown) coarse white and orange calcite veins.																	
CA1203	TB	75.56	75.92	0.36		This core is really broken up, but there are a few chunks of semi-massive pyrite, and lots of pyrite veins in the gravel sized pieces.																	

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1203	**TB**	**80.31**	**85.88**	**5.57**	**MMDB**	Micro Monzodiorite Breccia This interval is comprised of brecciated micro monzodiorite. The rock is strongly QSP altered and has a moderate component of chlorite alteration as well, in places causing nearly-complete textural destruction. Obvious sections of breccia are from 80.31-80.66 and 84.79-85.88, elsewhere the core is really broken up, and occasional clast outlines are apparent but the rock seems somewhat homogeneous. The breccia fragments occupy 50-70% of the rock and are sub-angular 3mm to 3cm sized. They range in colour from buff to various shades of green and where alteration is not too intense abundant lath shaped sericite altered feldspar are present, indicating a MMD protolith. The matrix is dark gray-green and has abundant pyrite and chlorite, and in places quartz-sericite-pyrite. The interval is x-cut by abundant pyrite stringers and sub mm to 2mm calcite veins +/- pyrite. Pyrite is also present disseminated and in coarse irregular clots of chlorite-pyrite, together pyrite is 7% vol. The rock in this interval is weakly calcite altered away from calcite veins, and is non-magnetic.	CHSP	w			s		m	w				7					
CA1203	TB	84.40	85.88	1.48		Very abundant calcite veins and chlorite-pyrite clots.																	
CA1203	TB	85.11				32TCA faulted surface with minor gouge and rusty ground up rock																	
CA1203	**TB**	**85.88**	**93.21**	**7.33**	**MMD**	Micro-Monzodiorite This interval is comprised of 20% anhedral to euhedral feldspar phenocrysts 1-2mm and 10% needle shaped mafic phenocrysts, in a completely altered sericite/tan clay-quartz-pyrite groundmass. The rock is pale green and strongly sericite altered - with a subordinate quartz presence (the rock is quite soft). All feldspars are completely altered to sericite and where hbl pheno's are apparent, they are a tan colour indication alteration to tan clay?. Towards the bottom of the interval the rock gains a chlorite alteration component darkening the groundmass, sometimes occurring as chlorite-pyrite clots, and covering a few facture surfaces; as well, in a few locations near the bottom of the interval epidote blotches become apparent sometimes as pseudomorphs of mafic (and possibly feldspar) phenocrysts. A trachytic texture is apparent in some places but the orientation varies throughout the interval. The rock is x-cut by abundant pyrite stringers which are often wavy and irregular, and by 1-2mm calcite stringers; very rare calcite-hematite	QSP_WM	m			w-m	w	s	w		tr		6		tr			
CA1203	TB	87.17				band of 50 TCA aligned, up to 4mm long, amphibole pheno's (completely altered to a tan colour - illite?).																	
CA1203	TB	89.75	90.49	0.74		Dense zone of highly variable alteration and mineralization. X-cut by an increased quantity o late coarse white vuggy calcite veins, and earlier fine hematite-calcite veins, pyrite, and chlorite-pyrite veins. Pyrite in this interval comprises 20% volume. Further breakdown of the interval described below																	
CA1203	TB	89.82				Fine wormy pod of calcite+red hematite. The groundmass here and farther down the interval has hints of red hematite.																	
CA1203	TB	90.01				7 cm wide banded chlorite+pyrite vein (50:50) 40 TCA x-cut by coarse vuggy calcite vein that has coarse cpy.																	
CA1203	TB	90.14	93.21	3.07		The alteration here includes some epidote in the groundmass, and at the bottom of the interval, as epidote intensity increases, phenocrysts are pseudomorphed by epidote.																	
CA1203	TB	90.28				core is cut by a fracture with crushed rock and minor gouge 50 TCA.																	
CA1203	TB	91.35				Several occurrences of cpy in irregular and discontinuous 2mm wide calcite veins.																	
CA1203	**TB**	**93.21**	**94.20**	**0.99**	**MD**	Mafic Dike Black rock with 5% 1-2mm subhedral angular blocky feldspar phenocrysts - completely altered to calcite, and 8% 2-3mm calcite amygdules in a mainly aphanitic groundmass that has tiny, barely visible with a hand-lens, mafic crystals. The rock is moderately-strongly magnetic and reacts strongly to HCL. Strongly carbonate altered. The interval is cut by coarse calcite veins which are truncated at the margin of the dike. The dike has no pyrite and a trace of hematite.	CA							S						tr			

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
		m	m	m	Code		Code																
CA1203	**TB**	**94.20**	**99.21**	**5.01**	**MMD**	Micro Monzodiorite This interval is strongly and variably altered. The rock is comprised of 20% 1-2 sub-euhedral feldspar phenocrysts, which are often altered either to sericite or epidote. Mafic pheno's are obliterated, or altered to epidote and indistinguishable from similarly altered feldspars. The rock has a strong QSP alteration, and patchy K-spar and chlorite alteration. The chlorite is represented as chlorite veins/seams and pyrite/chlorite pods and veins. K-spar alteration is weakly preserved in a few location where the groundmass is pinkish and hard and has patchy moderate magnetism; In a few location k-feldspar forms selvages around a pyrite seam. The interval is x-cut by pyrite-calcite+/-epidote stringers, pyrite-chlorite, and pyrite-hematite veins, as well as late calcite stringers. Coarse pyrite is present in a number of the veins and fine pyrite stringers and disseminated pyrite are present. The interval contains 5% pyrite.	KCSP	w			m	m	s	w				5		tr			
CA1203	TB	95.23				1 cm wide K-altered area in zone with lots of stringer pyrite																	
CA1203	TB	96.52	96.74	0.22		Zone with lots of pyrite-chlorite and calcite pyrite veining, including a calcite-pyrite vein with a big blow-out of pyrite. Patchy pink calcite alteration near the veining.																	
CA1203	TB					1.5 cm wide 30 TCA band of brecciated wallrock in a chlorite vein.																	
CA1203	**TB**	**99.21**	**106.77**	**7.56**	**MMD**	Micro Monzodiorite This interval is transitional with the previous interval and is distinct in that the alteration is less intense and there is less associated pyrite. It is comprised of 5% 1-3mm an-euhedral hbl phenocrysts and 25% 1-3mm an-euhedral feldspars, which take the form of laths, columns and irregular angular shapes. The groundmass is altered and aphanitic. Mafic pheno's are mostly altered to chlorite, and feldspar pheno's are variably altered to epidote, sericite and calcite - usually a combination. The groundmass is moderately to strongly calcite altered and the rock reacts vigorously to HCl. Hematite is disseminated throughout the groundmass sometimes tinting it a reddish colour. Overall alteration consists of weak sericite-chlorite-hematite-pyrite and strong carbonate. The interval has decreasing alteration from the top to bottom, with the exception of a moderate QSP zone noted below. Vein density and pyrite concentration also decreases. Generally the interval contains 1% py which is disseminated and in veins, as well as in minor pyrite stringers, which are only	CCSP	w			m	w	w	s				1		tr			
CA1203	TB	99.21	102.05	2.84		Within this zone there are still a few magnetic sections of core - probably still a bit of potassic alteration.																	
CA1203	TB	105.67				20 TCA 4mm wide chlorite pyrite vein with abundant pyrite in the selvage.																	
CA1203	TB	105.70	106.77	1.07		Moderate QSP alteration. Increased py to 2%; occurs disseminated and in tiny irregular stringers.																	
CA1203	TB	106.47				2 cm wide glassy green dike with 10% aligned 3-4mm twinned plagioclase phenocrysts that form a band in the middle of the dike. Probably the same dike material as the underlying dike unit. 15 TCA																	
CA1203	**TB**	**106.77**	**111.70**	**4.93**	**MD**	Mafic Dike Medium gray-green rock with a fine grained phaneritic salt&pepper dioritic texture. Contains 1% calcite altered blocky plagioclase phenocrysts and 3% 1-4mm chlorite amygdules sometimes with a calcite core. The interval is strongly magnetic and reacts vigorously to HCl. It is x-cut by a medium density of calcite stringers and has no pyrite. Contacts have 1cm wide glassy green chill margins -top contact 35 TCA bottom 30 TCA	CC				m			s									
CA1203	**TB**	**111.70**	**120.41**	**8.71**	**MMD**	Micro Monzodiorite This interval is moderately to strongly QSP altered and has suffered a high degree of textural destruction. Where original textures are present the rock is quite variable and ranges from being comprised of 1-2mm sub-euhedral feldspar +/- mafic phenocrysts, to having a blotchy texture with 40% 2-4mm sub-euhedral feldspar columns. Mafic pheno's are mainly obliterated, and where feldspar pheno's are present they are completely altered to sericite and/or calcite. The rock is predominantly sericite altered with quartz and pyrite in the groundmass. Some mafic pheno's are preserved as chlorite pseudomorphs, but rarely. Chlorite and epidote are minor alteration products in this interval as well. Often the rock has a greenish semi translucent look and when observed with a hand-lens it is comprised entirely of QSP + carbonate. The rock reacts strongly to HCl in most places, and has some strongly carbonate altered selvages to pyrite veins, where the rock is a lighter colour. It is x-cut by a moderate density of late calcite veins, very low density of calcite-hematite veins, abundant pyrite stringers, and one coarse calcite-pyrite vein (noted be	QSCP	m			w	w	s	s				5					

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1203	TB	118.77	119.47	0.70		The rock in this interval has a really blotchy appearance from irregular hazy pods of calcite-epidote alteration.																	
CA1203	TB	119.85				1.5 cm wide 15 TCA composite calcite-chlorite-hematite-pyrite-cpy vein. Mainly comprised o calcite with roughly radiating blades of hematite and chlorite after hematite? As well as blobs of pyrite and cpy dispersed through the calcite.																	
CA1203	TB	120.05	120.41	0.36		Strongly calcite altered bleached rock in the selvage of two types of veins: 1) a coarse 20 TCA pyrite-calcite vein (1 cm wide), and a 4mm wide banded calcite-red hematite-pyrite vein 5 TCA.																	
CA1203	**TB**	**120.41**	**122.65**	**2.24**	**MMD**	Micro Monzodiorite Intensely chlorite-sericite-pyrite altered with places that are completely chlorite-pyrite flooded. In a few locations modified original textures are apparent: the rock is comprised of 15% angular 2-3mm mafic phenocrysts and 5% 2-4mm blocky feldspar phenocrysts; smaller pheno's may be totally obliterated and in just a few locations there are about 40% 1-2mm altered small feldspars. Because of the type of alteration the rock ranges from dark green to almost black with abundant pyrite which stands out against the dark colour of the rock. The rock reacts mildly to HCl and is non-magnetic. It contains about 10+% pyrite which occurs disseminated as multi-crystal roundish aggregates and individual cubes, in bands, and in veins. The interval is x-cut by calcite stringers and calcite-hematite-chlorite veins, one of which (noted below) contains several occurrences of cpy.	CCSP_WM				s		m	w		tr		10					
CA1203	**TB**	**122.65**	**153.77**	**31.12**	**MMD**	Micro Monzodiorite This interval is comprised of moderately sericite-calcite-chlorite-pyrite altered rock which commonly has preserved texture. Seeing this less-altered version of the rock which is also present higher in the hole, makes it apparent that division based on the size of mafic phenocrysts is not always (or never) useful, as within the micro monzodiorite there are gradual and rapid changes in this characteristic. The interval is comprised of 15% hbl phenocrysts which range in size from 1mm to 5mm, most typically between 1-3mm They are sub to euhedral and sometime lath shaped - larger pheno's have good crystal outlines when not overgrown by alteration minerals. Feldspar pheno's are not always well preserved in this interval, and comprise 20-40% volume and are 1-2 and rarely 3mm blocky sub-euhedral crystals that are commonly altered to sericite, or not visible relative to the groundmass at all. The groundmass is probably originally aphanitic, but in this interval it is altered to calcite-sericite-quartz+/- chlorite +/- epidote +/-hematite +/-pyrite. It takes on various colours based on subtle differences in the alteration; the rock is paler where carbonat	CCSP_WM	w			w-m	w-m	m	m		tr		3		tr			
CA1203	TB	125.88	126.41	0.53		Narrow zone of intense carbonate alteration - dense calcite stringers. The rock is strongly beached to a light beige colour.																	
CA1203	TB	127.91	128.43	0.52		Army green mafic dike. Probably mafic but mainly glass with tiny 1mm and smaller mafic and feldspar phenocrysts (about 10% volume). The dike is 40 TCA and the margins are distinguished with nearly 1 cm wide calcite veins. The surrounding rock has increased calcite and chlorite alteration and contains 7-8% disseminated globs of pyrite.																	
CA1203	TB	132.27	133.18	0.91		Within this area the rock has 4mm to 15mm sub-round shaped blotches of epidote +/- calcite +/- pyrite alteration. The alteration is cut by calcite veins and occupies 10% volume of the rock.																	
CA1203	TB	135.55				Here the rock is x-cut by a high density of very irregular banded calcite-hematite stringers which are not consistently oriented and which split and join. One section of particularly thick vein material is comprised of banded quartz (unusual in this hole) calcite, hematite, pyrite and traces of cpy. It is 1 cm wide on average (it pinches and swells) and 15 TCA.																	
CA1203	TB	141.72	142.65	0.93		Within this zone the rock has moderate hematite alteration of the groundmass, giving it a reddish colour, and there are abundant 3-12mm epidote blobs that sometimes have associated calcite and/or pyrite. The blobs occupy 15% volume.																	
CA1203	TB	142.83	144.17	1.34		Increased chlorite alteration. The rock is dark green-gray, all mafics are altered to chlorite, the rock has pods of chlorite-pyrite and narrow chlorite veins. Increased pyrite to 6% vol.																	
CA1203	TB	143.84				2mm 20 TCA pyrite-chlorite vein with 10% disseminated pyrite in 5 cm wide selvages																	

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1203	TB	144.17	148.18	4.01		This interval looks like Christmas. It has blotchy hematite stains around the sites of mafic phenocrysts, and blotchy epidote-calcite-pyrite alteration pods. Here the epidote pods are irregular and often angular. They range in size from 2-15mm.																	
CA1203	TB	148.18	150.22	2.04		Increased chlorite alteration. The rock is dark gray (almost black), all mafics are altered to chlorite and there is increased pyrite to 7% volume, which occurs mainly disseminated in multi-crystal blobs.																	
CA1203	TB	149.33				1.5 cm thick 10 TCA banded calcite-hematite-chlorite-quartz-pyrite-cpy vein, mainly comprised of calcite and hematite bands, with a distinct sub-band of quartz-chlorite.																	
CA1203	TB	151.79	153.77	1.98		Increased pyrite in this zone - probably from the thermal effect of the dike which is the next unit (see below)																	
CA1203	**TB**	**153.77**	**154.98**	**1.21**	**MD**	Mafic Dike Here the porphyry is intruded by a mafic-intermediate dike. The dike is medium gray and except along 3cm wide glassy-greenish chill margins, the dike has a semi-translucent groundmass with abundant tiny feldspar pheno's which are only visible with a hand-lens. It looks to have a fine salt and pepper texture macroscopically. It is cut by very abundant calcite veins and contains variable amounts of chlorite amygdules from 1-4mm diameter and on average occupying 5% volume. The rock is moderately magnetic, and strongly magnetic away from strong calcite veining, it reacts moderately to HCl away from calcite veins. The top and bottom contacts are both 50 TCA.	CC				w			m									
CA1203	TB	154.60	154.84	0.24		In this interval there are really strange rhomboid shaped and abundant chlorite amygdules - 15% volume.																	
CA1203	**TB**	**154.98**	**156.15**	**1.17**	**MMD**	Micro Monzodiorite This narrow interval of porphyry rock is between two mafic dikes. It is strongly chlorite-sericite-pyrite altered with a minor carbonate component. Alteration has obscured most phenocrysts phases but "preserved" mafic and feldspar pheno's are occasionally apparent although wholly altered to sericite, chlorite or tan clay. Where pheno's are best preserved they occupy about 35% volume of the rock and are 1-2mm long, sub-euhedral and sometimes lath shaped. The interval is x-cut by calcite stringers and up to 3mm calcite veins, pyrite stringers and pyrite-calcite-chlorite veins. Overall the interval has 5% disseminated and vein related pyrite. The rock is non-magnetic and reacts weakly to HCl away from calcite veins.	CHSP				m-s		m-s	w				5					
CA1203	**TB**	**156.15**	**160.93**	**4.78**	**MD**	Mafic/Intermediate Dike This dike is identical to the dike at 153.77-153.98, with a distinct salt&pepper phaneritic texture. The rock is medium gray-green and contains 7% 1-5mm chlorite amygdules. It is crosscut by abundant calcite stringers and up to 5mm wide veins. The rock is moderately magnetic and reacts moderately to strongly to HCl. The bottom of the interval is intersected by strong faulting and there are some fragments of pyrite rich porphyry mixed with the dike - intervals are noted below. Top contact is 50 TCA, bottom is fault modified.	CC			w				m									
CA1203	TB	158.76	160.51	1.75		Faulted interval - is criss-crossed with crushed rock and intervals of fault gouge. Greater than 50% of the rock in this interval is strongly altered pyrite rich clasts of intrusive porphyry. The fault-fragments are mainly strongly QSP or chlorite altered and have about 5% disseminated and vein related pyrite. Planes on the edge of fault gouge are 15 to 30 TCA.																	
CA1203	**TB**	**160.93**	**165.51**	**4.58**	**MMD**	Micro Monzodiorite This interval is affected by strong and variable chlorite-sericite-carbonate alteration. The rock is comprised of 40% 1-3mm mainly lath shaped pheno's. The pheno's are variably altered to sericite or chlorite depending on the dominant alteration, sometimes both. The groundmass is completely altered to these minerals as well. The rock is x-cut by abundant calcite +/- pyrite veins and stringers, rare pyrite stringers, and a set of nearly 0 TCA quartz-calcite-chlorite-hematite-pyrite-cpy veins, which are all sub-parallel, and join and split; they are noted below and very rich in cpy. The rock has abundant disseminated and vein related pyrite adding to 5% volume. The rock reacts moderately to HCl and is non-magnetic.	CCSP_WM				s	w	s	m		0.25		5		tr			

Hole_ID	Geo	From	To	Width	Rock Code	Description	Alteration Code	Alteration								Mineralization							
		m	m	m				SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1203	TB	163.70	165.51	1.81		This interval contains a number of splitting and joining, pinching and swelling banded calcite-quartz-hematite-chlorite-pyrite-cpy veins, which are rich in cpy. The veins often have bands of pyrite + cpy which are up to 1.5mm thick. The cpy occurs as layer parallel lenses and blebs within the veins. The veins themselves range from 1mm to 1 cm in width. They are roughly 0 TCA, thus a nice long intersection of Cu rich rock - somewhat artificial results...																	
CA1203	TB	165.51	165.51			EOH 165.51 m																	
CA1204	TR	0.00	6.10	6.10		Casing																	
CA1204	TR	6.10	9.35	3.25	MMD	Monz porph: Faulted. Abundant lim fracture fill at 1mm/20mm. 50-60% white-light green fsp phenos avg 1.5-2mm size, weakly to strongly ser altered. Beige to black matrix. Highly magnetic. Hbl phenos to 5mm size in places. 20% hbl phenos, totall, with 2mm size (avg.), typically chl altered.	CHSM				m		m						1		3		
CA1204	TR	9.35	11.75	2.40	MMD	Monz porph: Ser plus lim altered. Chl atlered hbl. As per above, but less broken. Picture: 102-2872.	CHSM				m		m						1		3		
CA1204	TR	11.75	12.50	0.75	MMD	Fault/b.c.: Monz porph, k-spar and mag altered. Mottled black and pink. Strong kspar flooding. Rubbly. Patchy mag alteration. Highly magnetic.	KMP		m										3		3		
CA1204	TR	12.50	15.54	3.04	MMD	Monz porph: ksp plus mag altered with qtz-mag-cpy plus cpy dissem. Abundant mag veinlets plus patches at 1mm/20mm. Patches to 1 cm size. Banded qtz-mag-cpy veins in places up to 1 cm thick and with avg VD of 3-4mm/30mm and at various orientations. Veins appear as clasts in palces -> very interesting! Good qtz-mag-kpy stockwork. Cpy as dissem in qtz-mag-cpy veins and as fracture coatings. mal abundant/not rare as dissem and fracture coatings. Abundant lim fracture coatings, highly oxideized, often with malachite. Rare carb alteration. < or equal to 0.1% Cpy. Pics: 102-2873: Brecciated qtz-mag-cpy clasts at 14.95 m; 102- 2874: Mal coating fractures.	KM_QMC		m							0.1			3		3	t	
CA1204	TR	15.54	16.28	0.74	Fault	Fault/gouge: As per above.	KM_QMC		m							0.1			3		3	t	
CA1204	TR	16.28	20.64	4.36	MMD	Monz porph: Ksp plus mag plus qtz altered as per above. Last 90 cm has less lim and k-alteration. Perv carb alteration grades in near end. Py dissem and stringers become more abundant near end. Transition to phyllic alteration? Abundant cpy in carb-qtz-mag vein at end of interval. This vein at 45 deg to CA.	KM_QMC		m					w		0.1		0.5	3		3	t	
CA1204	TR	20.64	21.54	0.90	MMD	Monz porph with chl plus carb plus ser alteration. Light green-grey with qtz-carb-py-cpy stockwork at 1-3mm/10mm. Some qtz-carb-py-cpy veins to 3-4cm width. QCV plus py plus cpy at multiple orientations. 2-3% py dissem and blebs. Less than 0.1% cpy.	CCSP				w		m	s		0.1		2					
CA1204	TR	21.54	22.13	0.59	MMD	Fault/b.c.: Monz porh: Dark green. Very broken. Chl altered. Perv carb alteration. Magnetic. Mag veinlets present. Trace mal on fractures. Cpy observed in qtz-carb-mag vein. Abundant py fracture coatings.	CCSP_QMC				m		m	s		t		3	t		1	t	
CA1204	TR	22.13	22.63	0.50	MMD	Monz porph (?): As per above. Not broken. Ankerite veins in places. Chl plus perv carb alteration. Rare hem veinlets.	CCSP				m		m	s		t		3			0.5		
CA1204	TR	22.63	23.04	0.41	MMD	Fault/b.c.: Monzodior porph: Very rubbly, pink to dark green. Relict/remnant k-silicate alteration? Qtz-mag-cpy vein at base. Perv carb. Py fracture coatings.	CCSP_QMC				m		m	s		t		3	t		1		
CA1204	TR	23.04	23.54	0.50	MMD	Monzodior porph (?): mottled pink/dark green. Chl plus perv carb alteration. Mag veinlets in places. Qtz-py-cpy veins are x-cut by py stringers plus qtz-carb-py veins. Probably QSP/propylitic overprint. Qtz-py-cpy veinlet at 25 deg to CA. Py stringers at 65 to CA.	CCSP_QMC				m		m	s		t		0.5	3				
CA1204	TR	23.54	24.12	0.58	MMD	Fault/b.c.: Monzodior porph. As per above. Trace cpy. Trace mal on fractures. Py plus lim on some fractures.	CCSP_QMC				m		m	s		t		2	t		0.5	t	
CA1204	TR	24.12	25.00	0.88	MMD	Monzodior porph: chl pus ser plus carb plus qtz-carb-py veins. 3-5% dissem py. Large vein of coarse py with qtz-carb at 24.22 at 45 deg to CA. Vein is 3-4 cm thick. Qtz-py-carb veins x-cut each other. 30-40% ser plus chl altered phenos.	CCSP				m		m	s				10					
CA1204	TR	25.00	25.66	0.66	MD	Mafic dyke: Dark green, carb veinlets. Carb amygs (5%) up to 2 mm size. Top contact faulted at 45 deg to CA. Post mineralization.																	
CA1204	TR	25.66	27.84	2.18	MMD	Fault/b.c. Monzodior porph: Dark green, perv carb. Weakly magnetic. Magmatic or hydrothermal mag? Qtz-carb-hem-py veinlets in places.	CCSP				m		m	s				1		1			

Hole_ID	Geo	From m	To m	Width m	Rock Code	Description	Alteration Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1204	TR	27.84	30.17	2.33	MMD	Monzodior porph: chl plus carb (perv) plus ser plus hem veinlets. Dark green. Chl pus ser altered mafic phenos. Hem veinlets (red) at 1mm/50mm VD between 25-45 deg to CA. Pyrite often associated with carb-hem veins. Variable perv carb alteration.	CCSP				m		m	v				0.5		2			
CA1204	TR	30.17	30.96	0.79	Fault	Clay gouge: Major fault. Light green-grey. Top contact at 45 deg to CA, similar for bottom contact	CCSP																
CA1204	TR	30.96	31.38	0.42	QCPV	Py-qtz-carb vein. 50% pyrite with blebs of cpy.	QCP									1		50					
CA1204	TR	31.38	32.48	1.10	MMD	Fault/b.c: Monzodior porph: Grey green. Ser plus chl altered phenos. Ank veins/veinlets with pyrite.	CCSP				m		m	m				1					
CA1204	TR	32.48	34.78	2.30	MMD	Monzodior porph: Dark green grey. Carb plus py plus/minus cpy veinlets. Broken core. Ank veinlets. Perv carb. Ser plus chl altered phenos. 30% phenos to 2 mm size. Trach text in places? Py on some fractures. Some hem veinlets.	CCSP				m		m	s		t							
CA1204	TR	34.78	35.68	0.90	MMD	Monzodior porph: Light grey. Silicified. No perv carb here. Carb plus py veins at 5 deg to CA. Slightly anastamosing. Dissem f.g. pyrite. 3-5% py total. Possible mal staining in one location (or fuchsite)?	QSP	w			m		s					3				t	
CA1204	TR	35.68	36.62	0.94	MMD	Monzodior porph: Light beige/green to pink colour. Stronger ser plus chl alteration. Ser > chl. Bleached, yellow matrix. Perv carb with carb (ankerite) veinlets throughout. 30% ser altered fsp to 2mm (euhed) plus 3-5% hbl phenos to 3-4mm size. 0.5% dissem mag as 0.5-1mm grains. Light pink k-spars -> kspar flooding?	CCSP		w		m		m	s					0.5				
CA1204	TR	36.62	37.75	1.13	MMD	Fault/b.c.: Monzodior porph with chl plus ser alteration plus py dissem plus ank veins. Trach texture in places. 3-5% py dissem f.g. Perv carb. Some more coarsely porph sections with more intrusive character. Light grey green. Some py plus carb.	CCSP				m		m	m				3					
CA1204	TR	37.75	38.63	0.88	MMD	Monzodior porph: As per above, but less coarsely xtalline. Strong ser plus chl alteration. Ligh grey green. Abundant carb veinlets. 50-60% fsp plus hbl phenos to 2mm avg.	CCSP				m		m	m				3					
CA1204	TR	38.63	40.50	1.87	MMD	Fault/b.c.: Monzodior: As per above. Weakly magnetic - > magmatic or alteration?	CCSM				w		m	m									
CA1204	TR	40.50	42.48	1.98	MMD	Fault/b.c.: Monzodior: Light grey green-pinkish. More coarsely grained, intrusive looking. 50-60% phenos. 35% fspar phenos, light green, avg size of 2-3 mm. 15% hbl phenos to 3-4 mm size. Hbl weakly chl altered. Fsp mod to strongly ser altered. Weakly to mod magnetic. Perv carb-ank veining in places.	CCS				w		m	s					t				
CA1204	TR	42.48	44.13	1.65	MMD	Monzodior/trach: As per above, but less coarsely grained. A bit darker green. Mod py replacement of hbl in places. Py stringers and carb-hem-py stringers in places. 0.1-0.5% py as stringers and more rare dissem. Carb plus py veins at 25 deg to CA and 3mm/400mm VD.	CCSP				m		s	s				0.5					
CA1204	TR	44.13	48.54	4.41	MMD	Monzodior with strong ser plus py plus carb alteration. Light grey-green, bleached. Increasing py content and textural destruction as move downhole from here. 50-60% fsp plus hbl phenos to 2-3mm average. Most bleached zones assoc with carb-py veining, often at low angles to CA. Up to 5-10% py dissem in places. Qtz-carb-hem-py veins at 50-10 deg to 45 deg to CA and 1-10mm/200mm VD. 5% py dissem plus blebs plus stringers for last 150 cm.	CSP						s	s				3					
CA1204	TR	48.54	49.17	0.63	MMD	Monzodior porph: Contains near massive pyrite. Intense QSP. 40% msv py in qtz-carb veining at low angles to CA (approx 50 deg to CA). Carb alteration of matrix = absent. Increased pyrite = less perv carb alteration?	QSP	w			w		s					40					
CA1204	TR	49.17	67.16	17.99	MMD	Fault/b.c.: Very rubbly with rare sections of greater than 10 cm pieces. Monzodior porph with QSP (mostly ser plus py plus carb) at slightly varaible intensities (mod to strong). Yellowish to light green grey. Abundant py as dissem plus stringers. Py stringers with big haloes (grey)/selvedges show up again here, similar to hole 2. Some potential bx sections. Pervasive carb alteration grades in and out. Zones with most bleaching and py stringers have less perv carb. Py dissem in places. Py content variable throughout, but 3% on average. Some 10-20 cm sections of intense QSP with 10% pyrite (stringers plus dissem). What are dark grey selvedges on py stringers? Bleached, texturally destructive zones grae in and out. Intensity of ser alteration a bit variable, too. Local gougey sections at 30 to 60 deg to CA. Gouge never more than 2-3 cm thick.	CSP	v			w		s	s				3					
CA1204	TR	67.16	67.98	0.82	MMD	Monzodior porph: Intense QSP. Texturally destructive. 30% dissem py in final 25 cm of unit. Perv carb. Carb less intense with increased py.	QSCP	w					s	s				15					

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1204	TR	67.98	71.41	3.43	MMD	Fault/b.c.: Monzodior porph: Abundant py stringers with large, grey haloes. Light grey-green to pinkish unit. Stringers with haloes are both py plus carb. Py plus carb veins at 1-2mm/50mm. Also darker coloured qtz-py veinlets. Unit becomes darker brown at depth. Trace cpy associated with dark qtz-veins. Very local epidote. Pervasive carb. 3-5% py, mostly as stringers. Rubbly.	CSP						m	s		t		3					
CA1204	TR	71.41	79.95	8.54	MMD	Fault/b.c.: Monzodior porph: Brownish to mottled/pinkish. Local k-spar flooding. Some zones of k-spar alteration assoc with local mag veining with cpy. Nice porphyritic texture. Ser plus py, texturally destructive alteration is absent here. Pervasive carb alteration. Local fractures coated with moly paint. Pictures: 102-2875, 2876, 2877 of mag plus cpy veinlets with k-sp flooding haloes. In box 16 in various locations (~ 73.46 depth). Py veinlets with grey selvedges at 65 deg to CA appear in last 2-3 m. Hem fracture coatings. Abundant py stringers near base (last m) at 1mm/30mm. Ser-py increases towards base. Rubby unit as a whole.	KMPSC	w	m				w	s	t	t	t	1	0.1	0.1			
CA1204	TR	79.95	82.17	2.22	MD	Mafic dyke: Light grey-green with up to 3-5% carb plus hem amygs to 4mm size. Not as faulted. Post dates faulting? Carb plus hem veinlets in places.																	
CA1204	TR	82.17	93.80	11.63	MMD	Fault/b.c.: Monzodior porph with k-flooding plus mag plus cpy plus py plus QCVs. As per 71.41. Rare cpy. Qtz-carb-cpy veins in places. Low vein density overall (3-4mm/500mm).	KMPSC	w	m				w	s		t		0.5	0.1	0.1			
CA1204	TR	93.80	100.99	7.19	MMD	Monzodior porph with ser plus chl plus pyrite alteration. Light to dark green grey. Up to 30% green ser altered phenos to 2-3 mm size. Abundant QC pluys py veins at 3-10mm/400-500mm VD at 15 to 70 deg to CA. Small fault/cave from 99.74-100.04. Variable perv carb alteration. Local carb-hem veins.	CCSP																
CA1204	TR	100.99	104.98	3.99	MMD	Fault/b.c.: Rubbly monzodior porph with k-alteration plus mag plus trace cpy plus perv carb plus py. Mottled pink/black colour. Trace cpy plus mal in places. Abundant, patchy mag in places. Patches to 1 cm size. Abundant py as qtz-carb-py stringers plus as py dissem. 1-2% py total. Chl altered hbl phenos.	KMPSC		m		m		m	s		t		2	0.5				
CA1204	TR	104.98	107.60	2.62	MMD	Fault/b.c.: Rubbly monzodior porph with ser plus py plus perv carb alteration. Light green. Qtz-carb-py veins at 3-4m/200mm VD at various angles to CA. Chl alteration of hbl phenos? 2-3% py as qtz-carb-py stringers plus py dissem.	CCSP				m		s	s				2					
CA1204	TR	107.60	111.88	4.28	MMD	Fault/b.c.: Very rubbly monzodior porph with k-flooding plus mag dissem plus perv carb plus qtz-carb-py veins. Nice bleached selvedges on qtz-py-carb veins/veinlets. Local bx sections. Picture: 102-2881 at 108. K-flooding in fault rubble.	KMPSC		m		m		m	s				2					
CA1204	TR	111.88	124.12	12.24	MMD	Fault/b.c: Very broken with local gouge. Monzodior porph with local k-spar flooding and mag veins/patches plus ser plus chl plus perv carb plus qtz-carb-py veins. Mottle pink-brown. Local k-spar flooding (rare) plus more abundant mag patches. Qtz-carb-py stringers/veinlets with bleached selvedges at 1-2mm/150mm. K-silicate with QSP overprint (?) Trace moly paint? Strong ser alteration in places. QSP increases downhole. 1-2% pyrite. Lim fracture coatings.	KMPSC		m		m		m	s			t	2			1		
CA1204	TR	124.12	131.37	7.25	MMD	Fault/b.c.: Rubbly with local gouge. Monzodior porph with strong ser plus/minus chl plus qtz-carb-py alteration. Light grey-green. Lim fractures. Perv carb. QSP intensity incrases downhole. Qtz-carb-py veins at 2-3mm/200mm. Potential trach texture in places. 30-40% light green, ser altered phenos to 1-2mm avg. Gougey last 10 cm. Many fractures/faults at low angles to CA.	CSP				m		s	s			2				1		
CA1204	TR	131.37	134.22	2.85	MMD	Monzodior porph with strong ser plus chl plus qtz-carb-py veins and local thick cpy-qtz-carb vein. Light grey-green, bleached. Abundant qtz-carb-py veins at 25-30 deg to CA. Abundant f.g.-m.g. dissem py. Py stringers wormy in places. Beautiful qtz-carb-cpy-py veins at 132.76 1.5-2 cm thick, very high grade Cu. Vein trends 30-35 deg to CA, slightly wavy. Qtz-carb grains on margin of cpy vein. Picture: 102-2882: Thick cpy vein (qtz-carb) in bleached QSP altered monzodior porph. Silicified. Perv carb absent. Carb-qtz-py plus/minus cpy veins at 3mm/20mm.	CHSP	m					s			t		10					
CA1204	TR	134.22	136.56	2.34	MMD	Monzodior porph with ser plus chl plus qtz-carb-py veining (grey selvedge). Darker green, less QSP altered. Rare, thick qtz-mag vein at 134.72. Strong ser alteration of fsp phenos.	CHSP				m		s					5	t				

Hole_ID	Geo	From m	To m	Width m	Rock Code	Description	Alteration Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1204	TR	136.56	142.24	5.68	MMD	Fault/b.c: Several zones of rubble plus local gouge. Fractures at low angles to CA. Monzodior, with ser plus py plus carb alteration with local zones of bleaching assoc with silic and higher density of qtz-carb-py veining. Dark to light green grey colour.	CHSP	w			m		s					2					
CA1204	TR	142.24	144.36	2.12	MMD	Monzodior porph with qtz-ser plus/minus chl plus carb-qtz-py veins. Light green-grey, variably bleached as per 131.37. Thick qtz-carb-py stringers in places. Often ccontain coarse pyrite -> 25 deg to CA. Local hem with qtz-carb. 3-5% py.	QSCCP	m			m		s					3					
CA1204	TR	144.36	146.51	2.15	MMD	Monzodior porph/trach with ser plus chl plus wk silica plus qtz-carb-py veins plus carb-chl veins. Light grey green, broken in places, rusty fracture. Weak silic. 0.5% dissem py, f.g. Also carb-qtz-hem veins. Veins at 33 deg to 80 deg to CA. Some qtz-carb-py veins sub parallel to CA.	QSCCP	w			m		s					0.5			3		
CA1204	TR	146.51	147.16	0.65	MMD	Monzodior porph with wk ser, rusty and mottled. More coarsely grained (avg. 2-3 mm). Strong silic.	QSCCP	m			m		m					t					
CA1204	TR	147.16	147.36	0.20	MMD	Fault/b.c.: Light grey-green monzodior porph. Lim fracture fill Local gouge at 85 deg to CA.	QSCCP	w			m		s					t					
CA1204	TR	147.36	147.93	0.57	MMD	Monzodior porph with abundant py, strong ser plus sil alteration. Light grey, slightly bleached. 30-40% py as big stringers plus dissem.	QSP	m					s					30					
CA1204	TR	147.93	152.70	4.77	MMD	Monzodior porph with ser plus chl plus perv carb plus qtz-carb-py veins (with grey selvedges) which are x-cut by qtz-py veins. Rusty fractures. Pic: 102-2887: Qtz-carb-py with selvedge is x-cut by qtz-py veins. Qtz-carb-py veins at 37 deg to CA.	QSCCP	v			m		s	w				3					
CA1204	TR	152.70	156.35	3.65	MMD	Monzodior porph with variable silic/bleaching plus ser plus chl. Light grey-green with slic, bleached zones grading in and out. Toop 70-80 cm has abundant carb veining with hem. Carb veins contain ser plus sil altered monzodior porph clasts. Qtz-carb-py stringers in places, but more rare and mostly in bleached sections. Dissem-blebby py in places. 2-3% py.	QSCCP	v			m		s	w				3					
CA1204	TR	156.35	158.18	1.83	MMD	Monzodior porph with weak ser and mod chl alteration, with qtz-carb-py veinlets. Mottled brown, rusty. Wavy qtz-carb-py vein along CA for last 30-40cm, with good grey selvedge. Lim fractures. 3-5% py, mostly as stringers. Increasingly broken down hole.	QSCCP	w			m		w	s				3					
CA1204	TR	158.18	161.53	3.35	MMD	Fault/b.c.: Local gouge, very rubbly. As per above. Qtz-carb-py stringers.		w			m		w	s				3					
CA1204	TR	161.53	162.42	0.89	MD	Mafic dyke: Dark green, post mineral. Carb-hem veins plus 0.1-0.5% carb amygs to 3mm size. Perv carb. Aphyric.								s									
CA1204	TR	162.42	162.72	0.30	FD	Rhy dike (?): Light orange-brown. Sharp ctc with mafic dike above at 15 deg to CA. Carb plus hem amygs (1-2%) to 3mm size. Chl veinlets. Strange lithology! X-cut by local carb-qtz hem vein with small bleb of cpy.					w					t				t			
CA1204	TR	162.72	168.10	5.38	MD	Mafic dyke: As per 161.53. Local carb-hem veins. Bottom ctc at 45 deg to CA.								s									
CA1204	TR	168.10	169.57	1.47	MMD	Monzodior porph with ser plus chl plus sil plus py alteration with carb-hem-py veins. Dark grey-greey. Intense ser alteration. 2-3% py (f.g.) dissem. Wispy chl veins/veinlets produce mottled texture.	QSCCP	m			m			s				3					
CA1204	TR	169.57	176.23	6.66	FD?	Dike: Trachyte? Latite? Dark green. Good chilled margins. Becomes coarsely porphyritic in core with 40% plag plus/minus kspar phenos avg 2-3 mm size, up to 5mm. 1% carb amygs to 3mm size. Matrix is black-dark green. Light green fsp phenos take on bright pink/salmon colour in places. k-flooding? Very strange. K-alteration or hem dusting of fspars? Picture: 102-2888: Latite/trach porph dike -> post min. K-alteration in places? Abundant carb veinlets at 25 deg to CA. Possibly same phase as other dikes, just more porphyritic.			?					s									
CA1204	TR	176.23	186.62	10.39	MD	Mafic dike: Dark grey green, local carb and chl amygs. Local fsp phyric sections (e.g. 188.28-184.11). Possible zones of engulfed, ser plus/minus kspar altered monz porph. More fsp phyric sections may be other dike phases? Abundant carb-hem veinlets/veins at variable orientations. Bottom ctc at 65 deg to CA.								s						t			
CA1204	TR	186.62	187.17	0.55	MMD	Monzodior porph: Light grey green, strong ser plus/minus chl alteration with 5% py dissem and blebs. As per 156.35. interesting to see such altered rock is in between these dikes. Last 5 cm is gouge with btm contact at 60 deg to CA.	QSCCP	w		m			s					5					
CA1204	TR	187.17	190.48	3.31	MD	Mafic dike with carb veinlets. As per 176.23.																	
CA1204	TR	190.48	191.72	1.24	MMD	Faullt/b.c.: Monzodior porph (?): Intensely silica altered with 5-10% dissem py. Fractured and rubbly. 5 cm gouge at top at 35 deg to CA.	QSP	s					s					5					

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1204	TR	191.72	193.14	1.42	MMD	Monzodior porph: Strong ser plus sil plus py. Light green-grey with abundant py as thick (10 cm) zones of msv py and thick stringers. More pyrite = more bleaching. 10% pyrite. 20-30% ser altered phenos to 2-3 mm size.	QSP	m					s					10					
CA1204	TR	193.14	193.54	0.40	MD	Mafic dike: Dark green0grey with carb veinlets and carb mygs. Lower ctc at 15 deg to CA.																	
CA1204	TR	193.54	196.07	2.53	MMD	Monzodior porph: Ser plus chl plus py plus wk silica alteration. 1% py dissem.	QSCCP	w			m		m					1					
CA1204	TR	195.58	198.57	2.99	MMD	Monzodior with mod ser plus chl plus perv carb alteration. Carb-qtz-y veinlets at 50 deg to CA with chl haloes. 30-40% mod ser altered fsp plus 10-15% mode chl altered hbl phenos. Mottled black-honey colour. 0.5% py dissem plus stringers. Hbl phenos to 3-4 mm size. Weakly to mod magnetic.	CCSP				m		m	s				0.5					
CA1204	TR	196.07	195.58	-0.49	MD	Mafic dike: Dark green-grey with carb veinlets and carb amygs.																	
CA1204	TR	198.57	199.90	1.33	MD	Fault/b.c.: Mafic dike as per 196.07. Rubbly sections with local gouge.																	
CA1204	TR	199.90	203.97	4.07	MMD	Monzodior porph: Ser plus chl plus carb plus py alteration, as per 195.58. Local carb-qtz-py plus/minus hem veins at 35 deg to CA. Some 10 cm zones with up to 5-10% py dissem.	CCSP				m		m	s				0.5					
CA1204	TR	203.97	204.99	1.02	MD	Fault/b.c. Mafic dike as per 196.07																	
CA1204	TR	204.99	208.86	3.87	MMD	Monzodior porph: 30-40% massive py (with qtz-carb) and abundant py dissem in intensely silica-ser (bleached) porph with 30-40% ser altered fspar and hbl pehnos up to 3-4 mm size (1-2 mm avg.). Wormy QVs in places and ank. Local chl veinlets. Abundant carb intergrown with msv py.	QSP	s					s					40					
CA1204	TR	208.86	209.98	1.12	MMD	Monzodior porph: Mod chl plus ser plus carb veins. Mottled pink-black to dark green. Weakly mag. No perv carb.	CHSM				m		m										
CA1204	TR	209.98	210.62	0.64	MMD	Fault/b.c.: Monzodior porph as per 208.86. Broken with some more rubbly sections.	CHSM				m		m										
CA1204	TR	210.62	212.02	1.40	MMD	Monzodior porph with mod ser plus chl with perv carb and py stringers. Mottled, dark green with pinkish sections. 10-15% chl altered hbl phenos to 2-3mm size. Py stringers at 30-35 deg to CA at 2mm/300mm VD. 0.5% py.	CCSP				m		m	m				0.5					
CA1204	TR	212.02	213.46	1.44	MD	Mafic dike: Green-grey, weakly fsp phyric. 0.1-0.5% small, white crystals (0.1 mm avg. size) > dissem leucoxene? Top ctc brecciated. Roughly at 80 deg to CA																	
CA1204	TR	213.46	216.24	2.78	MMD	Monzodior porph with chl plus ser plus qtz-carb-py-chl stringers. Very mottled pink-dark green texture with local pink-bleached zones and local carb-chl-ank veining plus hem veining. Perv carb. Top 50 cm broken. 0.5% py avg.	CCSP				m		m	s				0.5		t			
CA1204	TR	216.24	218.46	2.22	MMD	Fault/b.c.: Very rubbly with local gouge. Gouge at end is sub parallel to CA at 25 deg. Monzodior porph: Mottled pink green colour as per 213.46m Local qtz-carb py veins with wide, grey (silica plus py) selvedges.	CCSP				m		m	s				0.5					
CA1204	TR	218.46	219.76	1.30	MMD	Monzodior porph with k-flooding (?) plus chl plus qtz-carb-py veining plus silica. Mottled pink-dark green. Chl-carb-qtz-py stringers have k-flooding (?) on margins. Zones of k-flooding (pink) are silic. Carb-qtz-py plus/minus chl stringers at 30-35 deg to CA in places and at multiple (10 to 80 deg to CA) orientations elsewhere. Also py dissem and blebs. 2-3% py total. Carb veinlets, too.	KSSCCP	m	m?		m							2					
CA1204	TR	219.76	224.97	5.21	MMD	Monzodior porph with silica plus chl plus ser plus chl-carb-hem-py veins plus py dissem. Dark green-grey green. Silicified. Variably intense perv carb alteration. Some pinkish sections associated with zones of chl-carb-py veining with wispy chl-py-carb in places. Other chl-py-carb veins at 45 deg to CA. 50 cm of broken cre from 221.28. 1-2% py total. Dissem flg. py throughout. Carb veins at 45 deg to CA at 2mm/200mm VD.	KSSCCP	m			w		w	m				1					
CA1204	TR	224.97	235.72	10.75	FPD	Diorite porph dike: as per bottom/lower hole 2. Similar to dior porph observed in creek with JB et al. on day 1 of fieldwork. Dark green-grey with good chilled margins. Coarsely fsp phyric core with 50-70% light green, weakly ser altered, often zoned plag (?) phenos to 1 cm size (avg. 3-4 mm). Pervasive carb alteration. Matrix = chl altered hbl. Trace py dissem. Carb altered (light green) phenos in places? 50-60cm broken zone at 233.48m. Abundant carb veins/veinlets at various orientations.	CCSP				m		w	s				t					

Hole_ID	Geo	From m	To m	Width m	Rock Code	Description	Alteration Code	Alteration SIL	OR	BI	CH	EP	SER	CAL	Other	Mineralization CP	MO	MS	MT	HT	LIM	MAL	Other
CA1204	TR	235.72	239.07	3.35	MMD	Monzodior porph with sil plus chl plus ser plus qtz-carb-py plus/minus cpy veins. Bleached, light green-grey. Abundant dissem py. Variable carb alteration, with less carb alteration in qtz-py rich, bleached zones. Abundant qtz-carb-py veins with grey selvedges at base. Thes are wavy, sub parallel to CA. Local epidote patches. Cpy blebs intergrown with py blebs at 1 location (237.5). 3-5% py. Picture: 102-2889: Qtz-carb-py veins with grey selvedges, sub parallel to CA.	QSCCP	m			m	t	s	v				3					
CA1204	TR	239.07	241.56	2.49	MMD	Fault/b.c.: Very rubbly, with local gouge subparallel to CA. As per 235.72.	QSCCP	m			m	t	s	v				3					
CA1204	TR	241.56	246.79	5.23	MMD	Monzodior porph with slilca plus wk-mod ser plus chl plus py plus ep plus gypsum. Light grey, bleached zones. More coarse grained porph with slightly bleached out texture (silic). 15-20% chl altered hbl phenos to 2-3 mm size, often altered by pyrite. Small zones of plag -> epidote grae in and out. Gyp veins first appear here at 2mm/300mm VD and highly variable, sometimes wormy orientations. Gyp sometimes as gyp-carb-py veins. Also qtz-carb-y veins at 40 deg to CA with 3-4mm/1000mm VD. Local chl-carb-py veins. Propylitic overprint on QSP?	QSCCP	m			m	t	m	m				2					g
CA1204	TR	246.79	248.36	1.57	MMD	Fault: Gouge in weakly broken core at sub parallel (5-10 deg) to CA. As per 241.56 Dissem py grades in and out. Strong ser alteration associated with py dissem. Chl-carb plus gyp-carb veinlets.	QSCCP	m			m	t	m	w				0.5					g
CA1204	TR	248.36	249.40	1.04	MMD	Monzodior porph with ser plus chl plus py with chl-carb-py veins and gyp veins. Light green-grey. Strong ser alteration. 0.1% py dissem. Bleached.	QSCCP	m			m		s					0.1					g
CA1204	TR	249.40	253.36	3.96	MMD	Fault/b.c.: Mod broken core. Monzodior porph with wk ser plus wk chl plus perv carb. Abundant patchy epidote alteration of plag. Chl-carb-py veins. 0.5-1% py. 15-20% weakly chl altered hbl phenos to 3-4 mm size. Weak silic in places.	EPCHSCP	w			w	m	w	s				0.5					g
CA1204	TR	253.36	254.08	0.72	MD	Mafic dike: Dark green-grey, good chills. 15-20% carb plus hem amygs to 3-4mm size. Top ctc at 45 deg to CA, btm ctc at 35 deg to CA.								s									
CA1204	TR	254.08	264.76	10.68	MMD	Monzodior porph with variable ser plus py (qtz-carb-py veins) plus chl plus ep plus gypsum alteration. Phyllic with propylitic overprint? Light green-grey ser plus py zones alternate with darker chl-ep zones. Qtz-carb-py veins with grey selvedges at 2-3mm/100mm at 25-50 deg to CA. Qtz-carb-py veins with grey-brown selvedges x-cut by gyp-carb veins. Gyp-carb vein parallel qtz-carb-py veins in places, using same zone of weakness. Very straight margins for veins. More coarsely porphyritic sections alternate with sections with trach texture at 35 deg to CA. Abundant gyp veins at 2mm/150mm, with variable orientations. Picture: 102-2890: Gyp-carb vein x-cuts qtz-carb-py vein with selvedge.	EPCHSCP	w			w	v		m				2					g
CA1204	TR	264.76	270.64	5.88	MD	Mafic dike: Dark green, weakly fsp phyric with 0.5-1% chl plus carb amygs to 2mm size. Top ctc at 55 to CA. Btm ctc at 45 deg to CA.																	
CA1204	TR	270.64	284.16	13.52	MMD	Monzodior porph: As per 254.08. Alternating bleached zones of ser plus py alteration plus ch-ep alteration. Abundant qtz-carb-py veins with big selvedges are x-cut by abundant gyp-carb veins. Patchy epidote alteration grades in and out. Ser alteration assoc with zones of most abundant qtz-carb-py veins. Ep-chl zones have perv carb. Ser plus py zones are not carb altered.	EPCHSCP				w	w	m	v				3					g
CA1204	TR	284.16	291.29	7.13	MMDB_MV	Monzodior porph (?): Sheared? Potential zones of altered volcanic? As per 270.64 in terms of alteration, but has acquired a fabric/foliation -> shearing? Looks volcanic in places. Potential clasts? Fabric at 55 deg to CA. Proximal to margin of intrusion. Potential bx in places with grey, silicified clasts to 2 cm size. More porph-like at top, more bx/volcanic-like a base. Alternating sericitized bands/laminae and chl altered/chl rich laminae. Abundant dissem-blebby py and local qtz-carb-py veins with selvedge. Abundant gyp-carb veins.	EPCHSCP	m			m		s					3					g
CA1204	TR	291.29	292.53	1.24	MD	Mafic dike: Dark green-grey, up to 20% fspar phenos/ghost-like to 3-4 mm size in places. Up to 15% chl amygs to 1-2mm near lower ctc/chilled margin. Faulted/b.c.																	
CA1204	TR	292.53	299.22	6.69	RB	Rhy bx(?): Sil plus ser plus py plus/minus tourmaline. Biege to creamy to salmon coloured rhy clasts with py rich matrix. Fabric at 15 deg to CA. 5-10% pyrite. Possible altered monzodior clasts at 297.58 Also chl alterec clasts containing dissem py, up to 2-3 cm in size	QSP_T	m					m					5					t
CA1204	TR	299.20	300.53	1.33	MD	Fault/b.c.: Mafic dike. As per previous examples.								s									

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1204	TR	300.53	302.35	1.82	HTLT	Heterolithic lap tuff: Matrix supported. Dark green matrix with hem/jasper altered clasts from 3-4mm to 1 cm size. Also a 30 cm pink/salmon coloured, aphyric rhy clasts (or dike?) in middle of unit. Local gouge. Rubbly. 5 cm clay gouge at end.														w			
CA1204	TR	302.35	302.95	0.60	SYB	Fault/b.c.: Syenite bx? Dark green matrix. 80% orange clasts to 1 cm size. Not too sure what this unit is! Ends in bright orange, aphyric lithology and fault gouge. X-cut by carb veins.					m												
CA1204	TR	302.95	305.60	2.65	Fault	Fault: Abundant clay gouge. Fractures/gouge sub parallel to CA. Monz-sy porph. Clay gouge sections (multiple) to 10 cm length.					m												
CA1204	TR	305.60	308.28	2.68	MMD	Fault: Zones of clay gouge sub parallel to CA. Monzodior porph? Dark green-orange. 1-2% orange-light brown fsp phenos (k-spar?) to 2-3mm size. 1-2% mafic (hbl?) phenos, weakly chl altered, up to 3-4mm size. X-cut by calcite veinlets with chl margins. No py.					m												
CA1204	TR	308.28	311.51	3.23	MMD	Monzodior/sy porph: Alternating, bright orange and dark green-orangish lith, variably porphyritic with sections of up to 30-40% crowded, orange k-spar (?) up to 3mm size. 1-3% hbl phenos are ser altered in places. Local vugs (1cm) filled with soapy mineral (gyp?). No py. Last 100 cm of unit is bleached and ser altered. Interesting! Pictures: 102-2891: Orange fsp (kspar?) plus hbl phyric monz-sy porph?	QS	w					w										
CA1204	TR	311.51	312.72	1.21	MD	Mafic dike: As per above examples.																	
CA1204	TR	312.72	313.43	0.71	MMD	Monzodior-sy porph: As per 308.28, with ser plush chl plus py alteration. Trace py dissem. Chl veinlets.	CHSP				m		s					t					
CA1204	TR	313.43	314.84	1.41	MMD	Fault: 60 cm of gouge at end. Fractures at 60 deg to CA. Abundant carb plus chl veining in places. Monzodior/sy porph. Ser plus chl altered with trace py.	CHSP																
CA1204	TR	314.84	318.00	3.16	MV	Mafic volcaniclastics? Dark-green to purplish with sections containing hem altered bas/diabase clasts up to 4-5 cm size. Last 30 cm has ser plus py alteration, adjacent to big carb plus chl vein.					w		m					t					
CA1204	TR	318.00	325.13	7.13	MD	Mafic/latite dike? Dark green with 1-2% light green to orange fspar (kspar?) phenos to 3mm size. Good twinning observed in some fspars. Abundant carb veining at multiple orientations.																	
CA1204	TR	325.13	327.36	2.23	MD	Fault/b.c.: Mafic-latite/trach dike. As per 318.																	
CA1204	TR	327.36	327.36			EOH 327.36 m																	
CA1205	**TB**	**0.00**	**6.10**	**6.10**		Casing No recovery																	
CA1205	**TB**	**6.10**	**7.92**	**1.82**	**IV**	Intermediate Volcanic This interval is strongly sericite altered and affected by surface weathering. It is a very soft gray-green rock with little distinguishing texture. Rare windows through the alteration indicate a very fine grained rock with 5% <!mm feldspar phenocrysts. The alteration is intense and has made the rock very soft. It is easily scratched deeply. Most of the volcanic rock has been altered to sericite and chlorite. Pyrite is evenly disseminated throughout the interval and occupies 4% volume of the rock. A low density of irregular and often truncated-by-fracture calcite veins x-cut the interval. The rock does not react to HCl away from calcite veins and is non-magnetic. The bottom contact is an intense fault zone, the upper portion of which is comprised of slivers of broken volcanic rock.	CHSP				m		s					4					
CA1205	**TB**	**7.92**	**11.40**	**3.48**	**Fault**	Fault Rock This interval is occupied by an intense fault. The upper portion of the fault is occupied mainly by sliver like fragments of volcanic rock, the middle is completely incompetent core comprised of clay and unrecognizable fragments of rock. The lower portion of the fault has an increased amount of rock fragments. The top contact is gradational and represented by increasingly fragmental core, the bottom contact is discreet 40TCA. The rock is strongly clay altered. Probably there was an originally high pyrite concentration because much of the clay is stained rusty orange.	CHSP						s										
CA1205	TB	7.92	9.73	1.81		All broken slivers of volcanic rock																	
CA1205	TB	9.73	10.57	0.84		Mainly orange, buff and pale greenish clay with ground up rock granules																	
CA1205	TB	10.57	11.40	0.83		Increased concentration of larger gravel sized rock fragments.																	

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1205	**TB**	**11.40**	**12.80**	**1.40**	**MD**	Mafic Dike Comprised of 5% 2-3mm typically square or blocky feldspar phenocrysts, often with an orangish hue, in a fine grained, nearly aphanitic groundmass, which also contains rare 1-3mm calcite amygdules. The feldspar phenocrysts are soft and altered, probably partly to calcite/limonite because they react weakly to HCl. The rock is generally a dark gray colour, and x-cut by irregular calcite stringers. It reacts weakly-moderately to HCl away from calcite veins and is moderately magnetic.	CC				m			m									
CA1205	**TB**	**12.80**	**18.90**	**6.10**	**IV**	Intermediate Volcanic This interval is strongly affected by faulting related to the underlying interval which is mainly fault gouge. It is comprised of strongly chlorite-sericite altered volcanic rock, which includes what look like possible bedded tuffs, and volcanic breccia. Most of the interval is comprised of aphanitic medium green rock, and in a few locations suspect-feldspar-phenocrysts are present; some of the rock appears to be primary volcanic breccia, although it is difficult to tell because the interval is so tectonized. In one zone noted below the rock is x-cut by a high density of quartz veins which are completely brecciated, this zone is strongly silicified. The same zone has clasts which appear to have an intrusive porphyry composition with about 20% 2-3mm altered, lath shaped, feldspar pheno's. With the exception of this silicified zone, the interval has a trace of pyrite disseminated through the rock. The rock is non magnetic and reacts weakly to HCl away from the abundant calcite stringers.	CHSP	w-s			m		m	w				tr					
CA1205	TB	13.07	14.40	1.33		This zone is comprised of a breccia of volcanic rock and intrusive porphyry, where intrusive porphyry forms more distinct "clasts" as it is harder, and the volcanic component is more smeared out. The clasts are highly irregular and somewhat stretched out; their contacts are in places difficult to make out. The rock is really soupy looking. The zone has about 15% clear and purplish coarse quartz veins which are highly brecciated and discontinuous; they contain a trace of pyrite; The veins are in both the porphyry and volcanic rock, and therefore must be syn-brecciation. They have a trace of pyrite. The rock is QSP altered with more quartz than is common in the greater interval. It contains about 5% pyrite overall. The feldspar pheno's in the porphyry are completely altered to clear sericite. The porphyry clasts have an orangish hue from partial bleaching and (calcite?) alteration.																	
CA1205	TB	14.86				Good tuff-like compositional banding 15 TCA																	
CA1205	TB	15.98				Little zone with 7% 2mm feldspar pheno's																	
CA1205	**TB**	**18.90**	**21.48**	**2.58**	**Fault**	Fault Zone This interval is comprised of completely unrecognizable faulted rock, mainly buff to green hued clay, with minor fragments of silicified QSP altered rock.	CL																
CA1205	**TB**	**21.48**	**23.62**	**2.14**	**IV**	Intermediate Volcanics This interval is comprised of fragmental intermediate volcanics which in places grade into a volcanic breccia. The matrix to the fragmental rock is an aphanitic green groundmass which hosts 5% irregular feldspar pheno's and abundant indistinct to very distinct sub-angular fragments. The fragments range in size from 1mm to 5 cm and are mainly plag phyric andesites with similar composition to the matrix; in a few locations white quartz clasts, and/or salmon coloured siliceous dacite clasts are present. The interval has a trace of disseminated pyrite and is cross-cut by abundant tiny calcite stringers. It is strongly chlorite altered and has pods/stringers of chlorite replacement. The rock is non magnetic and reacts weakly to HCl away from calcite stringers.	CHP				s			w				tr					

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1205	**TB**	**23.62**	**41.78**	**18.16**	**MDP**	Monzodiorite Porphyry This interval is comprised of a moderately to strongly sericite-chlorite-carbonate-pyrite altered intrusive porphyry. The rock has 20% 1-4mm sub-euhedral hornblende phenocrysts, some of which form an irregular to perfect lath-shape and other of which are blocky or rarely completely anhedral. Feldspar phenocrysts occupy a high proportion of the rock, between 40-65% volume: they are 1-4mm long sub-euhedral and typically lath shaped. The phenocryst phases are hosted in an aphanitic groundmass which changes colour from semi-translucent gray to opaque cream coloured to orangish or greenis depending on subtle variations in the alteration. Generally the proportion of groundmass in this section is significantly less than in previous CA12 holes. Alteration is moderate to strong in this interval and consists of sericite-chlorite-pyrite-carbonate alteration of the groundmass and phenocrysts phases. Feldspar, except in one noted interval, are altered to sericite, whic is in some places translucent greenish, and in other location a cream colour; there may be a calcite component to some of the feldspar alteration. Chlorite +/- pyrite partly to completely r	CCSP	w			m		s	m		tr		1			tr		
CA1205	TB	24.31	24.84	0.53		Fine grained mafic? dike. Medium-Green gray with an aphanitic groundmass and 5% patchy 1mm euhedral feldspar pheno's and rare <1mm chlorite altered mafic pheno's. Strongly calcite-chlorite altered; cross-cut by calcite veins. No pyrite. Reacts strongly to HCl and is moderately magnetic. Contacts have minor chill margins and are about 50 TCA.																	
CA1205	TB	25.62				30 TCA 2mm wide calcite pyrite vein with 2 cm wide quartz altered selvage.																	
CA1205	TB	27.34	28.82	1.48		Really broken up limonitic rock; probably a fracture/fault zone open to the surface. Minor amounts of broken limonitic rock appear from here through the whole interval.																	
CA1205	TB	30.34	30.77	0.43		20 TCA 3-4 cm wide banded quartz-pyrite vein, with cross-cutting calcite stringers. A 4mm wide bleb of cpy is in a portion of the quartz vein - no other cpy in the vein.																	
CA1205	TB	31.24	32.02	0.78		Breccia zone with irregular slivers of differently altered porphyry juxtaposed; the most notable "clasts" are pale brownish silicified porphyry; also pale and dark green chlorite and sericite altered porphyry. Calcite veins often occupy the planes of separation between the clasts.																	
CA1205	TB	36.67	38.65	1.98		Within this zone the rock is either a) less altered and the feldspars and groundmass are better preserved; or b) the rock is weakly K altered. Within this zone little hbl is altered and the feldspars are harder and less sericite altered; in places they look pristine and are a brownish orange colour. The rock is non-magnetic, so unlike other potassic altered zones, this one lacks magnetite.																	
CA1205	TB	38.93	41.78	2.85		Approaching contact with felsic dike - increased pyrite to 2% and increased limonite on fractures.																	
CA1205	**TB**	**41.78**	**43.01**	**1.17**	**FD**	Felsic Dike Beige coloured felsic dike comprised of 5% tiny <1mm calcite amygdules in a completely aphanitic groundmass. The rock has a hint of banding with narrow <1cm bands of darker and softer (muscovite rich?) rock. The banding is parallel to the contacts 30TCA. The interval is x-cut by randomly oriented <1mm to 4mm wide white to pinkish calcite veins. The interval is cut by a few fracture zones rich in clay. It is non magnetic and reacts weakly to HCl.	CA							m									
CA1205	**TB**	**43.01**	**45.05**	**2.04**	**MDP**	Monzodiorite Porphyry This short interval is between two felsic dikes. It is comprised of moderately to strongly chlorite-sericite-carbonate-pyrite altered intrusive porphyry. The porphyry is comprised of 20-50% altered sub-euhedral lath shaped feldspar phenocrysts 1-3mm long, and 10-20% 1-3mm hornblende phenocrysts which are sometimes lath-shaped and often subhedral, in an aphanitic altered groundmass. The phenocrysts are commonly aligned in a trachytic texture but have highly variable orientations with rapid local variations. The interval is moderately to strongly chlorite-sericite altered with minor carbonate alteration. The feldspars are altered to milky or clear sericite and the hbl are sometimes altered to chlorite + pyrite. The interval has pyrite disseminated, mainly near mafic phenocrysts, and in veins: overall about 2% py. The porphyry is x-cut by 1-4mm calcite-hematite-pyrite veins +/- chlorite, and chlorite pyrite veins; fracture surfaces are often coated with a thin layer of chlorite; a late set of calcite stringers x-cut all other veins. A section of rubbly core noted	CCSP				s		m-s	w-m		tr?		2				tr	

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1205	TB	44.00	44.57	0.57		Section of really broken up core. The fracture surfaces are coated with chlorite and blotches of malachite. Close examination of the core shows a few blebs of tarnished sulfides that look like they could be cpy, but more likely pyrite. Maybe Cu is coming from the calcite-hematite veins in the interval.																	
CA1205	**TB**	**45.05**	**54.06**	**9.01**	**FD**	Felsic Dike Beige, hard, fine grained rock with variable hues from slightly greenish to slightly orangish. The rock is mainly aphanitic but with occasional tiny anhedral feldspars visible. Very weakly colour banded in a few locations. The rock has tiny little blebs of calcite which may be the result of feldspar alteration, or they might be tiny amygdules. Limonite is present in a few fractured intervals. The interval is x-cut by abundant white to pink calcite stringers and veins which are typically 45-65 TCA and range in size from sub-mm to 5mm. The rock is moderately calcite altered. No pyrite. Non magnetic and reacts moderately to HCl. The top contact is discreet and 40 TCA, Bottom contact in broken core.	CA							m							tr		
CA1205	**TB**	**54.06**	**65.43**	**11.37**	**MD**	Mafic/Intermediate Dike The top of this interval is in extremely broken-up core with clay and soil-like material on fractures; it is limonitic and related to faulting which is probably open to the surface. The upper contact with the felsic dike is sharp but some fragments of felsic dike rock are present in the core gravel; closest to the top of the interval some of the gravel is also comprised of highly altered porphyry which is x-cut by coarse pink calcite veins. The majority of gravel-sized-core is mafic dike, and by 55.19 that is the only rock type. The dike is comprised of an aphanitic greenish-gray dark groundmass with a wide variety and concentrations of phenocrysts and calcite amygdules. Phenocryst phases include white or altered plagioclase laths, pink blocky or rhombic k-feldspar? and anhedral to subhedral translucent olivine. The phenocrysts range in size from <1mm to 3mm, and different phases appear in isolation, or together with one-another. The rock also contains irregular and sometimes abundant calcite amygdules up to 5mm. Together phenocrysts and amygdules	CA							m							1		
CA1205	TB	61.50	75.19	13.69		Really big and intense fault zone which extends across several lithology intervals. The edges of the fault are comprised of gravel sized pieces of core which grade towards the center into gouge and rock fragments covered in clay, mud and granules. Some of the section looks like re-drill or sub-rounded pebbles, and there is some soil-like material between angular fragments. Really messed up zone with low recovery and 0 RQD.																	
CA1205	TB	64.62	65.43	0.81		fault material includes both mafic dike and felsite lithologies. In places it looks like the mafic material is stained a pinkish colour and looks like the felsic dike.																	
CA1205	**TB**	**65.43**	**70.85**	**5.42**	**FD**	Felsic Dike This interval is nearly completely faulted and is comprised only of gravel sized pieces, mainly with hunks of clay and silt attached; zones of solid gouge and rounded pebble shaped fragments (probably from caving) are also present. Where fragments are large enough to clearly see lithology features the rock is an orange to black rhyolite-like rock, sometimes just orange, other times mottled orange and black, and sometimes finely banded orange and black. The rock has a texture defined by attenuated calcite blebs (probably amygdules) which are just 1mm wide but up to 3mm long 5TCA; colour banding is present in a few locations and has a similar orientation 5 TCA; this long intersection may therefore be the result of sub-parallel drilling. The felsite is x-cut by calcite stringers and contains calcite amygdules and is therefore weakly calcite altered, other alteration is the result of faulting. In a few coherent pieces there are tiny soft red or black hematite veins with a trace of pyrite. The rock is non-magnetic and reacts weakly to strongly to HCl due to fine calcite stringers	CA																
CA1205	TB	65.43	55.25			Strongly faulted zone with only gravel sized pieces of core. From 65.43-55.19 there are multiple lithologies including the mafic dike, felsite, and porphyry.																	
CA1205	TB	69.40	69.80	0.40		Looks like material from a cave, probably not representative of the interval drilled.																	

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1205	**TB**	**70.85**	**88.63**	**17.78**	**MMD**	Micro Monzodiorite The top portion of this interval (up to 75.19) is still in the above described fault zone and consists mainly of gouge and gravel sized fragments of broken rock with clay and ankerite staining. The rock in this interval is moderately to strongly carbonate-sericite-chlorite-pyrite altered intrusive porphyry. The porphyry is comprised of 20-40% 1-3mm feldspar laths, and 15-20% sub-euhedral hornblende phenocrysts 1-3mm long. The feldspar are completely altered to sericite +/- calcite, and in some zones they are completely unrecognisable, but typically their beautiful lath forms are preserved. In zones with the most intense sericite-carbonate alteration hbl crystals, which also often have a lath form, are indistinguishable from the feldspar crystals, because they are also sericite +/- carbonate altered. However, where chlorite alteration is dominant hbl crystals are altered to chlorite+/-calcite+/-pyrite and stand out from the feldspars. Also within chlorite altered zones the hbl phenocrysts commonly have chlorite+calcite overgrowths which create anhedral chlorite rich	CCSP	w			m	w	s	s		tr		4-8		tr	tr		
CA1205	TB	70.85	71.60	0.75		This is the top of the above describe interval; despite being within a fault zone there is unusually coherent rock which has brecciated and healed, juxtaposing pieces of mainly porphyry with different alterations; this section is x-cut by pyrite+limonite veins and has 8% pyrite overall, it is in contact with the massive sulfide noted below																	
CA1205	TB	71.60	71.93	0.33		Massive sulfide - this interval is comprised of 95% pyrite with interstitial calcite and limonite fractures. It has a discreet upper contact 60 TCA and the bottom contact is in broken core but possibly with a very narrow felsite dike which is present in the rubbly core at that position. It's very impressive - nothing else left to say.																	
CA1205	TB	71.93	72.08	0.15		Rubble here is comprised of felsite, probably a little dike																	
CA1205	TB	75.19				End of major faulting. Still a few limonitic fractures for about 4 m but not strongly affected by faulting.																	
CA1205	TB	75.95				50 TCA 6 mm wide finely banded calcite hematite pyrite vein																	
CA1205	TB	76.49				Nicely preserved trachytic texture with 3TCA orientation																	
CA1205	TB	78.15				1.5 cm diameter pod of chlorite - possibly an altered xenolith, with a 3-4mm wide reaction rim of pyrite and calcite.																	
CA1205	TB	79.33	79.73	0.40		Zone of fracturing where rock fragments are covered with silt and clay - residual portion of fault																	
CA1205	TB	80.15				Wormy tiny 1mm calcite+hematite stringer has a speck of cpy																	
CA1205	TB	83.77	84.43	0.66		This interval has little amorphous pods of epidote - between this zone and the bottom of the main interval there is now a minor epidote constituent in the alteration																	
CA1205	TB	86.56				2 cm wide 40 TCA quartz pyrite vein - unusually thick, and unusually quartz-rich. Looks like i is partly the result of silica flooding as there are a few areas where remnant porphyry texture is visible within the vein.																	
CA1205	TB	86.61	88.63	2.02		Pyrite concentration in this interval is 7-10% - as approaching the massive sulfide zone below. The amount of disseminated pyrite is increased, and as well there are many more pyrite stringers and thicker pyrite + calcite veins.																	
CA1205	TB					30 TCA 1.5 cm wide pyrite-chlorite-calcite vein																	
CA1205	TB	88.25	88.63	0.38		Abundant pyrite, pyrite-calcite and pyrite-quartz veins in random orientation as approaching next interval (massive sulfide)																	
CA1205	**TB**	**88.63**	**90.96**	**2.33**	**MS**	Massive Sulfide This interval is comprised of a low proportion of intrusive porphyry which is x cut by thick massive and semi-massive pyrite + calcite veins. Most of the core is comprised of 95% coarse pyrite with interstitial calcite. At the beginning and end of the interval there is some semi-massive sulfide, before the most intense veining begins. The veins are somewhat irregular but appear to be at a low angle to the core axis (15 - 30 TCA). If there were any question as to what is intruding what, it is clarified by a trachytic texture in the porphyry which is 15 TCA and x-cut by the pyrite veins with no chill margin or deflection of the texture. A few coarse pink calcite pods are present within the veins. The porphyry is identical in texture to the previous interval with 40-60% altered lath-shaped phenocrysts, originally feldspar and hbl. The alteration is QSP and the porphyry itself is quite hard and does not react to HCl. Both the porphyry and the massive sulfide are non magnetic.	QSP	m					s					95					
CA1205	TB	88.63	89.00	0.37		Semi-massive sulfide as the porphyry is still a major constituent of the rock																	
CA1205	TB	90.62	90.96	0.34		Semi-massive sulfide as the porphyry is still a major constituent of the rock																	

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1205	**TB**	**90.96**	**101.19**	**10.23**	**MMD**	Micro Monzodiorite This interval is comprised of intrusive porphyry which is strongly calcite-sericite-chlorite altered. The porphyry contains up to 60% mainly lath shaped phenocrysts in an aphanitic but altered groundmass. The phenocrysts are 1-3mm long and are completely altered. In places all phenocrysts are altered to sericite +/- calcite, in other places they are al altered to chlorite +/- calcite. Hbl and feldspar phases can be distinguished in areas where the feldspar is altered to sericite and hbl to chlorite; in these areas the proportion is about 40% plag and 20% hbl. Hbl laths often cluster together forming slightly disaggregated glomerocrysts that can have chlorite + pyrite overgrowths, making an overall effect of chlorite globs. In a few locations feldspar crystals are altered to a medium brown colour reminiscent of biotite (no biotite though). A trachytic texture is present and roughly parallel to the core axis. In a few locations local and patchy QSP alteration is present (noted by hardness of roc and absence of calcite in the groundmass) and is associated with coarse pyrite +/- calcite vei	CCSP	w			m		s	s			tr	6					
CA1205	TB	90.96	92.09	1.13		This top interval is still affected by the strong QSP alteration in the above unit; it is quite hard, only reacts very weakly to HCl and contains coarse pyrite veins																	
CA1205	TB	91.37	91.60	0.23		Approximately 15 cm wide (true width) coarse pyrite vein - on the margin of the vein there is a calcite-quartz-red hematite vein, and everything is x-cut by a late white calcite vein. Vein is roughly 30 TCA																	
CA1205	TB	93.01				Zone of strongly calcite altered rock with 1.3 cm diameter hbl glomerocrysts with chlorite+calcite overgrowths.																	
CA1205	TB	96.18	96.27	0.09		Short interval of brecciated massive sulfide. 90% pyrite with irregular calcite-quartz-red hematite interstitial to the pyrite fragments.																	
CA1205	TB	96.57				1 cm wide 20 TCA wavy banded calcite-sericite-hematite-pyrite-quartz vein with a few specks of Mo in the quartz band right against the wall-rock.																	
CA1205	TB	98.09	99.16	1.07		1/2 of the core in this interval is a pod of coarse massive pyrite which runs down the core axis. Minor interstitial calcite.																	
CA1205	TB	99.44	101.19	1.75		As approaching the next interval (which is broken out because it is faulted and has variable alteration) the interval becomes slightly fractured with abundant limonite coated fracture surfaces. Also increased coarse pyrite veins.																	
CA1205	**TB**	**101.19**	**119.48**	**18.29**	**MMD**	Micro Monzodiorite (Faulted) This interval is comprised of the same intrusive porphyry as the previous interval. This section stands out because it is strongly faulted and has variable alteration. The porphyry is comprised of 40% 1-3mm feldspar laths, and 20% 1-4mm hbl laths and blocky crystals which sometimes clump together in glomerocrysts. The core is broken up into gravel sized pieces coated in clay and silt in most places. There are some sections of gouge and a few short coherent intervals. The rock is x-cut by late calcite veins, and rarer calcite +/- hematite + pyrite +/- quartz veins. Alteration is primarily phyllic with sericite, chlorite highly variable carbonate and a section with possible weak potassic alteration (noted below). The rock has 3-4% disseminated and vein related pyrite, and abundant limonite on fractures. The rock is non-magnetic and has variable reactions to HCl.	CCSP	w			m		s	m-s				3-4			1		
CA1205	TB	102.02				6 cm wide section of broken core which is disaggregated but probably previously solid coarse pyrite and limonite																	
CA1205	TB	104.30				3-4mm wide calcite pyrite vein in strongly trachytic porphyry. The calcite vein is 15 TCA and the trachytic texture is 30 TCA. Interestingly, and not previously seen, the pyrite in the calcite vein is parallel to the trachytic texture, and not to the direction of the vein - replacement of the hbl pheno's where the vein is?																	

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1205	**TB**	**119.48**	**125.29**	**5.81**	**MMD**	Micro Monzodiorite This interval is comprised of similar intrusive porphyry rock to the previous interval, but it is less affected by faulting and has a dominantly quartz-sericite-pyrite alteration regime. The rock is comprised of 40-60% lath shaped phenocrysts 1-3mm long which are tightly aligned in a trachytic texture (roughly 30 TCA but local variations are present). Previous intervals which are less altered showed that the phenocrysts are both feldspar and hornblende. Within this interval they are indistinguishable as both are wholesale replaced by clear sericite. Remnants of the overlying fault are still present in this rock, as it is quite fractured and there are many limonitic surfaces. The rock is x-cut by abundant late calcite stringers, a high proportion of coarse pyrite+calcite veins, which are essentially short intervals of massive sulfide, and rare calcite-hematite-pyrite veins, which have a distinct almost purple coloured hematite. Pyrite is very abundant in this interval, both in veins/massive sulfide, and disseminated in the rock, overall the interval has about 10%	QSP	m			w		s					10			tr		
CA1205	TB	119.57				Highly irregular, jagged probably fault offset calcite vein with distinct purplish hematite and a trace of pyrite - possible cpy?																	
CA1205	TB	121.03				Another calcite-hematite vein 20 TCA 4mm wide - very abundant hematite																	
CA1205	TB	121.89	123.60	1.71		Within this section the QSP is very strong and there are a number of coarse pyrite-calcite veins which boarder on massive sulfide. Overall the interval has 15 % py/vol.																	
CA1205	**TB**	**125.29**	**130.76**	**5.47**	**MMD**	Micro Monzodiorite This interval, like the previous, is comprised of feldspar + hbl phyric intrusive porphyry. In most places the hbl laths are 2-4mm long and altered to chlorite, they occupy 20% volume; feldspars also have a lath form and occupy 30% volume. They are completely altered to sericite. Portions of this interval (noted below) are intruded by a felsite dike, and/or strongly faulted. Alteration consists of strong chlorite-sericite-pyrite-carbonate, and in the upper portion of the hole from 125.29-127.74 (where it is intruded by a small rhyolite dike) epidote is a major constituent in the composition of the alteration assemblage. Fracture surfaces through much of the interval are limonitic. Pyrite is disseminated through the rock (about 3% volume) and present in calcite-pyrite veins (about 1% vol.) for a total of 4% volume. The rock is non magnetic and reacts moderately to strongly to HCl	CCSP				s	m	s	s				4			tr		
CA1205	TB	127.74	128.33	0.59		Orange coloured rhyolite dike that has intruded the porphyry at about 40 TCA. The dike is aphanitic with 15% tiny 1mm calcite amygdules. The rhyolite is x-cut by abundant quartz-carbonate veins in random orientation. It is non-magnetic and does not react to HCl away from veins and amygdules.																	
CA1205	TB	128.15	129.52	1.37		Zone of faulting - begins in the felsite and extends into the porphyry. The rock is really broken up with limonitic surfaces, and some locations have fault gouge.																	
CA1205	**TB**	**130.76**	**137.77**	**7.01**	**FD**	Felsic Dike Aphanitic pale-greenish-beige to orange felsite dike with a low proportion of patchy 1mm calcite amygdules. The dike is x-cut by several generations of veins including early calcite-quartz veins and chlorite veins which are cut by late calcite veins. The chlorite veins are irregular and often have brecciated fragments of felsite within - borderline black matrix breccia. The contacts of the dike are quite variable, they range from sharp to almost pepritic, where fluoidal clasts of felsite are hosted within porphyry with diffuse contacts. Very strange. There are many multiple contacts because there are sections of porphyry within the interval (noted below).	CA																
CA1205	TB	135.52	136.02	0.50		Section of pyrite rich porphyry within the felsite interval. The upper contact is sharp and about 90 TCA. The lower contact is gradational, and there are some fluoidal clasts of felsite in the middle of the section.																	
CA1205	TB	137.55	137.77	0.22		Gradational contact with underlying porphyry. Increasing amount of black material between sub-round clasts of felsite. The black material is harder than chlorite, and is probably altered porphyry.																	

Hole_ID	Geo	From m	To m	Width m	Rock Code	Description	Alteration Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1205	**TB**	**137.77**	**145.69**	**7.92**	**MMD**	Micro Monzodiorite This interval is comprised of moderately quartz-sericite-pyrite and weak carbonate-chlorite altered intrusive porphyry with frequent partial to compete textural destruction. The porphyry contains abundant (about 60% volume) lath shaped phenocrysts which are mainly altered to sericite after feldspar and chlorite after hbl - sometimes the hbl are altered to sericite+carbonate+pyrite. The rock has a medium gray semi-translucent appearance, possibly because of some quartz alteration in the groundmass. It contains a high proportion of disseminated pyrite (5% volume) which occurs in clumps and individual crystals. Pyrite also occurs in calcite veins which are relatively rare in this interval except as very abundant <1mm calcite lined fractures/stringers. Irregular chlorite "veins" are present in some portions of the core and have brecciated fragments of the wall-rock and high proportions of pyrite. A few blebs of cpy are associated with calcite veins on the margin of a tiny dike (noted below). The rock is non-magnetic and reacts weakly, or not at all, to HCl	QSP	m			m		s	m		tr		5					
CA1205	TB	138.79				40 TCA 3 cm wide band of semi-massive sulfide, quartz-pyrite.																	
CA1205	TB	139.06				Here the rock is intruded by a few little fingers of dike rock which only occupies 1/2 of the core over a few cm. The dike rock is fine glassy army green and irregular shaped.																	
CA1205	TB	139.11				Abundant calcite stringers on the margin of the dike material. They have variable orientation, with a rough 10 TCA trend. They contain a few mm sized lenses or blebs of cpy.																	
CA1205	**TB**	**145.69**	**146.79**	**1.10**	**ID**	Intermediate Dike This strongly altered, possibly inter-mineral, dike is dark green and comprised of 30% 1-4mm blocky columnar feldspar phenocrysts in a fine but phaneritic groundmass comprised of 1mm long highly altered amphibole? laths, or possibly feldspar microlites which form a felted texture. The larger feldspar pheno's are soft and altered but still semi-translucent, the tiny laths are altered to a pale green chlorite. The top contact is irregularly shaped and comprised of glassy chlorite-amygdaloidal rock. The dike is cross-cut by calcite stringers with a trace of pyrite. The rock is moderately to strongly calcite-chlorite altered, non magnetic and reacts strongly to HCl. Bottom contact is sharp against QSP altered porphyry with truncated calcite veins in the porphyry - no chill margin, so maybe fault modified?	CC				s			s				tr					
CA1205	**TB**	**146.79**	**147.59**	**0.80**	**Mixed**	Micro Monzodiorite This very short interval is comprised of two different sections: the top which is completely QSP altered MMD and partly modified by faulting, and the bottom which is comprised almost entirely of fault gouge with small pink and green clasts of gravel sized rock in a clay matrix. The QSP is some of the most silicified rock in the hole and most texture is destroyed except a hint of feldspar laths in a few locations. White and pink calcite veins x-cut the QSP and near the faulted zone they are brecciated and occur as broken chunks within the porphyry. The top contact is sharp 15 TCA, then at 147.00 there is a discrete fault gouge covered surface separating the porphyry from gouge 10 TCA. At 147.31 the gouge is truncated by a coarse feldspar phyric dike with 65% blocky and square clay/sericite altered feldspar pheno's up to 5mm in a fine phaneritic granular groundmass with unaltered <1mm biotite? crystals. Both the porphyry and fault gouge have about 5% pyrite disseminated and in clast like blebs, the dike has a trace of pyrite. The interval is non-magnetic and except the dike which has strong calcite alteration, does not react to HCl.	QSP	s			w		s	w				5					
CA1205	**TB**	**147.59**	**154.99**	**7.40**	**MDP**	Monzodiorite Porphyry This interval is comprised of mottled dark orange and dark/brownish black rock. It is intrusive porphyritic rock with K-feldspar which is either original (preserved) or plag phenocrysts altered to K-spar, and amphibole phenocrysts in an originally aphanitic but now highly altered groundmass. The feldspar pheno's are typically salmon coloured with variable hardness (depending on secondary sericite alteration); they occupy 30-50% volume of the rock and are most often blocky 3mm crystals with sub-euhedral forms, in a few locations they are lath shaped. The amphibole pheno's are typically 2-4mm long laths which are commonly the site of pyrite +/- chlorite alteration; they occupy about 20% volume. The primary alteration in the interval is weak-moderate K-spar alteration with minor late sericite alteration of feldspars and chlorite alteration of hbl. Carbonate alteration is patchy but in some places feldspar react strongly to HCl, and sometimes the groundmass is partly calcite altered. The interval is x-cut by abundant calcite stringers, and a moderate density, or in a few noted locations, high density, of calcite-pyrite stockwork which has silicified selvages. Th	KCSP		m				w	w				2-3					

Hole_ID	Geo	From	To	Width	Rock Code	Description	Alteration Code	Alteration								Mineralization							
		m	m	m				SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1205	TB	148.08				Here there are 7% volume broken and wavy pods of dark translucent quartz with traces of pyrite and dark purple hematite - probably a healed fault breccia.																	
CA1205	TB	148.44	149.10	0.66		This zone has about 10% volume dense stockwork of narrow 2-3mm calcite veins, with pyrite cores and 3mm (per side) silica altered selvages.																	
CA1205	TB	149.96	154.32	4.36		Zone of really broken up faulted rock. Minor amounts of gouge, mainly gravel sized pieces of core.																	
CA1205	TB	150.46	154.99	4.53		Epidote alteration is patchy through this section; there are minor pods of epidote present in the groundmass, possibly replacing and overgrowing hbl in places.																	
CA1205	**TB**	**154.99**	**156.57**	**1.58**	**MD**	Mafic Dike Comprised of 7% chlorite-calcite amygdules 1-3mm diameter and 3% euhedral feldspar phenocrysts completely altered to calcite, in a gray-green aphanitic groundmass. Top and bottom contacts are in broken core, and the top contact has a distinct army green altered glassy groundmass. The interval is x-cut by abundant calcite stringers and has a trace of disseminated pyrite. It is moderately chlorite-calcite altered	CC				m			m				tr					
CA1205	**TB**	**156.57**	**158.93**	**2.36**	**MDP**	Monzodiorite Porphyry Present between two mafic dikes. This section is comprised of moderately k-spar altered intrusive porphyry with 40% 2-4mm pinkish sub-euhedral blocky feldspar phenocrysts, 15% bladed to irregular anhedral 1-4mm long hbl phenocrysts in an altered aphanitic groundmass. The k-spar alteration is expressed through the preservation/alteration of the feldspar pheno's into K-spar. The hbl is often preserved or partly altered to pyrite +/- chlorite+calcite. The groundmass is weakly calcite altered. The interval is quite broken up, probably from being between the two dikes. It is cross-cut by abundant late calcite veins, and earlier composite calcite-pyrite-quartz veins, as well as calcite-hematite-pyrite veins. Pyrite is disseminated in the rock, mainly at the site of mafic pheno's, and together there is 3-5% pyrite. The rock is non-magnetic and reacts weakly to HCl away from calcite veins.	KCSP		m				w	w				3-4					
CA1205	TB	156.58				5 TCA 5mm banded calcite pyrite hematite vein																	
CA1205	TB	157.38				10 TCA 4mm wide calcite-pyrite vein with silicified margins																	
CA1205	**TB**	**158.93**	**160.73**	**1.80**	**MD**	Mafic Dike This interval is comprised mainly of mafic dikes, but there are probably more than one dike, as a short section of porphyry is present in the middle of the interval, and chill margins are present in the dike(s) around the contact with the porphyry, and at other random locations where the contact is close but not represented in core. The top contact is in broken core but other contacts are at 40-50 TCA and have chill margins with light green super fine-grained altered rock with increased chlorite vesicles. The main dike rock, away from chill margins, is comprised of 3% 1mm anhedral-subhedral mafic pheno's which are altered to chlorite and/or hematite, 3% altered 2mm euhedral feldspar phenocrysts, altered to calcite, in an aphanitic groundmass. The rock also has about 5% 1-3mm chlorite-calcite amygdules which give it a black spotty appearance. Generally the rock is moderately chlorite-calcite altered, reacts strongly to HCl and is non-magnetic. It is x-cut by calcite stringers and one thick vein (noted below).	CC				m			m									
CA1205	TB	159.53	159.66	0.13		Little section of porphyry rock between mafic dikes																	
CA1205	TB	160.63				2 cm wide 35 TCA banded calcite-chlorite vein in dike.																	
CA1205	**TB**	**160.73**	**161.95**	**1.22**	**MDP**	Monzodiorite Porphyry This interval is set within a swarm of mafic dikes. It is comprised of 40% 1-3mm sericite altered feldspar laths, 20% 1-4mm hbl laths and blocky crystals, which are altered to chlorite + pyrite, in an aphanitic and altered groundmass. The rock is x-cut by abundant calcite veins and has 4% disseminated pyrite. The bottom of the interval is a prolonged alteration/fault modified contact with the next interval (mafic dike) which has caused strong carbonate alteration; elsewhere the rock is only weakly carbonate altered, but strongly sericite + chlorite altered. Within that zone there is a coarse calcite-hematite-pyrite vein. The rock is non-magnetic and reacts weakly to HCl	CCSP				m		m	m				4					
CA1205	TB	161.68	161.96	0.28		Strongly carbonate altered zone at margin of where mafic dike just skims the edge of the core. 10 TCA																	
CA1205	TB	161.87				1 cm wide 20 TCA banded calcite-quartz-purple hematite-pyrite vein in carbonate altered porphyry.																	

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1205	**TB**	**161.95**	**167.61**	**5.66**	**MD**	Mafic Dike This interval is comprised of at least two mafic dikes with a tiny section of porphyry between them. The dikes are comprised of light green (at the chill margins) to dark gray rock with a low proportion of calcite altered feldspar phenocrysts (2-4%) that are euhedral columns and 1-2mm long. The rock also has varying proportions of calcite and/or chlorite amygdules which range from 1-3mm diameter and 0-10% volume. The dike is x-cut by abundant calcite stringers, and has just a trace of pyrite. The rock is weakly to strongly magnetic and has a weak to strong reactions to HCl - the two are inversely related to one another, with the edges of the dikes having more alteration and therefore react stronger to HCl and have less magnetism due to magnetite destruction.	CC				m			m				tr					
CA1205	**TB**	**167.61**	**172.40**	**4.79**	**MDP**	Monzodiorite Porphyry This is the beginning of a prolonged section of intrusive porphyry uninterrupted by dikes and only broken up into zones with differing alteration and mineralization characteristics. This interval has sericite-chlorite-pyrite and lesser carbonate alteration. The porphyry is comprised of 30% 1-3mm feldspar laths which are completely altered to sericite +/- calcite and sometimes chunky 1-4mm chlorite +/- calcite + pyrite altered hbl phenocrysts which have lath, column and blocky anhedral shapes. The hbl pheno's are commonly overgrown with additional chlorite +pyrite making chlorite+pyrite anhedral blobs. The groundmass, originally aphanitic, is now completely altered to sericite + chlorite + carbonate and maybe some quartz. In a few places epidote is present in the groundmass or at the site of feldspar alteration. The interval is x-cut by abundant sub-mm calcite stringers, a few of which contain blebs of cpy (noted below), rare calcite-pyrite veins, and a few composite calcite-chlorite-quartz-pyrite veins. One fracture surface has a hint of molybdenite	CCSP_WM	w			s	m	s	m		tr	tr	4-5					
CA1205	TB	169.05				small occurrence of coarse cpy in a limonitic fracture zone																	
CA1205	TB	169.53				30 TCA fracture surface has a few smears of molybdenite																	
CA1205	TB	170.13				abundant tiny randomly oriented calcite stringers have traces of cpy																	
CA1205	TB	170.91	172.40	1.49		Epidote makes an appearance in the alteration assemblage. Wholesale overprinting of the groundmass and feldspar/hbl into irregular shaped epidote pods. Still patchy though																	
CA1205	TB	172.31				Bleb of cpy in a little calcite stringer																	
CA1205	**TB**	**172.40**	**177.39**	**4.99**	**MMD**	Micro Monzodiorite This strongly altered interval of intrusive porphyry is comprised of 30-40% 1-3mm sericite altered feldspar laths, and 10-20% hbl pheno's which are also often sericite altered, but towards the bottom of the interval they are chlorite altered, and stand out distinctly from the feldspar. The rock is strongly QSP altered, except near the bottom of the interval where there is a gradational contact with K-spar + calcite + chlorite + carbonate altered rock. At the contact with the underlying alteration assemblage epidote becomes an important portion of the alteration assemblage. The rock does not react strongly to HCl except near the bottom of the interval, and it is non-magnetic. The interval is x-cut by calcite veins and stringers and abundant quartz-pyrite +/- calcite veins, which are very dense through most of the interval. Pyrite is also abundant disseminated in the rock, and towards the bottom of the interval at the site of altered mafic pheno's. Between veins and disseminated pyrite, the interval has about 10% volume pyrite.	QSP	s			w	w	s	w				10					
CA1205	TB	172.82	176.13	3.31		This section has a spectacular amount of coarse 2mm - 5 cm wide pyrite + quartz +/- calcite veins which run approximately 20 TCA. Probably 15-20% pyrite in this section.																	
CA1205	TB	176.03	176.33	0.30		Core is cut by banded calcite chlorite vein 2 cm wide with a trace of py. 0 TCA and just skims the edge of the core																	
CA1205	TB	176.13	177.39	1.26		gradational contact with underlying k-spar altered porphyry. Rock has less silica-pyrite veins more calcite and chlorite alteration.																	
CA1205	TB	177.17	177.39	0.22		Epidote partly replaces feldspars in this zone																	

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1205	**TB**	**177.39**	**186.20**	**8.81**	**MMD**	Micro Monzodiorite This interval stands out relative to the previous interval because of its distinct potassic alteration facies. The porphyry is comprised of 30-40% 1-3mm feldspar laths which are sometimes oriented in a trachytic texture. They are commonly altered to sericite, epidote or orthoclase. The hbl are sometimes unaltered but more commonly altered to pyrite + chlorite. The groundmass is often altered to k-feldspar + magnetite. The rock is weakly to strongly magnetic and has a blotchy dark orange and black appearance. It is x-cut by calcite stringers, pyrite+calcite veins - sometimes with silica selvages, and quartz-pyrite veins. The groundmass or phenocryst phases occasionally react to HCl showing a component of carbonate alteration. The top of the interval is a transitional contact, with less k spar alteration, and more sericite - chlorite - carbonate alteration - this section (noted below) is non magnetic. Pyrite is present in veins, and disseminated in the core, mainly at the site of altered mafic phenocrysts. It occupies about 4% volume. The interval is comprised mainly o	KMPSC		m-s		w	w	w	w				4					
CA1205	TB	177.39	180.03	2.64		Transitional contact where the rock has patchy K-spar alteration but also strong carbonate-chlorite-sericite alt and is non-magnetic. After this point the rock is almost always magnetic																	
CA1205	TB	181.97	182.41	0.44		This section of broken core has a 3mm wide 0 TCA pyrite quartz vein with silicified selvages running through it																	
CA1205	TB	184.72				Approximately 5 cm wide section of aphanitic magnetic mafic dike in broken core. The edges of the dike are probably 85 TCA and are coated in chlorite.																	
CA1205	**TB**	**186.20**	**188.34**	**2.14**	**MMD**	Micro Monzodiorite Within this overall large section (including above and below intervals) there are zones where the K-spar alteration is overprinted by QSP alteration; this is the largest and most intense of these, and therefore broken out as a separate unit. This zone is comprised of strongly QSP altered rock with a high proportion of pyrite. In most locations the texture is still apparent and is comprised of 60 % mainly lath shaped, sometimes aligned 1-3mm long phenocrysts in a completely altered light coloured groundmass. Both hbl and feldspar pheno's are normally altered to sericite - either clear or white varieties, and in a few locations hbl pheno's are altered to chlorite + pyrite. The interval is non-magnetic and does not react to HCl except near calcite stringers. It is c-cut by abundant pyrite veins which have subsidiary amounts of calcite or quartz. Most of the core is badly broken but the veins appear to be oriented at about 10-20 TCA. Pyrite is also strongly disseminated through the interval. Overall about 8% py/vol.	QSP	m			w		s	w				8					
CA1205	**TB**	**188.34**	**202.42**	**14.08**	**MMD**	Micro Monzodiorite This interval is comprised of K-feldspar altered intrusive porphyry with patchy partial to complete QSP overprint. The porphyry itself is comprised of 40% 1-3mm feldspar phenocrysts which are mainly lath shaped and often have consistent alignment forming a trachytic texture. The feldspars are altered either to sericite, or in places orthoclase. The porphyry also contains 20% hornblende phenocrysts which form laths, blades and irregular anhedral shapes, in some areas slightly larger, up to 6mm hbl pheno's are sparsely present. The hbl pheno's are sometimes altered to chlorite and are often partly altered to pyrite. K-feldspar alteration is present throughout the interval as conversion of feldspars to pink orthoclase, or conversion of the groundmass to pink orthoclase. The alteration is accompanied by the presence of magnetite which is common in the groundmass of the rock making it weakly to very strongly magnetic. Much of the strongly K-feldspar altered rock has a blotchy black and orange appearance with abundant magnetite in the fine grained black domains. Some of the K-spar altered areas have blotchy epidote +/- red hema	KMPSC		s		w	m	s	w		tr		4	1	tr			
CA1205	TB	188.34	188.60	0.26		A calcite-pyrite stringer extends at 0 TCA from the above QSP zone into this highly magnetic K-spar altered rock.																	
CA1205	TB	188.99				1mm wide 60 TCA calcite vein contains abundant blebs of cpy and x-cuts a quartz-calcite-pyrite vein																	
CA1205	TB	190.08				Very small and irregular calcite stringers contain blebs of cpy																	
CA1205	TB	190.41	192.60	2.19		Within this section the QSP overprint is dominant: the rock is rarely magnetic and contains abundant pyrite veins. Overall pyrite concentration is 6%/vol.																	
CA1205	TB	193.46				Good example of a quartz-pyrite vein with a halo of QSP alteration around it. Vein is only 6mm wide 30 TCA and has 1.5 cm QSP selvages on either side.																	

Hole_ID	Geo	From	To	Width	Rock Code	Description	Alteration Code	Alteration								Mineralization							
		m	m	m				SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1205	TB	194.60	197.18	2.58		This zone has a dense "stockwork" of pyrite veins with QSP selvages. The pyrite veins are often up to 1.5 cm wide and greatly increase the overall pyrite concentration in the interval to 10%/vol. The QSP overprint is not pervasive and there are many magnetic and k-spar altered pieces of core away from the vein selvages																	
CA1205	TB	197.57				Tiny specks of cpy in the matrix of the k-spar altered rock - possibly associated with a nearby calcite vein																	
CA1205	TB	197.62	197.84	0.22		Strange rounded autolith? of strongly k-spar altered rock: the whole thing is pink with barely visible ghosts of original phenocrysts. It is x-cut by chlorite-pyrite veins that are truncated at the margin of the thing; hosted in black and orange k-spar altered porphyry.																	
CA1205	TB	197.97	198.19	0.22		The rock here is cut by coarse vuggy white and pink calcite + red hematite vein. Calcite vein cuts quartz-pyrite vein.																	
CA1205	TB	198.26				Abundant cpy on a fracture surface																	
CA1205	TB	198.33				In broken core there is a fine stockwork of dark translucent quartz and purple hematite + trace py.																	
CA1205	TB	199.79				1 cm vein of mainly pyrite with a QSP overprint around it. Roughly 20 TCA																	
CA1205	**TB**	**202.42**	**209.54**	**7.12**	**MD**	Mafic Dike This section is comprised of two mafic dikes separated by a short section of fractured porphyry between them (noted below). The dikes have pale green chill margins and dark green to gray centers. They are mainly aphanitic but away from the chill margins there are areas with bands of up to 10% 1-3mm sub-euhedral feldspar phenocrysts, and up to 5% 1-4mm irregular blotchy calcite blobs which may be amygdules. The rock is x-cut by abundant calcite veins. Top contact is sharp and 50 TCA bottom contact is at a very low angle TCA. The rock is strongly magnetic and reacts vigorously to HCl.	CA							m									
CA1205	TB	204.35	205.39	1.04		Section of mixed porphyry and mafic dike. The rock here is really broken up; most of it is porphyry but there are several 10cm + areas of just mafic rock, possibly just faulted together and mixed up. The porphyry component looks like the above described interval(188.34-202.42) with a partial QSP overprint on K-spar altered rock. It has about 6% disseminated and vein related pyrite.																	
CA1205	**TB**	**209.54**	**213.83**	**4.29**	**MMD**	Micro Monzodiorite Here the intrusive porphyry is affected by QSP alteration which is clearly overprinting potassic alteration; there are many patches of rock with remnant K-spar groundmass or phenocrysts replacement, but the rock is non-magnetic (except in a few locations near the lower contact), and in many locations the QSP overprint is complete. The porphyry is comprised of 60% mainly lath shaped phenocrysts, which from previous intersections we know are about 40% feldspar, and 20% hbl; however they are mainly obliterated by alteration or represented only as sericite. The groundmass, probably originally aphanitic, is a pale cream to greenish colour, or where potassic alteration is still visible, it is a mottled orange-black and sometimes epidote green (from epidote). The rock is quite hard so there is a good component of quartz in the groundmass, and it does not react to HCl except near calcite veins, so there is little carbonate alteration. It has a high proportion of pyrite: about 5% disseminated through the QSP altered rock, or 3% in the K-spar altered rock	QSP_WM	m	w		w	w	s			tr	tr	7		tr			
CA1205	TB	211.26				A speck of Mo in a 10 TCA 3mm wide banded pyrite-quartz-calcite vein																	
CA1205	TB	212.32	212.81	0.49		A roughly 5 TCA 2.5 cm wide massive pyrite vein is x-cut by a calcite-hematite-pyrite vein which has a speck of cpy within a vug																	
CA1205	TB	213.31				Well preserved part of a quartz-hematite-pyrite vein - impressive with lots of pyrite, but only the "closure" of the vein is preserved.																	

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1205	**TB**	**213.83**	**227.30**	**13.47**	**MMD**	Micro Monzodiorite This interval is comprised of intrusive porphyry, similar to the previous interval, but with much less of a QSP overprint. Here the porphyry is predominantly K-altered but with significant amounts of epidote, and chlorite as well. Is the epidote part of a calc-potassic alteration, or retrograde? The porphyry is comprised of 40% 1-3mm lath shaped feldspar phenocrysts, and anhedral-euhedral hbl crystals which are often highly irregular jagged shapes, but which also sometimes form laths or c-axis cross-sections. Alteration is partly texturally destructive so much of the original texture is obscure. The rock generally has a mottled orange-black and green colour from k-feldspar and hematite alteration of the groundmass and feldspars, epidote alteration of the feldspar phenocrysts and occasionally the groundmass or hbl, and black chlorite+magnetite in the groundmass. In some locations epidote and hematite are dominant making the rock especially green and red. Feldspar phenocrysts are variably altered to sericite, k-feldspar, epidote. Hbl pheno's are commonly	KMEHP		m		m	m	m	w		tr		5	1	tr			
CA1205	TB	214.23				Little bit of cpy in a tiny <1mm discontinuous calcite stringer - on the edge of a discontinuous dark 3mm wide quartz vein																	
CA1205	TB	218.75				Thin Section Taken from really pink and green rock: what is the alteration here? Looks like a strong epidote alteration of the feldspar which is surrounded by a hematite? brownish orange that extends into blobs in the groundmass. How much K-spar is there in this section? The rock is magnetic: is that primary or secondary magnetite.																	
CA1205	TB	219.38				20 TCA vein plane which is actually two different veins, a quartz-hematite vein, and a calcite-pyrite vein - not sure which is first. The vein has a 2cm QSP halo on each side																	
CA1205	TB	220.07	220.25	0.18		Crushed section of core, maybe a fault																	
CA1205	TB	220.25	220.62	0.37		Section is x-cut by high density of 1-5mm wide randomly oriented pyrite veins with interstitial calcite. The whole section has a strong QSP overprint 8% pyrite overall, and is non-magnetic.																	
CA1205	TB	221.50				Bleb of cpy on the edge of a calcite stringer																	
CA1205	TB	222.85	223.23	0.38		Section of strong QSP alteration. 15% disseminated globs and stringers of pyrite. Complete overprint so no remnant K-feldspar or magnetite.																	
CA1205	TB	225.27				2mm wide 30 TCA banded quartz-hematite-pyrite vein with a few specks of cpy																	
CA1205	TB	225.95				In broken core a 2-3mm wide quartz vein has a few specks of cpy																	
CA1205	**TB**	**227.30**	**230.17**	**2.87**	**MMD**	Micro Monzodiorite Strongly QSP + calcite altered intrusive porphyry. The texture of the porphyry is mainly destroyed but in a few locations (with increased calcite alteration) the texture is somewhat preserved. It is comprised of about 30% lath shaped phenocrysts 1-3mm long, and a few longer and wider pheno's which might have once been hbl. They are aligned roughly 5 TCA and completely altered to sericite. The phenocrysts are hosted in a completely altered, probably originally aphanitic groundmass. For the most part the interval is strongly QSP altered with a variable carbonate component. The top contact is somewhat gradational and the top portion of this interval probably has some remnant k-spar alteration, but is non-magnetic. The rock is fairly hard with a semi-translucent greenish colour and a high proportion of pyrite disseminated. It is x-cut by several fracture zones with minor amounts of gouge, and rare calcite stringers and more abundant pyrite +/- calcite +/- quartz veins. In a few locations the rock is so cross-cut by pyrite veins it is essentially semi-massive sulfide. Together the pyrite content is about 8% volume. The rock reacts weakly to moderate	QSP	m					s	m				8					
CA1205	TB	228.20	228.61	0.41		Core in this interval is cut by a curving but roughly 0 TCA fracture with a 2-3mm layer of fault gouge between chunks of coherent rock; on either side the rock is broken to gravel.																	
CA1205	TB	229.15				Little patch of strongly carbonate altered rock with visible porphyry texture																	
CA1205	TB	229.97	230.17	0.20		Zone of semi-massive sulfide as a result of high density of pyrite stringers and veins																	
CA1205	**TB**	**230.17**	**232.51**	**2.34**	**MD**	Mafic Dike Medium to light army green mafic dike with 15% 1-3mm lath and 2-4mm blocky subhedral feldspar phenocrysts and a few amorphous calcite amygdules. The rock has bright pale green chill margins and is x-cut by abundant calcite stringers. It is moderately calcite +/- chlorite altered. The rock is magnetic and reacts moderately to strongly to HCl. A short section in the middle of the interval (noted below) is strongly QSP altered porphyry between dikes. Contacts are 30-40 TCA.	CA																

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1205	TB	230.62	230.80	0.18		Short section between mafic dikes of strongly QSP altered porphyry with about 10% pyrite disseminated. Contact with lower dike has abundant coarse pinkish calcite veins.																	
CA1205	**TB**	**232.51**	**250.94**	**18.43**	**MMD**	Micro Monzodiorite This interval of intrusive porphyry is comprised of strongly QSP altered rock with a high proportion of pyrite. The original texture is preserved sporadically but complete textural destruction is also common. Where the texture is preserved the rock is comprised of approximately 50% lath shaped phenocrysts aligned at 10 TCA in a trachytic texture, and in an altered blotchy groundmass. The original composition of the phenocrysts was feldspar and hbl, but both are altered to sericite in this interval. Where the original texture is destroyed the rock has a semi-translucent, or pasty white colour and is blotchy on a sub-mm scale. It has approximately 5% disseminated pyrite and abundant pyrite stringers and veins +/- calcite +/- quartz. Overall the pyrite concentration is about 8-10% volume. There are a few short sections of semi- or massive-pyrite. The interval is faulted in two areas (noted below) and intruded by very small glassy green mafic dikes (also noted below) it is cross cut by abundant calcite stringers, and a variety of pyrite +/- quartz +/- calcite stockwork	QSP	m					s	w				8-10					
CA1205	TB	232.88	233.12	0.24		Crushed core comprised mainly of semi-massive to massive pyrite in this section. Looks like the beginning of a faulted interval. Contacts of crushed and coherent rock are 60 TCA.																	
CA1205	TB	232.88	236.45	3.57		Zone of faulting with lots of broken core, some gouge and clay-like alteration. Towards the bottom of the fault zone there is a distinct 0 TCA fracture pattern with abundant clay filled fractures and alteration.																	
CA1205	TB	237.28				Little 2 cm band of glassy green mafic dike which intruded 40 TCA and caused significant calcite alteration to the surrounding porphyry.																	
CA1205	TB	238.94	239.22	0.28		Section of massive pyrite with minor interstitial calcite. Orientation lost in broken core.																	
CA1205	TB	239.78	239.98	0.20		Glassy green mafic dike intruded at 20 TCA. Tiny calcite altered feldspar 10% volume in the aphanitic green dike groundmass. Calcite altered																	
CA1205	TB	240.36	240.52	0.16		Zone with many overlapping veins, partly because of tiny mafic dike which is just down the interval (noted below). Irregular but about 1 cm wide quartz-hematite-pyrite vein is x-cut by hackly 3.5 cm thick calcite-hematite vein, which is cut by chlorite-pyrite stringers.																	
CA1205	TB	240.52	240.57	0.05		Very narrow but discrete glassy green mafic dike																	
CA1205	TB	241.30	250.94	9.64		Zone of intensely fractured rock, with some minor clay alteration/gouge coating. Crosses to the next interval and is truncated by a dike.																	
CA1205	TB	243.22	250.94	7.72		This bottom portion of the interval has a lower grade QSP alteration, bordering on sericite-carbonate-pyrite facies. There is still a high proportion of disseminated and vein related pyrite. The rock has a less semi-translucent appearance and is an opaque cream or pinkish coloured in a few places as a result of carbonate alteration of the groundmass. Overall the main alteration is still QSP.																	
CA1205	**TB**	**250.94**	**264.28**	**13.34**	**MD**	Mafic Dike This interval is comprised of dark gray/black to brown vesicular rock comprised of a magnetic aphanitic groundmass which hosts variable amounts of irregular 1-6mm calcite amydgules that occupy 0-15% volume and are occasionally attenuated/aligned. The groundmass also hosts two types of phenocrysts, fine very narrow lath shaped feldspar pheno's which are rarely more than 3mm long and <1mm wide, and anhedral-subhedral blocky feldspar pheno's which are up 2-4mm diameter; the laths alter to a tan coloured clay? and the blocky pheno's are often a drusy brown colour; together they account for 5-15% volume. Both react to HCl in some, but not all portions of the interval. The dike has a xenolith of mineralized porphyry (noted below) and is intruded by another short interval of mafic dike (noted below). the top and bottom contacts are sharp, have chill margins and are oriented 50 TCA. The interval is x-cut by a moderate abundance of 1-3mm calcite veins in random orientation.	CA							m									
CA1205	TB	254.14	254.34	0.20		Here there is an irregularly shaped xenolith/autolith with distinct margins. It stands out because it is a light brownish-red colour and strongly calcite altered. It has 40% irregular calcite stringers and blebs in a phaneritic granular brown and white sub mm groundmass.																	

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1205	TB	257.19				In this location there is an amorphous body of a different kind of rock. It's difficult to tell if it's a xenolith, alteration product or x-cutting intrusion. It has gradational boundary on some sides, and other sides are bounded by irregularly shaped calcite-hematite-chlorite veins. It is strongly calcite altered and reacts strongly to HCl; otherwise it is an indistinct light orangish colour with no distinguishing features. The veins which bound it have a trace of pyrite and a speck of cpy																	
CA1205	TB	258.12				Similar type of rock as just describe, except here it looks like an intrusion as there are tiny 1mm wide calcite-hematite-pyrite amygdules. Probably a dike oriented 30 TCA and 5 cm true width																	
CA1205	TB	259.42	259.55	0.13		Short aphanitic green dike intruding the larger interval of mafic dike. Contact 20TCA																	
CA1205	**TB**	**264.28**	**274.48**	**10.20**	**MMD**	Micro Monzodiorite This interval is between two different types of mafic dikes: it is intruded by many small lobes of dike rock and is faulted in a discreet zone near the bottom contact. It is comprised of intrusive porphyry which is variably altered, with a dominant sericite +/- quartz +/- carbonate +/- chlorite composition, such that the alteration ranges between QSP, CCSP, and CHSP. Sericite is the dominant alteration component and is pervasive through the interval; chlorite is most common in areas near contacts with mafic dikes, and in areas which have less intense QSP alteration. Carbonate alteration is patchy throughout the interval. Epidote is also an importation alteration mineral in this section and commonly replaces feldspar, or forms irregular blobs in the groundmass. The porphyry itself is comprised of 40% 2-3mm feldspar laths, and 20% hbl 2-4mm laths and irregular anhedral blocky crystals. In strongly QSP altered rock both are altered to sericite; in other locations hbl are altered to chlorite + pyrite and feldspar are altered to sericite +/- epidote +/- calcite. The groundmass is	CCSP	w			m	m	s	m				4-8					
CA1205	TB	268.36	268.82	0.46		Over this interval the porphyry is intruded by several lobes of mafic dike rock with glassy light green chill margins, an aphanitic groundmass with 5% 1mm black phenocrysts. The dike rock has a halo of increased chlorite alteration in the porphyry																	
CA1205	TB	271.09	271.42	0.33		Another section of porphyry which is irregularly intruded be multiple lobes of aphanitic green glassy dike rock.																	
CA1205	TB	271.42	274.48	3.06		Faulted section. This rock is a combination of coherent sections interspersed with sections of broken up-gravely core and sections of gouge. The lithology in this section is 90% porphyry and 10% lobes of mafic dike which have intruded the porphyry, or become juxtaposed as a result of faulting.																	
CA1205	TB	271.88	272.00	0.12		Little section of coherent core, cut by mafic dike 60 TCA. The porphyry is x-cut by about 25% pyrite veins.																	
CA1205	TB	272.25	274.03	1.78		This section is strongly chlorite altered with abundant pods and veins of chlorite and pyrite.																	
CA1205	TB	274.03	274.48	0.45		This section is at the lower contact of the porphyry interval. It is strongly altered with a light-coloured greenish to beige mottled appearance. It almost looks like altered mafic dike, but it is then intruded by mafic dike, so this is not the case. Pheno's are not apparent in the section, due to textural destruction from alteration - probably increased calcite alteration has obliterated the texture.																	
CA1205	**TB**	**274.48**	**279.59**	**5.11**	**ID**	Intermediate Dike This dike is medium green, non-magnetic and comprised of 5-10% feldspar phenocrysts 1-3mm in length which are altered and react to HCl. The feldspar pheno's are lath to blocky shaped and anhedral to euhedral, they are hosted in an aphanitic groundmass. The dike is cut by abundant calcite stringers and some thicker calcite +/- chlorite veins +/- a trace of py. It is also cut by a late pale green felsite dike (noted below). The dikes contacts with the porphyry are irregular and lobe shaped with lighter green glassy rock.	CA				w			m				tr					
CA1205	TB	277.91	278.11	0.20		Very hard light-bright green felsite dike with highly irregular and jagged margin																	
CA1205	TB	279.03	279.59	0.56		Transitional contact with underlying volcanics - here the rock types are all mixed up but indistinguishable due to alteration.																	

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1205	**TB**	**279.59**	**283.05**	**3.46**	**IV**	Intermediate Volcanics This highly altered rock is between two mafic dikes which are probably running sub-parallel to it and completely messing it up. It is comprised of greenish to orangish aphanitic rock with abundant dark chlorite +pyrite rich bands and pods. In places it has a semi-translucent appearance, possibly related to silicification? There are likely some lobes of dike rock intruding it but they are difficult to differential, even at the major top and bottom contacts, due to gradational alteration. The alteration is strong quartz-sericite-chlorite, with minor carbonate. The interval is largely comprised of very broken rock probably from fracturing between the two dikes. It is x-cut by calcite stringers, chlorite+/- calcite pyrite veins, and contains abundant disseminated pyrite. Overall the rock has 7% pyrite. It is non magnetic and reacts weakly to HCl.	QSCCP	m			s		s	w				7					
CA1205	TB	282.02	282.54	0.52		Section is mainly very broken core but comprised of semi-massive pyrite in strongly chlorite altered rock																	
CA1205	TB	282.85	283.05	0.20		At the contact with the underlying dike, the rock is opaque buff coloured and banded with bands of pyrite and different hued rock, possibly original layering? 50 TCA																	
CA1205	**TB**	**283.05**	**285.13**	**2.08**	**ID**	Intermediate Dike This dike is comprised of 5-20% feldspar phenocrysts 1-3mm long and lath to subhedral blocky shaped, in an aphanitic green groundmass. The rock is x-cut by abundant calcite stringers, and has patchy 1-3mm calcite +/- red hematite amygdules. In a few places the rock has 1mm chlorite altered mafic phenocrysts (2%/vol.). The rock is moderately calcite-chlorite altered and non-magnetic. In the center of the interval there are banded chill margins and a little bit of highly altered pyritic rock, presumably porphyry between two portions of the dike.	CC				m			m				tr					
CA1205	TB	283.68	283.88	0.20		25 TCA banded chill margins are present at the end of this interval. Higher in the interval there is broken up core of probable porphyry with 10% disseminated pyrite																	
CA1205	**TB**	**285.13**	**287.86**	**2.73**	**IV**	Intermediate Volcanic This interval is between dikes and strongly sericite-chlorite-carbonate altered - it is not mainly comprised of those minerals. It appears light pinkish in places, and light to dark green in others and has little orginal texture. Frequently pinkish coloured rock is brecciated (at least in appearance) by chlorite-pyrite veins. The interval is x-cut by late calcite veins, chlorite pyrite +/- calcite veins, and calcite-hematite-pyrite veins with a trace of cpy (noted below). Overall the interval has about 8% pyrite. It reacts moderately to HCl and is non-magnetic.	CCSP	w			s		s	m		tr		8		tr			
CA1205	TB	285.57				Coarse 40 TCA 2 cm wide calcite hematite vein with several blebs and lenses of cpy																	
CA1205	TB	286.13				Irregular clump of several different kinds of veins here. Notable that calcite-hematite veins clearly cut quartz-calcite-pyrite vein.																	
CA1205	**TB**	**287.86**	**292.26**	**4.40**	**ID**	Intermediate Dike This medium green dike is comprised of a highly variable concentration of anhedral to subhedral feldspar phenocrysts, which range from 1-4mm and 0-40% volume (average about 10% volume). It also contains 1mm mafic phenocrysts (3-4% volume) all in an aphanitic green groundmass. The feldspars are slightly greenish and usually react to HCl indicating some carbonate alteration; the mafic pheno's are partly chlorite altered. The dike is x-cut by very abundant tiny calcite stringers and less abundant thicker calcite+chlorite veins with a trace of pyrite. Contacts have broad light green glassy chill margins; the orientations of the contacts is lost in broken core. The interval reacts vigorously to HCl and is only magnetic in one location where there is the least amount of calcite veining.	CC				w			s				tr					

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1205	TB	292.26	298.03	5.77	IV	Intermediate Volcanic This interval (like the previous two non-dike interval) is comprised of fine grained, mainly aphanitic green volcanic rock, with ghosts of occasional 1-2mm feldspar or 1mm mafic phenocrysts. The rock is strongly altered in most locations with carbonate-sericite-chlorite-pyrite alteration, and often no texture at all is recognizable. In some locations subtle breccia textures are apparent, and some lenses of very-fine-grained green hyaloclastite are present, indicating the possibility that there may be some flow lobes. The rock is x-cut by abundant calcite veins and stringers, as well as quartz-pyrite +/- calcite veins sometimes with minor QSP selvages, calcite-hematite +/- quartz veins, and pods and veins of chlorite+pyrite. Overall there is a high proportion of pyrite, around 8% volume, which is disseminated, in veins, and chlorite+pyrite pods. The rock is non-magnetic and reacts moderately to HCl.	CCSP				s		s	m				8		tr			
CA1205	TB	298.03	299.43	1.40	ID	Intermediate Dike This interval is presumed to be a dike because it is very poorly mineralized relative to the surrounding volcanic rock. It is comprised of aphanitic dark to medium green volcanic rock with about 10% calcite +/- red hematite +/- pyrite amygdules and/or altered anhedral feldspar phenocrysts. The rock has irregular chill margins which form lobe-like contacts with the underlying and overlying volcanic rock. It is x-cut by abundant calcite stringers and is strongly calcite altered. It contains only a trace of pyrite and is non-magnetic.	CA				w			s				tr					
CA1205	TB	299.43	301.26	1.83	IV	Intermediate Volcanic Similar to the previous IV unit from 292.26-298.03. This short section is comprised of fine grained green volcanic rock with very few distinguishing characteristics. In places there is a hint of a breccia texture or altered phenocrysts or amygdules. The rock is x-cut by abundant calcite veins, quartz-pyrite +/- calcite, and chlorite pyrite pods and veins. The rock is moderately to strongly carbonate-sericite-chlorite altered and contains 7% pyrite. It is non-magnetic and reacts moderately to HCl	CCSP				s		s	m				7					
CA1205	TB	301.26	307.85	6.59	FPD	Crowded Feldspar Porphyry This dike is comprised of 50-80% feldspar phenocrysts, which range in size from 2mm to 2 cm. Smaller phenocrysts are more common near the edges of the interval, and larger pheno's are abundant, and clumped together, in the middle of the interval. Overall the section is quite variable in phenocrysts size and density. The feldspars are hosted in a dark aphanitic groundmass, which in the locations where there are the least amount of phenocrysts, is magnetic. Phenocrysts are sub-euhedral and often form columns squares or dipyramidal sections, They are weakly zoned with mafic inclusions. The rock also has a few rare 2-5mm irregular calcite amygdules. Calcite veins cross-cut the rock and there is a trace of disseminated pyrite. The rock reacts strongly to HCl as a result of feldspar alteration. Top contact is irregular and difficult to put your finger on - there is some chilled-looking greenish rock though. Bottom contact lost in broken core - also some chilled rock.	CA							s				tr					
CA1205	TB	307.85	311.06	3.21	IV	Intermediate Volcanic Rock This interval is comprised of fractured green volcanic rock which is moderately quartz-sericite-carbonate-chlorite altered. As with previous IV intervals, this one has a hint of altered phenocrysts, glassy lobes/chill margins, and breccia texture, but it is especially obscure because of the fractured nature of the rock, as well as the alteration. In a few places clear sericite has replaced 10%/vol. 1-2mm irregular feldspar phenocrysts. The interval is x-cut by narrow calcite veins, and a low-moderate density of pyrite+/- calcite stringers. It has abundant disseminated pyrite, especially in chlorite rich domains. At the end of the interval - 310.29-211.06 fractured rock has hematite stained clay or mud on many of the broken fragments. The interval has 6% vein and disseminated pyrite. It is non-magnetic and reacts weakly to HCl	CCSP	w			m		m	w									

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1205	**TB**	**311.06**	**316.08**	**5.02**	**FPD**	Crowded Feldspar Porphyry This dike is comprised of a wide variety and size of feldspar phenocrysts, which are commonly packed together in an aphanitic dark gray groundmass. The feldspar pheno's range in size from 1mm - 2 cm in length and are typically sub-euhedral. They have all different shapes including square and dipyramidal cross-sections. They are altered to a very pale greenish colour, and many of them react to HCl showing calcite alteration, The largest feldspar pheno's show zoning which is most apparent as a result of rings of tiny biotite inclusions. In places the dike also contains up to 8% biotite phenocrysts which are anhedral to euhedral and 2-5mm. The dike is x-cut by abundant calcite veins and stringers which are randomly oriented. An interesting section of the dike (noted below) has amorphous pods of k-feldspar-biotite and magnetite... The interval has a trace of disseminated pyrite, reacts to HCl moderately and is non- to moderately magnetic. Top and bottom contacts have irregular glassy chill margins	CA		?					s				tr	tr				
CA1205	TB	312.37	313.13	0.76		Within this portion of the dike there are wormy shaped 2-4mm wide up to 2 cm long pods of k feldspar + biotite + magnetite. Some strange kind of incipient? Potassic alteration.																	
CA1205	TB	314.65				2 cm wide 60 TCA composite calcite quartz epidote vein cuts the dike																	
CA1205	**TB**	**316.08**	**321.95**	**5.87**	**IV**	Intermediate Volcanic Rock This interval is comprised of light to medium green aphanitic volcanic rock. It is strongly chlorite altered with minor carbonate. The rock has very little distinguishing texture. Near the top there is some subtle compositional layering with colour banding on a 1-3 cm scale 30TCA. A few percent (2-3) biotite phenocrysts are visible on occasional pieces of core, indicating some heterogeneity to the volcanics. The core is mainly really broken up into small pieces, and there is some fault gouge near the bottom of the interval. Calcite veins and chlorite + pyrite +/- calcite veins are abundant. The interval contains 5% disseminated pyrite, and pyrite in association with chlorite in veins and areas of chlorite flooding. The rock is non-magnetic and reacts weakly to HCl.	CC				s			w				5					
CA1205	**TB**	**321.95**	**337.41**	**15.46**	**FPD**	Crowded Feldspar Porphyry This dike is comprised of 70-90% 2mm-2cm sub-euhedral feldspar phenocrysts in a dark, biotite rich groundmass, as well as minor amounts (5% max) biotite phenocrysts which range from 1-4mm. The dike has less and smaller phenocrysts on its upper margin, and is packed with larger phenocrysts farther into the section. It is x-cut by abundant calcite veins which often have a thin band of chlorite right against the wallrock; as well as banded calcite-quartz-epidote veins. The interval is weakly chlorite altered, moderately calcite altered and contains a trace of pyrite.	CA				w			m				tr					
CA1205	TB	337.41	337.41			EOH 337.41 m																	
CA1206	TB	0.00	6.58	6.58		Casing Recovery of muddy sediments and rare broken shards of porphyry.																	
CA1206	**TB**	**6.58**	**16.18**	**9.60**	**MMD**	Micro Monzodiorite This interval is comprised of intrusive porphryry which contains 20-30% 1-3mm feldpsar laths and 5-10% lath shapped and irregular 1-3mm hornblende phenocrysts, in an orginally aphanitic, but now completely alterd groundmass. In most locations the phenocrysts are alligned forming a trachytic texture 20-30 TCA. Occasional breccias with sub-rounded to sub-angular fragmetns are present: they have variably alterd and mineralized porphyry clasts in a porphyry matrix. The rock has a highly variable phyllic alteration, with varying intensities of sericite-chlorite-quartz-carbonate with assocaited hemitite and pyrite. Based on which alteration is dominant the rock can range from homogenious creamy white, to spotty or blotchy dark to light green, or blackish. Some domains have abundant hemitite staining, or disseminated in the groundmass or at the site of mafic phenocrysts alteration, giving the rock a redish colour. Most commonly feldspar phenocrysts are completely altered to a clear to milky white sericite, hbl phenos are altered to	CCSP	w			m		s	w				3-7	tr	1			
CA1206	TB	6.81	6.95	0.14		40 TCA mafic dike with 10% irregular pinkish calcite amydgules.																	
CA1206	TB	7.12	7.55	0.43		QSP altered zone with 30% subangular fragmens to chlorite+pyrite altered rock. This is a hydrothermal breccia?																	
CA1206	TB	8.60	9.10	0.50		Strong hematite alteration in this zone. 1/2 of the rock is orange or red as a result of disseminated hemitite and heatite staining.																	
CA1206	TB	10.18	10.29	0.11		Several parallel pyrite veins and stringers, the largest of which is 1.5 cm wide, occupy 50% volume of the rock here. 10 TCA																	

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1206	TB	11.81				60 TCA 2 cm wide glassy mafic dike																	
CA1206	TB	11.83	12.50	0.67		10% pyrite in this interval, mainly in irregular veins and pyrite+chlorite pods. Rock is strongly chlorite+sericite altered.																	
CA1206	TB	12.64				Another 2 cm wide 40 TCA glassy mafic dike																	
CA1206	TB	12.73	12.98	0.25		Faulted zone with discrete 25 TCA upper and lower surfaces. Contains broken-up calcite-seritei clots and veins.																	
CA1206	TB	13.61	13.87	0.26		Within this zone there is an intrusive breccia with sub-rounded fragments of variably coloured/altered porhyry within a porphyry matrix. Some fragments are semi-massive quartz from QSP alteration.																	
CA1206	TB	14.79	15.55	0.76		This section is less altered, has wider feldpsar laths (up to 2 mm wide, and is magnetic. Still hematite stained.																	
CA1206	**TB**	**16.18**	**20.12**	**3.94**	**MD**	Mafic Dike Comprised of variable amounts (0-15%) 1-3mm blocky subhedral feldspar phenocrysts and 5-25% 1-4mm calcite amydgules in an aphanitic dark gray groundmass. The interval is x-cut by abundant narrow calcite veins and limonitic fractures. The beginning of the itnerval is intruded by a 54 cm wide rhyolite dike described below. The mafic dike is moderately magnetic and weakly reacts to HCl away from veins and amydgules.	CA							w-m									
CA1206	TB	16.27	16.81	0.54		Felsic Dike This interval is comprised of an aphanitic drusy brown felsite dike, with 5% anhedral amorphous possible feldspar phenocrysts which are calcite altered, and tiny calcite amydgules <1mm. The felsic dike is contained within the previous itnerval, which it intrudes. The top contact is sharp but irregular, almost cuspate, the bottom contact is sharp and 20 TCA. The felsic dikes is x-cut by calcite stringers and veins. It is non magnetic and reacts weakly to HCl.	CA							w									
CA1206	**TB**	**20.12**	**26.21**	**6.09**	**MMD**	Micro Monzodiorite This interval is comprised of 30% 1-3mm feldspar laths and 15% 1-3mm hornblende laths and an-subhedral blocky crystals in an aphanitic and variably altered groundmass. The porhyry is variably carbonate-sericite-chlorite pyrite altered with stronger carbonate alteration than the previous MMD interval. THe rock is soft and reacts moderaetly-strongly to HCl except in a few locations with QSP overprint. Most feldspar are altered to sericite, and hbl are altered to either sericite or chlorite+pyrite. Calcite has a component in many of the phnocrysts alteration assemblages as well. The rock is x-cut by late calcite veins and stringers, banded hemitite calcite veins and pyrite-quartz+/-calcite stringers (which are cut by the calcite hematite veins). Pyrite is diseminated in the porhyry and present in veins and stringers for a total propotion of 4% volume, except in a few QSP zones with up to 6%/vol. The interval is cut by faulting sub-parallel TCA.	CCSP	w			m		s	s				4		tr			
CA1206	TB	20.49				1.5 cm wide 60 TCA coarse red hematite calcite vein with a trace of py																	
CA1206	TB	21.74	23.30	1.56		Faulted zone. Begins with strong brecciated calcite beinging, then an approximately 0 TCA fracture with gouge which runs most of the length of the section.																	
CA1206	TB	25.32	26.21	0.89		QSP overprint of the CCSP rock. Here 6% pyrite disseminated and in pyrite veins; no reaction to HCl.																	
CA1206	**TB**	**26.21**	**37.46**	**11.25**	**MDP**	Mozodiorite Porphyry This interval has a potassic component, probably alteration, which in a patchy fassion overprinted by moderate QSP alteration. The rock is intrusive porhyry with a slightly coarser grainsize than the MMD, although it is probably just a textural variation and not a seperate phase of the intrusion. The porphyry is comprised of 40% sub-euhedral mainly blocky feldspar columns and c-axis cross-sections; they are typically 1-3mm long and 1-2mm wide; rarely the feldspar forms are dominatly lath shapped with a hint of trachytic texture. Hornblende phenocrysts range from subhedral blocky crystals to up to 5mm long laths, and occupy 12% volume. Alteration in the itnerval is patchy, and it seems that there is a somewhat pervasive k-feldspar component which has altered most of the feldspar to pink orthoclase, hoever this is overptinted by sericite+/-quartz alteration in places, which has then altered the feldspars to white or clear sericite. Where K-spar is the most apparent the rock has a blotchy black and pink appearence from the contrast between unalterd hbl, magneite rich groundmass and pink feldspar, elsewhere it has a greenish sometimes semi-translucent	KMP		m		w		m	m				4	tr	tr			
CA1206	TB	29.54	29.93	0.39		Really strongly carbonate sericite chlorite altered rock with no visible phenocrysts and strong calcite-chlorite-hemitite veining and associated pyrite.																	

Hole_ID	Geo	From	To	Width	Rock Code	Description	Alteration Code	Alteration SIL	OR	BI	CH	EP	SER	CAL	Other	Mineralization CP	MO	MS	MT	HT	LIM	MAL	Other
		m	m	m																			
CA1206	TB	32.87	33.71	0.84		Roughly 0 TCA 1 cm wide banded quarz-pyrite-calcite-hematite vein with a narrow 2mm quartz selvage and then an outter 1-2mm K-spar selvage																	
CA1206	TB	35.87	36.13	0.26		Several .5cm and smaller calcite-pyrite stringers with a strong QSP overprint halo surrounding them. 15 TCA																	
CA1206	**TB**	**37.46**	**38.88**	**1.42**	**MD**	Mafic Dike This dike is comprised of a barely phaneritic (with a handlens) salt and pepper textured goundmass that hosts 2-3% 1-3mm elongare calcite amydgules. The rock is strongly magnetic and reacts strongly to HCl. Top and bottom contacts are 45 TCA	CA							m									
CA1206	**TB**	**38.88**	**61.29**	**22.41**	**MDP**	Monzodiorite Porphyry This interval is comprised of weakly K-spar altered, strongly cacite altered rock with occasional patches with weak sericite or chlorite alteration. It is a pesudo-potassic rock as a result of brown-ish red limonitic alteration of the gruondmass and sometimes phenocrysts, which give the rock a pinkish and black apprearence similar to proper potassic alterd rock. Hemitite, which is locally abundant but patchy also give the rock a pinkish and black appearence, and primary magneitite in the least alterd rock adds to the confusion. However, this interval may indeed have some true potassic alteration as some of the feldspar are pink and hard, and there appear to be k-feldspar selvages around some quartz-pyrite-calcite veins. The rock is comprised of 40% blocky columinar or irregular 2-4mm feldspar phenocrysts and 20% 1-5mm long hbl laths or anhedral angular hbl, in an orginally aphanitic groundmass, now mainly altered to carbonate +/- K-feldspar. The feldspa phenocrysts are often altered to epidote, or partly to carbonate, and some are actually pristine orginal white feldspar. Hbl are seomtimes altered to chlorite +pyrite, or just pyrite, an	CA		w		w	w		m				tr-2	tr	tr	5		
CA1206	TB	40.54	40.60	0.06		Narrow discreet zone 50 TCA of muddy limonitic fault gouge																	
CA1206	TB	41.98				Little zone of broken rock with highly irregular jagged pods of calite with a trace of cpy. Possible true k-spar alteration here.																	
CA1206	TB	42.92				60 TCA 3 cm wide zone of highly sericite altered porhyry with sharp discrete margins - seams of pyrite are within the altered band.																	
CA1206	TB	43.41				7 cm wide (true width) band of quartz-pyrite (semi-massive) with two little pods of parallel calcite-hemitite that have a trace of cpy																	
CA1206	TB	44.17				Here there are a few slightly brecciated 3mm banded calcite-purple hematite pyrite veins. Roughly 0 TCA																	
CA1206	TB	48.48	49.09	0.61		Within this zone there are two autoliths with somewhat distinct boundaries - they are similar porphry as the host rock but are finer grained (1-2 mm phenocrysts size max). They occupy about 50% of zone.																	
CA1206	TB	56.41				30 TCA 2-3 mm calcite-hematite vein with a few disconceted tiny lenses of cpy in the center of the vein.																	
CA1206	TB	58.95	59.22	0.27		Within this short area the rock is 25% pyrite from intense and randomly oriented pyrite-calcite veins. Appears to be surrounded by a genuine K-feldspar alteration.																	
CA1206	**TB**	**61.29**	**64.03**	**2.74**	**MD**	Mafic Dike Comprised of 10% 1-6mm white and pink calcite filled amydgules and 20% 1-2mm lath and rectangular shapped feldspar phenocrysts in an aphantic dark green/gray groundmass. The dike is x-cut by abundant calcite veins. It reacts strongly to HCl and is moderately magnetic. Top contact is 15 TCA, bottom is almost 90 TCA	CA						m										
CA1206	**TB**	**64.03**	**64.67**	**0.64**	**Fault**	Fault Breccia This section is between the mafic dike and a discreete fault plane. It is comprised of clasts of variably altered porhyry (mainly pink magnetic clasts, but also QSP and CCSP altered) and pale green fine grained mafic volcanic clasts. The clasts range in size from 3mm to 3.5 cm and are sub-angular. They are healed in a white calcite matrix. Surpisingly the top of theinterval, agains the mafic volcanic, has the most and largest porphyry clasts, and the bottom contact, against the porphyry has the most volcanic clasts. Bottom contact - discrete fault gouge (muddly dark gray) 50 TCA	CA		w					s				tr					

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1206	**TB**	**64.67**	**77.13**	**12.46**	**MDP**	Monzodiorite Porphyry This interval is comprised of weakly to moderately K-spar altered intrusive porhyry with a weak to moderate sericite-pyrite overprint. The porhyry is comprised of 40% 1-3mm somewhat chunky fledspar laths and 20% 205mm hbl laths and an-subhedral blocky phenocrysts, in an orginally aphanitic, but now alterd groundamass. The inteval is typically moderately K-feldspar altered pink-hard feldspar phenocrysts, and a dark black magnetite rich groundmass. In places the feldspar are further altered to greenish sericite or white clay, and there is a weak to moderate sericite-pyrite overprint on some of the interval. In a few location epidote is present in the grunmass or partly replacing feldspars. Chlorite and carbonate are imporant part of the rocks alteration as well; many of the hbl phenocrysts are altered to chlorite and chlorite and/or calcite cover many fracture surfaces. THe rock is x cut by pyrite-calcite veins (especially in QSP zones), calcite-hematite-pyrite veins, late calcite veins and stringers, and a set of calcite +/- chlorite +/- magnetite veins which commonly have	KMP_WM	w	m		m		m	m		tr		2-4					
CA1206	TB	66.31	67.85	1.54		This section has patchy but intense sericite-pyrite altertion. K-fedlspar alteration is still visible in windows through the sericite-pyrite. Much of the core is broken but it probably has about 20% pyrite, inlcuding a section of core from 67.11-67.85 where 1/2 of the core is semi-massive pyrite.																	
CA1206	TB	68.88				First occurrence of tiny speck of cpy in an irregular <1mm calcite stringer																	
CA1206	TB	70.36				2 cm wide 40 TCA mashed up fault zone																	
CA1206	TB	70.71				40 TCA 2mm wide k-spar magneite stringer																	
CA1206	TB	71.50	75.12	3.62		Within this section the rock is strongly magnetic and has good preserved potassic alteration. It also has a fine stockwork of <1mm-3mm wide calcite +/- chlorite +/- magnetite veins that have blebs and little lenses of cpy. This interval may run 0.1% Cu. The stockwork is compeltely random oriented and mutually cross-cutting. At the top of the interval, there is one quartz-cpy vein 30 TCA which is parallel to a calcite-pyrite vein right beside it.																	
CA1206	TB	76.58	77.13	0.55		Fault zone with irregular healed breccia and portions of granular gouge.																	
CA1206	**TB**	**77.13**	**94.23**	**17.10**	**MDP**	Monzodiorite Porphyry This interval is variably altered. From the top to the bottom is has progressively less orginal potassic alteration; it is variably overpinted by sericite-carbonate +/ chlorite alteration, and in a few places it has QSP alteration overprinting the potassic alteration. It is comprised of intrusive porphyry with 40% 1-3mm long mainly lath columnar feldspars which are roughly alligned in a trachytic texture at 0 TCA; the felspars here are thicker (about 1.5mm) than typical MMD feldspars. 20% 1-4mm hbl phenocrysts are also mainly lath or blade shapped and a few have irregular anhedral blocky or jagged shapes; they are also alligned in the trachytic texture. The feldspars are typically altered to either sericite or K-feldspar. Hbl crystals are often preserved or altered to chlorite + pyrite or rarely to sericite. Much of the rock has a blotchy pink and black appearence where there is remant K-spar alteration, from pink orthoclase and black magnetite in the groundmass. Where the rock is overpinted by sericite-carbonate the rock has a greener appearance from sericite	CCSP_WM	w	w		m		s	s				2-3	1	tr			
CA1206	TB	77.13	79.65	2.52		This inteerval is x-cut by a higer density of chlorite-calcite-pyrite and calcite-pyrite veins then the larger unit. Contains 6% Py. Minor QSP halo around some of the veins but mainly potassic alteration.																	
CA1206	TB	82.49	83.02	0.53		This short interval has a high concentration of disseminated blebs and aggregrates of pyrite 8%/vol																	
CA1206	TB	86.15	87.10	0.95		The center of this interval is strongly QSP altered and contains several 20-30 TCA .5 cm wide pyrite-calcite veins with a broad QSP halo including disseminated pyrite. This interval has 8% pyrite																	
CA1206	TB	89.34	90.11	0.77		Partial QSP overprint with 6% pyrite																	
CA1206	TB	92.57	94.23	1.66		Epidote is present in the alteration of felspar phenocrysts and groundmass in this interval.																	

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1206	**TB**	**94.23**	**98.81**	**4.58**	**MMD**	Micro Monzodiorite This interval is comprised of moderately to strongly QSP altered micro monzodiorite. The porphyry is comprised of 40-60% lath shapped phenocrysts in an altered and orginally aphanitic groundmass. The phenocrysts are 20-40% feldspar and 10-20% hbl, but the feldspar are completely altered to sericite, and where QSP is the strongest (the top half of the itnerval) hbl pheno's are also altered to sericite. At the bottom of the itnerval hbl phenocrysts are partly preserved and are partly altered to pyrite. The rock has a light semi-tanslucent grayish colour at the top where QSP is the strongest, and grades into a greener rock at the bottom where QSP is moderate. The interval is x-cut by abundant calcite-pyrite +/ quartz, and also has calcite-hematite +/- pyrite and calcite stringers, which at the bottom of the interval have a trace of cpy. At the top of the interval there is a section (noted below) of semi massive pyrite, and pyrite concentration decreases down the interval. Away from the semi-massive sulfide zone there is 7%disseminated and vein related pyrite. The itnerval is n	QSP_WM	m					s			tr		7		tr			
CA1206	TB	94.23	95.23	1.00		Semi massive pyrite in this interval as a result of super high denisty of pyrite-calcite +/- quartz veins and disseminated pyrite																	
CA1206	TB	97.83				Little speck of cpy in a calcite stringer here																	
CA1206	TB	98.40				25 TCA calcite vein with a bleb of cpy is cutting pyrite-calcite QSP style stringer (35 TCA)																	
CA1206	**TB**	**98.81**	**119.13**	**20.32**	**MDP**	Monzodiorite Porphyry This interval is comprised of weak to moderately Ca-K alterered intrusive porphyry with minor zones of QSP overprint. The porhyry is comprised of 30-40% columnar and lath shaped felspar phenocrysts 2-4mm long, and 20% 2-5mm long, mainly lath shapped hbl phenocrysts, in an aphanitic black to orange coloured groundmass. Hbl phenocrsyts are mainly unaltered except for including pyrite and hosting irregular pyrite overgrowths. Feldspar phenocrysts are variably altered to pinkish orthoclase, greenish sericite or pale white somewhat hard calcite +/- albite? The goundmass of the rock is often brown/orange or black, and usually strongly magnetic; it is likely altered to k-feldspar + magnetite in many places. Patchy epidote is present in the groundmass or as partial replacement of feldspar or hbl. A moderate-strong magnitism and moderate to strong reaction to HCl are characterisitic of this interval. In places there are dark-black magneite seams/veins which run through the groundmass and sometimes include fragements of pehnocrysts. The rock is x-cut by pyrite-calcite veins, which have a distinct QSP halo, and a	KCAP_WM		m		w	m	m	m		tr		2-5	1	tr			
CA1206	TB	99.03				Several parallel 20 TCA 2-5mm wide calcite veins with a trace of cpy, cut calcite-pyrite veins																	
CA1206	TB	101.88				15 TCA 3-4mm wide calcite-pyrite vein with a broad QSP halo																	
CA1206	TB	103.05				Little speck of cpy in an 80 TCA calcite stringer																	
CA1206	TB	108.01				70 TCA 1-2mm wide calcite-chlorite vein with a trace of cpy																	
CA1206	TB	108.41	108.67	0.26		Calcite healed fault breccia with many angular fragments of porphyry in a white calcite matrix																	
CA1206	TB	108.76				Bleb of cpy in a an irregular 1mm wide calcite stringer																	
CA1206	TB	109.69				Irregular roughly 30 TCA magnetite seam (8mm wide) in epidote-kspar porphyry, cut by latere calcite vein. Lots of magnetite generally in this area.																	
CA1206	TB	115.18				Coarse banded calcite-pyrite veins with broad QSP halo																	
CA1206	TB	117.65	119.13	1.48		This zone is an ablolute melange of alteration, it has remanant potassice, lots of QSP calcite-pyrite veins with QSP selvages, strong carbonate-chlorite and sericite away from QSP.																	

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1206	**TB**	**119.13**	**136.42**	**17.29**	**MDP**	Monzodiorite Porphyry Comprised of 40-50% 2-3mm long feldspar laths and columns and 20% 2-4MM hbl laths, in an aphanitic glassy groundmass. The phenocryts are often alligned at 0-10 TCA in a trachytic texture. Alteration of the interval is complex and multi-generational. The basic or first generation alteration is cal-potassic where the goundmass of the porphyry became altered to k-feldspar and magneite giving it a browish and sometimes orange colour, and the feldspar because calcite +/- albite, with a distinct white colour against the brown groundmass; in a few locations the felspars are altered to pink orthoclase. epidote is often present in the groundmass or from alteration of phenocrysts phases. This alteration occupies about 1/2 of the rock in the itnerval, the remaing rock is predominatly sericite-chlorite +/- calcite altered: this alteration give the groundmass a homgenious or mottled pale to dark green or rarely pale cream or orange colour; it hosts feldspars which are wholesale replaced by sericite and hornblende which are replaced wither by sericite or by pyrite and	KCAP_WM	w	m		m	m	m	s		tr		4	tr	tr			
CA1206	TB	121.09	121.28	0.19		3 cm wide composite pyrite-calcite-quartz-hematite vein 20 TCA with broad sericite +/- quartz halo																	
CA1206	TB	123.09				50 TCA 2 cm thick vuggy calcite-quartz-hematite vein has several blebs of cpy																	
CA1206	TB	125.88	127.79	1.91		Section with several pyrite-calcite veins which run sub parallel TCA and therecore cause an extended section with variable QSP alteration - 6% Py																	
CA1206	TB	127.79	128.87	1.08		Zone with strong sericite-chlorite-carbonate overprint and locats of carbonate +/- hematite veins.																	
CA1206	TB	128.29				1.5 cm wide 50 TCA calite-hematite vein with belbs of cpy																	
CA1206	TB	129.17				Here there are a whole bunch or irregular, joining and splitting calcite-hemaite veins with a good amount of cpy throughout them. Together they occupy about 15% volume of the core.																	
CA1206	TB	129.69				Several randomly orented calite-hematite veins with a trace of cpy.																	
CA1206	TB	130.53	131.02	0.49		Strong chlorite alteration, here there are dense chlorite+pyrite veins and pyrite+chlorite alteration of hbl phenocrysts - 10% py.																	
CA1206	TB	134.51				Little calcite pod with a bleb of cpy - first calcite without hematite to contain cpy in this interval.																	
CA1206	**TB**	**136.42**	**143.83**	**7.41**	**MMD**	Micro Monzodiorite This interval is comprised of 50-60% 2-3mm feldpar laths and 10-15% 1mm tiny hbl and 1-3mm hbl shapped laths; both feldspar and hbl are alligned in a trachytic texture which is roughly 0 TCA. They are hosted in an alterd aphanitic groundmass. The rock is strongly sericite altered with moderate patchy chlorite and less common calcite alteration. The feldspar pheno's are altered to sericite, and hbl is usually altered to chlorite and pyrite, or rarely to sericite. Unlike the previous intervals it is non-magnetic and in many locations it does not react to HCl. The rock is x-cut by especially abundant calcite veins, some of which are several cm whtich, or which form large (noted below) calcite breccias; in places the calcite contains blebs of cpy. The interval also contains calcite-pyrite veins, which are cut by the previous mentioned veins, and which are responsible for minor QSP overprinting, and chlorite-pyrite veins. Near the beginning of the interval there is a brittle-ductile shear which contains some cpy in deformed calcite pods. The itnerval contains about	SCPY_WM				m		s	w		tr		5		tr			
CA1206	TB	137.34	138.50	1.16		This interval is strongly faulted with coherent core juxtaposed against gouge + parallel pods of calcite, and differently altered etc pieces of porphry juxtaposed. General fabric is very consistent 40 TCA. A pods of calcite+pyrite and coarse cpy is present in one portion of the fault (138.08).																	
CA1206	TB	140.41	140.50	0.09		Very coarse pinkish-cite calcite vein 50 TCA																	
CA1206	TB	141.16	142.50	1.34		Within this zone there is approximately 35% caorse whtie to pink calcite with a trace of cpy. I has intruded and altered the porphyry as veins and is represented over much of the itnerval as a vein breccia with abundant irregular but rounded clasts of the porhyry included within the calcite. Very interesting texture - why are the clasts so smooth (non-spheroidal but smooth edges). The porphyry in this interval is calcite altered with a homgenious white to pinkish goroundmass/feldspar phenos which stand out in stark contrast to the black hfl phenocrysts. The calcite vein/breccia cuts pyrite veins and QSP represented "behind" it.																	
CA1206	TB	142.50	143.83	1.33		Weak QSP overprint. This section contains abundant irregular pyrite stringers etc and disseminated pyrite (8%)																	

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1206	**TB**	**143.83**	**160.58**	**16.75**	**MMD**	Micro Monzodiorite This interval is comprised of rock that looks either like the micro-monzodiorite, or the monzodiorite porhyry, depending on the alteration - I suspect they are the same rock and just look different depending on the alteration facies. In this interval the porphyry is comprised of 30-40% feldspar laths, and other feldspar euhedral cross-section 1-3mm long and 15% hbl laths 1-4mm long, in an aphanitic groundmass. In places the rock has a distinct allignment of laths roughly 0 TCA and elsewhere they are randomly oriented. The rock is variably altered. As with some previous interval, the primary alteration is represented by brownish rock with white feldspar phenocrysts, and unaltered or weakly chlorite-pyrite altered hbl. This rock has a brown glassy matrix, probably with k-feldspar and magnetite (because it is hard and magnetic), and calcite +/- albite altered feldspar pheno's which are moderately soft and react mildly to HCl. Overprinting this alteration is variably sericite-chlorite-carbonate alteration + minor silicification in a few localized zones; a few QSP																	
CA1206	TB	148.10				Coarse 2 cm wide 15 TCA calcite + hematite vein x-cuts earlier pyrite-calcite vein with QSP halo																	
CA1206	TB	150.01				50 TCA 1mm wide hematite stringer rich in cpy																	
CA1206	TB	151.58	151.94	0.36		Little fracture zone, minor fault related clay alteration.																	
CA1206	TB	151.94	160.58	8.64		Decrease in amount of least altered rock - from about 50% to 10% in this interval.																	
CA1206	TB	153.57				40 TCA quartz vein 3mm wide with no QSP halo has a speck of cpy																	
CA1206	TB	154.10				:Little section of fault gouge, at high angle to core																	
CA1206	TB	154.43				70 TCA 2.5 cm wide milky white quartz vein with minor carbonate.																	
CA1206	TB	155.45	155.57	0.12		50 TCA 12 cm wide composite vein comprised of 7 cm milky blotchy quartz which seems more flooding than vein because there is a ghost of a hematite vein at a different orientation in the quartz, and a 5 cm wide orange coarse calcite vein.																	
CA1206	TB	155.87	156.46	0.59		Interval of intense quartz flooding - lots of thick quartz veins and little wormy irregular stringers																	
CA1206	TB	157.32				50 TCA 3mm calcite hematite vein with cpy.																	
CA1206	TB	157.43				30 TCA 2mm wide calcite vein with pods of translucent green gypsum in the middle																	
CA1206	TB	159.96				a narrow band cpy is present in a discontinuiosu 2mm wide pod of quartz approximately 90 TCA																	
CA1206	TB	160.02				70 TCA composite vein - 1/2 pyrite+quartz, the other half is broken fragments of chlorite + calcite in quartz - 3 cm wide with QSP halo. X-cut by calite-hematite vein.																	
CA1206	**TB**	**160.58**	**167.94**	**7.36**	**MD**	Mafic Dike This is probably a composite dike with multipul pulses because within the itnerval there are several distinct chill margins seperating dike material with slightly different colours and characteristics. The rock is dark-brown to greenish and aphanitic with rare 1-3mm blocky calcite altered feldspar phenocrysts and patchy up to 10% 1-4mm diameter calcite amydgules. The dike reacts vigerious to HCl and is moderaetly magnetic. It is x-cut by calcite +/- hematite veins and there are a few visible specks of red hematite in the gruondmass in places. One short section of porphyry (noted below) is present between dikes. Top and bottom contacts are 40 TCA and sharp	CA				w			m				tr					
CA1206	TB	162.56	162.78	0.22		Little section of highly altered porhyry between two sections of dike rock. Really messy soupie looking rock x-cut by blotchy calcite and abundant quartz-hematite veins.																	
CA1206	TB	165.21	165.42	0.21		Chill margin within the dike rock. Includes some brecciateion of the chilled rock with clear and white calcite and chlorite between fragments.																	

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		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1206	**TB**	**167.94**	**181.66**	**13.72**	**MMD**	Micro Monzodiorite This section is comprised of intrusive porphyry with a variety of phyllic alteration overprinting weak K-spar alteration. The K-spar altered rock has a distinctive texture - previously described, with a dark brown to black semi-translucent aphanitic groundmass that host unaltered hbl phenocrysts, and stark white feldspar phenocrysts which are partly altered to calite +/- albite. This alteration facies leaves the rock moderaetly to strongly magnetic and with a moderate reaction to HCl. This alteration is overprinted by weak to intense varieties of sericite-chlorite-carbonate alteration and rare QSP. Depending on the intensity and dominant mineral in the phyllic overprint the rock can range from light to dark green, or buff to orange (with carbonate). The porphyry is comprised of 40% feldspar laths 2-4mm long and 15-20% hbl laths and blocky crystals 1-4mm long. The hbl are often altered to pyrite+chlorite or sericite and the feldspar are altered to sericite except where there is no phylic overprint, where they are calcite-albite altered. The rock is x-cut by quartz-pyrite,	CCSP		w		m	w	s	m		tr	tr	5	tr	tr			
CA1206	TB	168.74				30 TCA calcite stringer with a few blebs of cpy																	
CA1206	TB	169.42				40 TCA calcite stringer with a bleb of cpy																	
CA1206	TB	171.16	172.17	1.01		Strongly carbonate altered zone where much of the rock is x-cut by coarse carbonate veins and is carbonate aaltered to a buff or orangish colour. There is a little bit of glassy mafic dike materail roughly 0 TCA, so alteration is probably the result of a subparallel mafic dike																	
CA1206	TB	173.31	174.56	1.25		This interval contains 15% pyrite. Pyrite is mainly present as angular to sub-rounded clasts in a hydrothermal breccia. The breccia is subtle because it is hosted in a matrix which is strongly sericite-carbonate-quartz altered, which is similar to many of the clasts hosted in it. The main clasts types are porphyry, massive pyrite, and rare quartz vein fragments.																	
CA1206	TB	177.26	177.41	0.15		Minor breccia between two carbonate veins. Contains abundant pyrite "clasts" and matrix pyrite.																	
CA1206	TB	177.69				5mm wide 70 TCA calcite-quartz-pyrite vein has a bit of molybdnite on broken coarse pyrite surface.																	
CA1206	TB	179.30	181.66	2.36		This section has greatly incresed pyrite concentrtaion, now about 10% py. Here there are abundant calcite-pyrite, quartz-pyrite, and calcite-hematite-pyrite, chlorite-pyrite veins and greater abundant of disseminated pyrite. In a few locations the rock is brecciated with pyrite clasts in a sericite-carbonate-pyrite martrix (noted below).																	
CA1206	TB	179.40				60 TCA 2 cm wide banded milky white quartz vein with pyrite																	
CA1206	TB	179.42	179.94	0.52		This compicated interval has brecciated, sub0rounded fragments of calcite-altered porphyry and pyrite veins within variable matrix materaials including pure black chlorite, and QSP; the interval is also cut by several irregular but roughly 40 TCA 4-6 cm wide calite-hematite veins that also contain breccia (maybe here vein breccia) fragments.																	
CA1206	TB	179.94	180.07			Within this QSP overprint zone there are dense-closely spaced 80-90 TCA sheeted pyrite stringers																	
CA1206	TB	180.53				Here feldspar laths are psudomorphed to pyrite. Very cool!																	
CA1206	TB	180.95	181.66	0.71		This strange rock is strongly carbonate and sericite altered with hackly white a green core. It contains abundant (10%) chunks and lenses of pyrite; possibly brecciated?																	
CA1206	**TB**	**181.66**	**190.15**	**8.49**	**MDP**	Monzodiorite Porphyry This interval is comprised of K-feldpar altered intrusive porphry with a weak sericite-chlorite overprint in places. The porphyry is comprise of 40% 2-3mm feldpar laths which in some locations are alligned at a low angle to the core axis, and 20% lath blade and irregular angular hornblende phenocrysts from 1-4mm long. The goundmass of the rock is greenish where the strongest sericite overprint is present, but most typiclly it is pink K-feldspar, or blackish - partly from magnetite. K-feldspar alteration is apparent in most of the rock, and is manifested as orthoclase alteration of the feldspar and/or groundmass and magneite being present in the rock (possible that this is primary magnetite). Mostly the rock is pink and black, but where there is a sericite overprint it has a greenish hue, however the sericite alteration is weak and the rock is still magnetic and the feldspars are not completely repalced. However, the rock is moderaetly-highly reactive to HCl showing some replacemen of feldspars by calcite. The itnerval is x-cut by a low density of calcite-pyrite veins with QSP	KMPSC		m		w		m	m		tr		3	tr	tr			
CA1206	TB	182.92	183.05	0.13		1 cm wide calcite-hematite vein with cpy, 0 TCA																	

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		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1206	TB	183.58				30 TCA 1 cm wide calite vein with minor hematite staining and blebs of cpy in the center of the vein and around the edges.																	
CA1206	**TB**	**190.15**	**195.62**	**5.47**	**MMD**	Micro Monzodiorite In this section the alteration is pervasive, although variable seirice-carbonate +/-chlorite there is no visible remanant K-feldspar alteration. The porphyry is comprised of 1-4 mm long lath and columnar feldpspar phenocrysts and 20% 1-4mm hbl laths and anhedral jaggeged crystals. The phenocysts are hosted in an orginally aphanitic groundmass with variable alteration. THe rock ranges from dark to light green with orangeisł buff coloured patches. The feldspars are all altered to sericite; hbl are in places unaltered, elsewhere alterd to chlorite+pyrite or a tan coloured clay mineral. The section is x-cut by abundant calcite veins often with hematite and/or pyrite and a trace of cpy. There are rare calcite-pyrite veins with QSP halos. Pyrite is abundant disseminated in the groundmass of the rock, especially at the site of altered mafic phenocrysts. It is also present in veins for a total concentration of 6%/vol. The rock reacts moderately to strongly to HCl and is non-magnetic.	CSP_WM				w		s	s		tr		6		tr			
CA1206	TB	190.72				Sheeted calcite-quartz-hematite-pyrite veins 85 TCA with a 1 cm vein of semi-massive pyrite																	
CA1206	TB	191.25				10 cm wide 30 TCA pinkish calcite vein with hematite margins contains a vein breccia of wall-rock fragments. It truncates an earlier pyrite-hematite vein.																	
CA1206	TB	191.58				3mm wide 50 TCA banded hemitite vein with a narrow band of discontinuious cpy.																	
CA1206	TB	192.28	193.54	1.26		Within this zone there are abundant calcite-pyrite veins with narrow QSP halos																	
CA1206	TB	194.88	195.59	0.71		Within this bleached pale olive green coloured rock there are abundant calite-hematite veins with a trace of cpy																	
CA1206	**TB**	**195.62**	**211.45**	**15.83**	**MDP**	Monzodiorite Porphyry This interval is comprised mainly of weakly K-feldspar altered intrusive porphyry. The porphyry is comprised of 40% feldspar laths and columns 2-4mm long, and 20% mainly lath shapped hbl phenocrysts 2-4mm long. The phenocrysts are hosted in a pinkish or black aphanitic groundmass presumably comprised mainly of orthoclase and magnetite. THe phenocrysts are variably altered: feldspars are partly altered to calcite and/or sericite and/or in a few locations K-feldspar. Hbl phenocrys are often unalterd except for partial replacement by pyrite; in a few locations with phyllic overpints hbl i altered to sericite or chlorite. Generally the alteration is weak potassic altered which has mainly altered the groundmass to a hard pink orthoclase - the rock is also quite magnetic so there is probably some alteration related magnetite. Partial calcite alteration of the feldspars is also abundant and gives the rock a moderate reaction to HCl. Where least altered the rock has an orange and black colour; elsewhere, when there is minor or more advanced sericite +/- chlorite alteration the rock has a greenish hue - in just a few interverals there is sc	KMPSC		w		w		m	m				3	tr	tr			
CA1206	TB	197.20	198.30	1.10		This interval has increased sericite-carbonate alteration overprint. K alteration is not visible, all phenocryst phases are altered to sericite + carbonate																	
CA1206	TB	197.76	198.25	0.49		Strange brittle and vuggy rock with quartz-carbonate alteration and abundant irregular pyrite seams and veins - 15% py.																	
CA1206	TB	203.35	205.45	2.10		Weak to moderate QSP overprint in this zone. The potassic alteration is still apparent but there is increased yprite veining (8% pyrite), the rock is no longer magnetic and only reacts weakly to HCl away from calcite veins.																	
CA1206	TB	206.22				Here there are tiny irregular epidote crystals in the groundmass.																	
CA1206	TB	208.26				5mm wide 30 TCA massive pyrite vein with minor QSO halo																	
CA1206	TB	210.37	210.86	0.49		This is all completely broken up core, but most of the broken fragments have pyrite lined surfaces - increased sericite alteration																	

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		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1206	**TB**	**211.45**	**219.39**	**7.94**	**MMD**	Micro Monzodiorite This interval is comprised of the same intrusive porphyry as the previous intervals. Here it is comprised of 40% feldspar laths and 20% hbl blades and irregular 1-4mm anhedral crystals in an altered orginally aphanitic groundmass. The alteration in this interval is quite variable and oten the orginal weakly K-feldspar altered porhyry is complely overprinted. The main overpinting alteration is sericite-carbonate-chlorite-pyrite, with minor QSP and highly variable combinations of the CCSP assemblages. Some of the notable assemablages are noted below, but typically the feldspar are altered to sericite, hornblende t chlorite and pyrite, and the groundmass to calcite-sericite-chlorite-quartz? The itnerval contains on average 5% pyrite, and a few noted sections have higher concentrations of pyrite, often associated with quartz veining. The itnerval is x-cut by quartz-pyrite, calcite-pyrite, chlorite +/-calcite-pyrite, coarse white calcite + magnetite +/- hematite and late calcite stringers. No cpy was observed. The rock is mainly non magnetic except in a few locations	CCSP	w	w		m		m	m				5	tr	tr			
CA1206	TB	211.45	213.27	1.82		This section is really broken up but all the fracture surfaces have abundant chlorite + pyrite + sericite, and some pyrite rich quartz veins are preesnt with silicified and quartz rich selvages. 8% pyrite in this section																	
CA1206	TB	212.14	212.49	0.35		Exposed in broken core - a 2.5 cm wide banded 50% quartz 50% pyrite vein. 5 TCA																	
CA1206	TB	213.26	214.22	0.96		Pale green to orange bleached rock hosts 2-6 cm wide coarse calcite veins with angular clots of magnetite and hematite (after magnetite?) veins are 60 TCA																	
CA1206	TB	216.39	217.44	1.05		This interval has bands which are super-strongly carbomate altered. Within these bands the rock has a blotchy appearance with white calcite completely altering the groundmass; and partly pseudomorhing the feldspar phenocrysts making a chalky martix to irregular pods of quartz+chlorite+pyrite where there once were hbl phenocrysts.																	
CA1206	**TB**	**219.39**	**221.05**	**1.66**	**MMD**	Micro Monzodiorite This short interval is comprised of strong QSP alteration where the groundmass is entitely altered to quartz+minor sericite and the phenocrysts phases are completely altered to sercite - no carbonate. The groundmass has 5% dissemianted pyrite and there are abundant pyrite stringers and veins in random orientation, some with a bit of quartz. The porphyry here is recgonizable because the phenocrysts are wholesale altered to sericite and satnd out agains the quartz rich groundmass. It is comprised of about 60% 1-4mm laths, which from other intervals can be intrpreted to have once been feldspar and hbl. overall the itnerval contains about 15% pyrite. it is cross-cut by a few late calcite stringers.	QSP	s					s					15					
CA1206	**TB**	**221.05**	**224.51**	**3.46**	**MDP**	Monzodiorite Porphyry This interval of intrusive porhyry is not strongly altered. It has a weak calc-potassic alteration. It is comprised of 40-50% feldpar laths 2-4mm long and 20% irregular and lath shapped hbl crysts from 2-4mm long which are hosted in an aphanitic glassy to milky-white or orange groundmass. The porphyry has a weak calc-potassic alteration represented by partial alteration of the groundmass to k-feldspar, partial alteration of feldspar to calcite and epidote alteration, in a few locations, of hbl and/or feldspar phenocryts, or blebs in the groundmass. The rcok is x-cut by a low density of calcite +/- pyrite veins and stringers and by rare pyrite-calcite-quartz veins with QST halos. The rock contains a trace of pyrite up to 1%. It is magnetic and reacts moderately to HCl.	KMPSC		w				w	m				tr-1	tr	tr			
CA1206	**TB**	**224.51**	**234.39**	**9.88**	**MMD**	Micro Monzodiorite This interval of intrusive porphyry is like the previous interval, except in about 70% of the rock there is a sericite-chlorite-carbonate or rarely QSP overprint on the weak calc-K alteration. The porphyry is comprised of 40% feldspar laths 2-4mm long and 20% hbl phenos which are lath or anhedral blocky shapes, in a completely altered goundmass. The alteration is quite variable but the most pervasive is sericite-carbonate with patches of stong chlorite alteration and a few noted intervals of QSP. Feldspars are altered to sericite and hbl are either unaltered, altered to chloirte + pyrite or rarely to sericite. The groundmass is often wholesale altered to sericite, or calcite, and in QSP zones is rich in quartz. The rock in this interval has extremely variable magnitism, which is a result of magnetite in the least-altered calc-potassic rock (without the phyllic overprint), or the result of tiny magnetite veins which are mainly seen as magnetite on fractered surfaces. The itnerval is xcut by calite-pyrite +/-hematite, chlorite-pyrite and quartz-pyrite veins. A large calcite vein	CCSP	w	w		w-m		m-s	m-s		tr		6	tr	tr			

Hole_ID	Geo	From	To	Width	Rock Code	Description	Alteration Code	Alteration								Mineralization							
		m	m	m				SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1206	TB	226.70				50 TCA banded vein with 1mm calcite center surrounded by 1 cm wide quartz + QSP halo.																	
CA1206	TB	228.35	228.74	0.39		Zone of intense calcite alteration and bleaching around a 3 cm thick 30 TCA calcite vein with blebs of cpy.																	
CA1206	TB	229.17	230.37	1.20		Intense calcite +/- chlorite alteration where the entire groundmass is altered to white chalky calcite, and includes, in places, clots of chlorite+pyrite.																	
CA1206	TB	230.43	230.87	0.44		Strong QSP zone with quartz and massive pyrite veining approximately 30 TCA. Interval is about 40% pyrite																	
CA1206	TB	233.07	234.39	1.32		Intense chlorite-sericite-quartz alteration with dense pyrite stringers. 15% pyrite.																	
CA1206	**TB**	**234.39**	**240.86**	**6.47**	**MDP**	Monzodiorite porphyry This is the last interval before a profound shift in the nature of the core - this is the last section of highly broken core, which is mainly recovered as gravel sized shards and a few full NQ tube sized pieces; after this interval the core, although it has the same protolith, is much more compentent. Here the rock is comprised of intrusive porphry with a weak calc-potassic alteration that is overprinted in a patchy fassion by sericite-chlorite, or in a few noted locations, stronger QSP alteration. The porphyry is comprised of 40% lath-blocky and columnar feldspar phenocrysts and 20% an-euhedral hbl phenocrysts which can have a lath shape but are more often irregular jagged crysals, interstitial to the feldspar. Both are hostes in an orginally aphanitic grounmass which is now strongly altered. The interval has a calc-potassic alteration which is overprinted by a weak sericite or stronger QSP alteration. The calc-potassic consists of k-feldspar +/- magneitite whic has altered the groundmass of the rock, making it pinkish or black, and magnetics; in places some of the	KMPSC		w		w	m	m					2	tr	tr			
CA1206	TB	236.54	237.86	1.32		This section has a moderate QSP overprint with white silca replacing the groundmass in mandy places; the rock has increased pyrite and the broken fracture surfaces often have abundant pyrite; the section has increased calcite-pyrite veining. 5% py.																	
CA1206	TB	239.70	240.86	1.16		Within this zone the feldspars are all altered to sericite and there is increased calcite-pyrite veining with QSP halos - 6% pyrite																	
CA1206	**TB**	**240.86**	**255.17**	**14.31**	**MDP**	Monzodiorite Porphyry This interval is unique to the core from this hole: This core is highly competent relative to the previous sections up-hole (see RQD for dramatic change). The shift is marked by several changes in the geological character of the rock; most noticably right at this point gypsum or anhydrite veins become abundant, whereas previously they are extremely rare. However, that cannot explain the change in competency of the rock; here the rock is harder, and there are many subtle indications that calc-potassic alteration is much stronger here than up-hole. Previously calc-potassic alteration is weak, but here it is moderate; this is noted as an increase in the amount of genuine k-feldspar replacement of the martix and phenocrysts, and as occasional k-feldspar veins/seams that run through the rock, k-feldspar selvages on the edges of quartz veins, and the moderately-highly magnetic nature of the rock. However, the interval still has variable calc-potassic alteration which is in some places ovprinted by variable, but mainly weak phyllic alteration. The alteration has caused some textural destrction but in least altered areas the porphyry is clearly visible. It is	KCAP		m		w	m	m					2-4	1	tr			
CA1206	TB	241.89				Here a gypsum vein clearly cuts a calcite-hemitite-pyrite vein																	
CA1206	TB	241.99				85 TCA 2mm wide quartz-pyrite vein has a narrow orthoclase selvage																	
CA1206	TB	242.61				60 TCA epidote vein, or selvage to a sub-mm qz vein.																	
CA1206	TB	244.37				30 TCA 2 cm wide phyllic halo around a narrow pyrite-calcite vein, which is followed later (probably) by a gypsum vein. There is a 1-2mm wide epidote selvage on the outter limits which has replaced feldspars with epidote.																	
CA1206	TB	245.23				In slightly broken up core an orthoclase vein or selvage 4mm wide roughly 85 TCA																	
CA1206	TB					30 TCA 3 cm wide banded qz-pyrite vein which is followed by a later gypsum vein, and has a broad QSp overprint.																	
CA1206	TB	246.08	246.33	0.25		In this section there are numberious amorphious k-feldspar stringers through the groundmass of the porphyry.																	
CA1206	TB	246.84				20 TCA quartz-epidote-pyrite vein 4mm wide																	
CA1206	TB	248.00	248.06	0.06		60 TCA 2mm wide calcite-quartz-pyrite stringer has banded quartz-then-epudote-then-orthoclase selvage																	
CA1206	TB	249.15	249.37	0.22		This section is strongly calcite altered and is x-cut by several calcite-hematite veins which are probably responsible.																	

Hole_ID	Geo	From	To	Width	Rock Code	Description	Alteration Code	Alteration								Mineralization							
		m	m	m				SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1206	TB	251.40	251.50	0.10		Several veins and irregular pods of chlorite-pyrite in this zone with increase chlorite-carbonate-sericite alteration and 8% total pyrite																	
CA1206	TB	252.97	253.12	0.15		Vein-like structure with discrete margins where the groundmass of the rock is completely altered to hard white quartz but the hbl phenocrysts are unaffected. Contact 30 TCA																	
CA1206	**TB**	**255.17**	**258.16**	**2.99**	**MMD**	Micro Monzodiorite Unlink the previous interval, here there is a moderate to strong QSP overprint on the K-spar altered rock, such that the K-spar alteration is barely visible in just a few locations. Here the porphyry is comprised of 40% 2-4mm laths shapped feldspar phenocryts and 20% mainly lath shapped 2-4mm hbl phenocryts in a quartz-sericite +/- chlorite altered groundmass. The rock is variably altered from complete QSP with a high degree of silicification, to just a partial overprint where only the feldspar are altered to sericite Where weakly to moderately altered the hbl phenocrysts are partly altered to pyrite, with strong QSP the hbl are altered to sercite +/- pyrite. The rock has several appearences based on the intensity of altereation. It ranges from glassy strong QSP to blotchy rock with white quartz altered groundmass and irregular blotchy amorphous blobs of clear-quartz+sericite+hbl+pyrite. The rock has 6% pyrite except in the strongest QST zone which is surrounding a low angle massive pyrite + calcite vein (noted below) which is 30% pyrite. The rock is non magneitic and has no to weak reaction to HCl. It is x-cut by calcite+/-quartz-p	QSP	s			w		s						6				
CA1206	TB	256.03	257.10	1.07		This section has the blotchy QSP texture described above with zones of white hard sililca seperating amorphous blobs of dark silica+pyrite+hbl+sericite.																	
CA1206	TB	257.53	258.16	0.63		This section is strongly QSP altered. All phenocrysts are altered to sericite and the groundmass is now quartz rich. A massive pyrite vein with interstitial calcite is 0 TCA and skims up to 1/4 of the core through this interval. Overall the itnerval is 30% pyrite												30					
CA1206	**TB**	**258.16**	**278.91**	**20.75**	**MMD**	This interval is comrprised mainly of moderately calc-potassic altered intrusive porphyry with occasional usually weak phyllic overprint. The porphyry is comprised of 40% feldspar laths, 2 4mm long and sometimes quite wide (1.5mm), and 20% mainly lath shapped hbl phenocrysts in an orginally aphanitic groundmass. The feldspars are sometimes partly altered to sericite, or to k-feldspar, and sometimes they are hard and white and react weakly to HCl so probably weakly altered partly to calcite. Hbl are often unaltered or lartly altered to pyrite. K-feldspar alteration takes the form of orthoclse in selvages around veins, partial replacement of the groundmass and/or feldspar phenocrsyts, and forming clots and wispy stringers in the strongest altered rock; it is accompanied by increased magneitite,and in one location (noted below) there is a breccia with a magnetite matrix. Orthoclase is often accompanied by epidote which also forms in selvages and clots, and is sometimes a major component in the groundmass alteration suite. In a few locations the interval is overpinted by phyllic alteration which has altered phenocrysts and groundmass into a variety of quartz-sercite-chlorite-carbo	KCAP		m		w	m	w	w				3					
CA1206	TB	260.95	262.21	1.26		Section of moderate to strong QSP, with abundant quartz-pyrite veins and strongly quartz altered grtoundmass and sericite altered phenocrsyts. Cotnains 20% pyrite in veins and dissemianted.																	
CA1206	TB	261.98				30 TCA 4 cm wide (true width) composite vein of pinkish gypsum and red hematite-pyrite-calcite. Probably the gypsum followed the previous hematite vein. X-cuts QSP related qz+pyrite veins.																	
CA1206	TB	264.06				2 cm diameter clot of, from center to outter ring, pyrite-epidote-k-feldspar.																	
CA1206	TB	264.25				1mm wide 60 TCA gypsum vein is probably after a tiny magnetite seam. Around the vein there are irregular black pods rich in magnetite.																	
CA1206	TB	265.42				Strange 1 cm wide and smaller vein-like zones of black-silica flooding. In places discrete boundaries then it just dissapears.																	
CA1206	TB	266.41				4 cm diameter clot of pyrite+epidote+chlorite with broad strongly K-spar altered halo																	
CA1206	TB	267.11	268.54	1.43		This interval has abundant quartz stringers and veins which are only clear to see when the core is wet. Some veins are semi-translucent mottled gray others are milky white. Some have strong QSP halso others have none. The interval has definate windows through the QSP alteration into moderate K-spar altered rock, but there is an increasiogn QSP alteration towards the center of the interval, which culmanates in a center with a 5 TCA 2 cm wide semimass-ve pyrite-calcite vein 2 cm thick.																	
CA1206	TB	268.54	268.83	0.29		Zone with strong K-spar alteration, bordering on K-spar flooding.																	

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1206	TB	271.50				In this location a quartz-pyrite vein is clearly overprinting K-feldspar altered rock with a QSP halo																	
CA1206	TB	273.71	273.99	0.28		Here the rock has a brecciated texture with sub-angular to sub-rounded fragments of greenish and pinkish porhyry in a black groundmass comprised mainly of magnetite. Extrememly magnetic.																	
CA1206	TB	276.18				2mm 80 TCA gyposum vein which split a chlorite vein that has k-feldspar altered selvages.																	
CA1206	TB	276.56	278.91	2.35		In this interval gypsum veins have a really consistent 60 TCA orientation.																	
CA1206	**TB**	**278.91**	**282.24**	**3.33**	**MMD**	Micro Monzodiorite Here the intrusive porphry is moderately K-spar altered but overprinted by a strong sericite+/-chlorite+/-carbonate phyllic overprint and in places a stronger QSP over pritn. The porphry is as descibed in previous intervals with 40% lath shapped feldspars and 20% laths and irregular shapped hbl phenocrysts 2-4mm long in an aphanitic groundmass. The feldspars are all altered to sericite and the hbl are altered to sericite or chlorite + pyrite. In rare windows through the phyllic/QSP overprint Kspar alteration of the feldspar or groundmass is sometimes apparent and in some least altered location the rock is still magneitic. The interval is x-cut by abundant quartz+pyrite veins and calcite-pyrite veins. Ironically but previousl observed, the QSP overprint is surrounding the calcite+pyrite veins, rather than the quartz-pyrite veins. There are also calcite+hematite+/-epidote veins and abundant gypsum veins, which sometimes follow the same plane as earlier veins and are now part of a composite vein. Pyrite concentration in the interval ranges from 5%-10% int the	CCSP		w		m	w	s	m				5-10	tr	tr			
CA1206	TB	278.91																					
CA1206	**TB**	**282.24**	**293.60**	**11.36**	**MDP**	Micro Monzodiorite This interval is comprised of moderately calc-potassic altered intrusive porphyry with a small porportion of rock that has a phyllic or QSP overprint alteration. The porphry is comprised of lath and chunky 2X4mm rectangular feldspar phenocrsyts and lath to subhedral blocky hbl phenocrysts 2-4mm in an orginally aphanitic but now complerely altered groundmass. The rock is moderately and very noticably calc-potassic altered with abundant K=spar and epidote. The K-spar orten replaces the groundmass, occurs in bright-pard pink pods, minor stringers and narrow vein selvages. Epidote sometimes occurs in association with Kspar in pods or selvages and also occurs independantly as bands/veins, stringers, replacement alteration of feldspar or hbl, or disseminated as fine crystsl in the groundmass. THe rock is quite magnetic and there is an abundance of magnetite in the groundmass, espeicallly in black coloured angular pods and narrow veinlettes. The interval is x-cut by abundant quartz sotckwork comprised of 2-6mm wide veins, usually at a 20-40 TCA angle - these veins have a small proportion of pyrite and no QSP selvage, but they do have possible	KCAP		m		w	m	w	w				3	1	tr			
CA1206	TB	283.35				Here there is a possible speck of cpy in a pod of epidote + k-feldspar																	
CA1206	TB	288.84	290.41	1.57		Within this zone calc-potassic alteration is strong. The rock is blotchy because 60% of it is wholesale altered to k-feldspar (not including mafic phenos), and 20% is wholesale altered to epidote, making pink and green blotches, which are cut by late black chlorite stringers and caicite veins.																	
CA1206	TB	290.41	291.17	0.76		This section has modeerate to strong QSP alteration related to several 20 TCA calcite-pyrite +/-chlorite veins. Overall 8% pyrite.,																	
CA1206	TB	292.50				A high angle TCA band of epidote cuts and offsets a low angle TCA quartz vein. Both are cu by a gypsum stringer.																	
CA1206	TB	292.69	303.84	11.15		30 TCA jagged and irregular 3-4mm wide k-feldspar vein.																	

Hole_ID	Geo	From	To	Width	Rock	Description	Alteration	Alteration								Mineralization							
		m	m	m	Code		Code	SIL	OR	BI	CH	EP	SER	CAL	Other	CP	MO	MS	MT	HT	LIM	MAL	Other
CA1206	**TB**	**293.60**	**303.48**	**9.88**	**MDP**	Monzodiorite Porphyry This interval is comprised of moderate to strongly calc-potassic altered intrusive porphyry. The porphyry appears a bit different than in previous intervals, possibly because of the alteration. It appears to be more packed with chunier feldspars and less goundmass. It is comprised of 60% 2-4mm long and 1-2mm wide feldspar laths and columns and 20% 2-5mm long hornblende laths. The groundmass is strongly magnetic and there are often sub mm visible cubic magnetite crystals. Typically the groundmass is altered to k-feldspar, and there are bands, lenses and pods where K-feldspar is replacing groundmass and feldspar phenocrysts. Epidote is also a common altertaion mineral and can occur altering feldspar or hornblende phenocrysts, or sometimes flooding the rock and altering phenocrysts and groundmass. In pervasively epidote altered rock there are often little stringers of orthoclase and vise-versa. Chlorite (or possibly biotite?) is a common alteration product of hbl, and some hbl is unaltered. The interval is x-cut by moderate density of quartz stockwork, and tiny calcite/chlorite/quartz +/- hemitite/magnetite stringers are excen	KCAP_WM		m-s	w?	w	m	w	w		tr		4	2	tr			Au
CA1206	TB	298.71	299.26	0.55		In this section coarse gypsum intrudes and slightly brecciates the strongly k-spar altered rock. Within the gypsum vein are fragments of the altered porhyry which are rimed by or in places completely replaced by hematite and magnetite. Both the gypsum and hematite-magnetite fragments have disseminated and tiny stringers of pyrite, a trace of pyrite and in one little veinlette of gypsum on the margin of the breccia there is a 1mm irregular bleb of native visible gold.																	
CA1206	TB	303.53				Here there is a calcite lens on the side of a thick composite quartz vein 80 TCA, with a bleb of cpy																	
CA1206	**TB**	**303.48**	**311.05**	**7.21**	**MDP**	Mozodiorite Porphyry This interval is strongly and pervasively K-feldspar altered. The top of the interval is begins at where epidote is no longer an important alteration mineral. The alteration is partly to fully texturally destructive and in much of the itnerval there are compeltely k-fedlspar altereed/flooded sections in angular and jagged contact with irregular shapped pods of chlorite/biotite with abundant pyrite are essentially segregrates of the Fe-Mg minerals. Magnetite or hematite after magneite + quartz or calcite veins are promenent in this interval and part of the potassic alteration; there is also a magnetite + chlorite healed breccia (noted below). This intensity of alteration becomes more abundant towards the bottom of the itnerval; higher up the rock type is more apparent and is similar to the previous interval with a high proportion (60%) volume chunky 2-4mm feldspar laths and 20% 2-5mm hbl laths and irregular anhedral crystals. The interval is x-cut by an increasing abundant of calcite veins and irregular pods which sometimes carry cpy. Calcite or quartz veins with	KMPSC		s	?	m	w	w			tr		5	1	tr			
CA1206	TB	305.41	305.96	0.55		Subtle breccia texture with broken up fragments of k-spar flooded rock in a matrix of black clorite (biotite?) hematite and magnetite with traces of cpy and py																	
CA1206	TB	306.55				Irregular calcite pod between prophyry fragments? With a trace of cpy																	
CA1206	TB	309.37	311.05	1.68		The itnerval begins picking up a bit of epidote here.																	
CA1206	**TB**	**311.05**	**312.02**	**0.97**	**Fault**	Poor recovery of clay rich gouge																	
CA1206	TB	311.05				sharp fault contact 18 TCA seperates healed porphry fault breccia and gray coloured clay-rich gouge																	
CA1206	**TB**	**312.02**	**312.72**	**0.70**	**?**	Small amount of gravel recovered from the opposite side of the clay seam. Very small pieces that look like altered porphryy.																	
CA1206	TB	312.72	312.72			EOH 312.72 m																	

Code	Lithology
Dykes	
FD	Felsic
ID	Intermediate
MD	Mafic
AP	Aplite
FPD	Feldspar porphyry diorite
FPD_MV	Feldspar porphyry diorite + mafic volcanics
Main Intrusive	
MDP	Monzodiorite porphyry
MMD	Micro-monzodiorite
MMDB	Micro-monzodiorite breccia
MMDB_MV	Micro-monzodiorite breccia + mafic volcanics
SYB	Syenite breccia
Volcanic	
HTLT	Heterolithic lapilli tuff
IV	Intermediate volcanic
MV	Mafic volcanic
RB	Rhyolite breccia
Other	
Fault	Fault
MS	Massive sulfide vein
QCPV	Quartz-carbonate-pyrite vein
BX	Breccia

Code	Alteration
Potassic (+/- overprinted assemblages)	
KF	K-feldspar
KF_WM	K-feldspar, weak-moderate
KMP	K-feldspar-magnetite-pyrite
KMP_WM	K-feldspar-magnetite-pyrite, weak-moderate
KM_QMC	K-feldspar-magnetite + quartz-magnetite-chalcopyrite veins
KMPSC	K-feldspar-magnetite-pyrite-sericite-chlorite(-calcite)
KQSP	K-feldspar, quartz-sericite-pyrite
KSP	K-feldspar-sericite-pyrite
KSP_WM	K-feldspar-sericite-pyrite, weak-moderate
KSSCCP	K-feldspar-silica-sericite-chlorite-calcite-pyrite
KCSP	K-feldspar-chlorite-sericite-pyrite
KCSP_WM	K-feldspar-chlorite-sericite-pyrite, weak-moderate
Calc-potassic (+/- overprinted assemblages)	
KMEHP	K-feldspar-magnetite-epidote-hematite-pyrite
KCAP	K-feldspar-magnetite-epidote-albite-calcite-pyrite
KCAP_WM	K-feldspar-magnetite-epidote-albite-calcite-pyrite, weak-moderate
EPCHSCP	epidote chlorite + sericite carbonate pyrite
EPCHMSCP_QCC	epidote chlorite magnetite + sericite carbonate pyrite + quartz-carbonate-chalcopyrite veins
Phyllic 1 (+sericite+/-calcite)	
QP	quartz-pyrite
QS	quartz-sericite
QSP	quartz-sericite-pyrite
QSP_WM	quartz-sericite-pyrite, weak-moderate
QSP_T	quartz-sericite-pyrite + tourmaline
QSCP	quartz-sericite-carbonate-pyrite
QSCCP	quartz-sericite-chlorite-calcite-pyrite
QSCHP	quartz-sericite-calcite-hematite-pyrite
CSP	calcite sericite pyrite
CSP_G	calcite sericite pyrite + gypsum veins
CSP_WM	calcite sericite pyrite, weak-moderate
Phyllic 2 (+sericite+chlorite+/-calcite)	
CCS	calcite chlorite sericite
CCSP	calcite chlorite sericite pyrite
CCSP_QC	calcite chlorite sericite pyrite + quartz-chalcopyrite veins
CCSP_QCC	calcite chlorite sericite pyrite + quartz-carbonate-chalcopyrite veins
CCSP_QMC	calcite chlorite sericite pyrite + quartz-carbonate-magnetite-chalcopyrite veins
CCSP_WM	calcite chlorite sericite pyrite, weak-moderate
CCSP_T	calcite chlorite sericite pyrite + tourmaline?
CCSPM	calcite chlorite sericite pyrite + magnetite
CCSM	calcite chlorite sericite + magnetite
CHSM	chlorite sericite magnetite
CHSP	chlorite sericite pyrite
CHSP_WM	chlorite sericite pyrite, weak-moderate
Propylitic (+chlorite+/-calcite)	
CA	calcite
CC	calcite chlorite
CHP	chlorite pyrite
Other	
QCP	quartz-carbonate-pyrite
CL	Clay

DDH	From (ft)	To (ft)	From (m)	To (m)	Length (m)	Measured Length (m)	% Recovery	Sum of >10cm core	RQD
CA12-01	10	12	3.05	3.66	0.61	0.75	123.03	0.00	0.00
CA12-01	12	22	3.66	6.71	3.05	2.91	95.47	0.67	21.98
CA12-01	22	32	6.71	9.75	3.05	2.97	97.44	1.96	64.30
CA12-01	32	42	9.75	12.80	3.05	3.00	98.43	0.65	21.33
CA12-01	42	52	12.80	15.85	3.05	2.95	96.78	0.89	29.20
CA12-01	52	62	15.85	18.90	3.05	2.97	97.44	0.98	32.15
CA12-01	62	72	18.90	21.95	3.05	3.04	99.74	1.15	37.73
CA12-01	72	82	21.95	24.99	3.05	3.05	100.07	1.64	53.81
CA12-01	82	92	24.99	28.04	3.05	3.04	99.74	1.55	50.85
CA12-01	92	102	28.04	31.09	3.05	2.84	93.18	1.93	63.32
CA12-01	102	112	31.09	34.14	3.05	3.05	100.07	1.21	39.70
CA12-01	112	122	34.14	37.19	3.05	3.05	100.07	1.56	51.18
CA12-01	122	132	37.19	40.23	3.05	2.82	92.52	0.46	15.09
CA12-01	132	142	40.23	43.28	3.05	3.05	100.07	0.00	0.00
CA12-01	142	150	43.28	45.72	2.44	2.55	104.58	0.00	0.00
CA12-01	150	152	45.72	46.33	0.61	0.55	90.22	0.00	0.00
CA12-01	152	158	46.33	48.16	1.83	1.83	100.07	0.00	0.00
CA12-01	158	162	48.16	49.38	1.22	1.22	100.07	0.00	0.00
CA12-01	162	172	49.38	52.43	3.05	3.05	100.07	0.66	21.65
CA12-01	172	181	52.43	55.17	2.74	2.74	99.88	1.12	40.83
CA12-01	181	190	55.17	57.91	2.74	2.67	97.33	0.23	8.38
CA12-01	190	192	57.91	58.52	0.61	0.46	75.46	0.46	75.46
CA12-01	192	202	58.52	61.57	3.05	2.99	98.10	0.57	18.70
CA12-01	202	212	61.57	64.62	3.05	2.92	95.80	1.08	35.43
CA12-01	212	222	64.62	67.67	3.05	3.05	100.07	0.65	21.33
CA12-01	222	232	67.67	70.71	3.05	2.93	96.13	1.37	44.95
CA12-01	232	242	70.71	73.76	3.05	2.82	92.52	0.88	28.87
CA12-01	242	252	73.76	76.81	3.05	3.05	100.07	1.58	51.84
CA12-01	252	262	76.81	79.86	3.05	3.05	100.07	0.65	21.33
CA12-01	262	270	79.86	82.30	2.44	2.44	100.07	1.40	57.41
CA12-01	270	276	82.30	84.12	1.83	1.82	99.52	0.55	30.07
CA12-01	276	282	84.12	85.95	1.83	1.83	100.07	0.00	0.00
CA12-01	282	292	85.95	89.00	3.05	3.05	100.07	1.58	51.84
CA12-01	292	302	89.00	92.05	3.05	2.65	86.94	1.00	32.81
CA12-01	302	312	92.05	95.10	3.05	3.05	100.07	0.38	12.47
CA12-01	312	322	95.10	98.15	3.05	2.90	95.14	0.24	7.87
CA12-01	322	332	98.15	101.19	3.05	2.95	96.78	2.07	67.91
CA12-01	332	342	101.19	104.24	3.05	3.05	100.07	2.18	71.52
CA12-01	342	352	104.24	107.29	3.05	3.05	100.07	2.40	78.74
CA12-01	352	362	107.29	110.34	3.05	3.05	100.07	1.13	37.07
CA12-01	362	372	110.34	113.39	3.05	3.05	100.07	2.46	80.71
CA12-01	372	382	113.39	116.43	3.05	3.05	100.07	1.79	58.73
CA12-01	382	392	116.43	119.48	3.05	3.05	100.07	1.65	54.13
CA12-01	392	402	119.48	122.53	3.05	3.05	100.07	1.45	47.57
CA12-01	402	412	122.53	125.58	3.05	2.95	96.78	1.64	53.81
CA12-01	412	421	125.58	128.32	2.74	2.75	100.25	0.88	32.08
CA12-01	421	424	128.32	129.24	0.91	0.72	78.74	0.00	0.00
CA12-01	424	432	129.24	131.67	2.44	2.45	100.48	0.00	0.00
CA12-01	432	440	131.67	134.11	2.44	2.25	92.27	0.33	13.53
CA12-01	440	442	134.11	134.72	0.61	0.61	100.07	0.37	60.70
CA12-01	442	449	134.72	136.86	2.13	2.04	95.61	0.20	9.37
CA12-01	449	457	136.86	139.29	2.44	2.40	98.43	1.52	62.34
CA12-01	457	461	139.29	140.51	1.22	0.95	77.92	0.14	11.48

DDH	From (ft)	To (ft)	From (m)	To (m)	Length (m)	Measured Length (m)	% Recovery	Sum of >10cm core	RQD
CA12-01	461	468	140.51	142.65	2.13	2.60	121.86	0.74	34.68
CA12-01	468	471	142.65	143.56	0.91	0.80	87.49	0.14	15.31
CA12-01	471	481	143.56	146.61	3.05	3.05	100.07	0.71	23.29
CA12-01	481	485	146.61	147.83	1.22	1.06	86.94	0.38	31.17
CA12-01	485	491	147.83	149.66	1.83	1.90	103.89	0.00	0.00
CA12-01	491	498	149.66	151.79	2.13	2.10	98.43	0.33	15.47
CA12-01	498	502	151.79	153.01	1.22	1.20	98.43	0.10	8.20
CA12-01	502	508	153.01	154.84	1.83	1.80	98.43	0.00	0.00
CA12-01	508	512	154.84	156.06	1.22	1.17	95.96	0.25	20.51
CA12-01	512	522	156.06	159.11	3.05	2.90	95.14	0.43	14.11
CA12-01	522	529	159.11	161.24	2.13	1.80	84.36	0.13	6.09
CA12-01	529	533	161.24	162.46	1.22	1.55	127.13	1.55	127.13
CA12-01	533	542	162.46	165.20	2.74	2.40	87.49	0.30	10.94
CA12-01	542	550	165.20	167.64	2.44	2.40	98.43	0.28	11.48
CA12-01	550	554	167.64	168.86	1.22	1.00	82.02	0.00	0.00
CA12-01	554	562	168.86	171.30	2.44	2.40	98.43	0.10	4.10
CA12-01	562	572	171.30	174.35	3.05	2.90	95.14	0.60	19.69
CA12-01	572	582	174.35	177.39	3.05	2.70	88.58	0.90	29.53
CA12-01	582	592	177.39	180.44	3.05	3.05	100.07	0.68	22.31
CA12-01	592	602	180.44	183.49	3.05	3.05	100.07	0.50	16.40
CA12-01	602	612	183.49	186.54	3.05	3.00	98.43	1.96	64.30
CA12-01	612	622	186.54	189.59	3.05	2.95	96.78	1.60	52.49
CA12-01	622	632	189.59	192.63	3.05	3.05	100.07	0.50	16.40
CA12-01	632	642	192.63	195.68	3.05	3.05	100.07	0.00	0.00
CA12-01	642	652	195.68	198.73	3.05	3.05	100.07	0.27	8.86
CA12-01	652	662	198.73	201.78	3.05	3.05	100.07	0.22	7.22
CA12-01	662	672	201.78	204.83	3.05	3.05	100.07	0.00	0.00
CA12-01	672	682	204.83	207.87	3.05	3.05	100.07	0.16	5.25
CA12-01	682	692	207.87	210.92	3.05	3.05	100.07	0.14	4.59
CA12-01	692	702	210.92	213.97	3.05	3.05	100.07	0.10	3.28
CA12-01	702	711	213.97	216.71	2.74	2.74	99.88	0.00	0.00
CA12-01	711	716	216.71	218.24	1.52	1.50	98.43	0.10	6.56
CA12-01	716	722	218.24	220.07	1.83	1.82	99.52	0.00	0.00
CA12-01	722	730	220.07	222.50	2.44	2.15	88.17	0.00	0.00
CA12-01	730	737	222.50	224.64	2.13	2.13	99.83	0.00	0.00
CA12-01	737	742	224.64	226.16	1.52	1.52	99.74	0.10	6.56
CA12-01	742	751	226.16	228.90	2.74	2.74	99.88	0.49	17.86
CA12-01	751	759	228.90	231.34	2.44	2.40	98.43	0.00	0.00
CA12-01	759	768	231.34	234.09	2.74	2.74	99.88	0.55	20.05
CA12-01	768	778	234.09	237.13	3.05	3.05	100.07	0.00	0.00
CA12-01	778	783	237.13	238.66	1.52	1.52	99.74	0.00	0.00
CA12-01	783	788	238.66	240.18	1.52	1.50	98.43	0.00	0.00
CA12-01	788	798	240.18	243.23	3.05	3.05	100.07	0.00	0.00
CA12-01	798	802	243.23	244.45	1.22	1.01	82.84	0.00	0.00
CA12-01	802	807	244.45	245.97	1.52	1.50	98.43	0.00	0.00
CA12-01	807	810	245.97	246.89	0.91	0.50	54.68	0.00	0.00
CA12-01	810	813	246.89	247.80	0.91	0.90	98.43	0.00	0.00
CA12-01	813	822	247.80	250.55	2.74	2.35	85.67	0.10	3.65
CA12-01	822	832	250.55	253.59	3.05	2.50	82.02	0.25	8.20
CA12-01	832	842	253.59	256.64	3.05	3.00	98.43	1.25	41.01
CA12-01	842	852	256.64	259.69	3.05	2.45	80.38	0.73	23.95
CA12-01	852	862	259.69	262.74	3.05	2.92	95.80	0.83	27.23
CA12-01	862	872	262.74	265.79	3.05	3.00	98.43	1.48	48.56

DDH	From (ft)	To (ft)	From (m)	To (m)	Length (m)	Measured Length (m)	% Recovery	Sum of >10cm core	RQD
CA12-01	872	882	265.79	268.83	3.05	2.94	96.46	2.50	82.02
CA12-01	882	892	268.83	271.88	3.05	3.00	98.43	2.37	77.76
CA12-01	892	902	271.88	274.93	3.05	2.97	97.44	1.98	64.96
CA12-01	902	912	274.93	277.98	3.05	3.05	100.07	1.32	43.31
CA12-01	912	922	277.98	281.03	3.05	3.05	100.07	0.10	3.28
CA12-01	922	932	281.03	284.07	3.05	3.05	100.07	0.11	3.61
CA12-01	932	942	284.07	287.12	3.05	3.05	100.07	0.11	3.61
CA12-01	942	949	287.12	289.26	2.13	2.15	100.77	0.95	44.53
CA12-01	949	952	289.26	290.17	0.91	0.90	98.43	0.13	14.22
CA12-01	952	962	290.17	293.22	3.05	1.90	62.34	0.44	14.44
CA12-01	962	971	293.22	295.96	2.74	2.60	94.78	0.00	0.00
CA12-01	971	979	295.96	298.40	2.44	2.40	98.43	1.10	45.11
CA12-01	979	983	298.40	299.62	1.22	1.00	82.02	0.33	27.07
CA12-01	983	991	299.62	302.06	2.44	2.05	84.07	0.44	18.04
CA12-01	991	997	302.06	303.89	1.83	0.90	49.21	0.20	10.94
CA12-01	997	1002	303.89	305.41	1.52	1.44	94.49	1.12	73.49
CA12-01	1002	1012	305.41	308.46	3.05	3.05	100.07	2.28	74.80
CA12-01	1012	1022	308.46	311.51	3.05	3.00	98.43	2.26	74.15
CA12-01	1022	1032	311.51	314.55	3.05	3.02	99.08	2.77	90.88
CA12-01	1032	1042	314.55	317.60	3.05	3.05	100.07	2.18	71.52
CA12-01	1042	1052	317.60	320.65	3.05	3.05	100.07	2.80	91.86
CA12-01	1052	1062	320.65	323.70	3.05	3.05	100.07	1.88	61.68
CA12-01	1062	1072	323.70	326.75	3.05	2.18	71.52	0.45	14.76
CA12-01	1072	1082	326.75	329.79	3.05	2.68	87.93	0.77	25.26
CA12-01	1082	1092	329.79	332.84	3.05	3.05	100.07	1.90	62.34
CA12-01	1092	1102	332.84	335.89	3.05	3.05	100.07	1.38	45.28
CA12-01	1102	1112	335.89	338.94	3.05	2.65	86.94	0.80	26.25
CA12-01	1112	1122	338.94	341.99	3.05	3.05	100.07	0.65	21.33
CA12-01	1122	1132	341.99	345.03	3.05	2.90	95.14	2.17	71.19
CA12-01	1132	1142	345.03	348.08	3.05	3.05	100.07	1.65	54.13
CA12-02	20	26	6.10	7.92	1.83	1.70	92.96	0.41	22.42
CA12-02	26	36	7.92	10.97	3.05	2.70	88.58	0.27	8.86
CA12-02	36	46	10.97	14.02	3.05	3.05	100.07	0.32	10.50
CA12-02	46	56	14.02	17.07	3.05	3.05	100.07	1.22	40.03
CA12-02	56	66	17.07	20.12	3.05	2.84	93.18	0.73	23.95
CA12-02	66	76	20.12	23.16	3.05	3.05	100.07	0.82	26.90
CA12-02	76	86	23.16	26.21	3.05	3.05	100.07	0.00	0.00
CA12-02	86	96	26.21	29.26	3.05	3.05	100.07	0.12	3.94
CA12-02	96	106	29.26	32.31	3.05	3.05	100.07	0.47	15.42
CA12-02	106	116	32.31	35.36	3.05	3.05	100.07	0.35	11.48
CA12-02	116	126	35.36	38.40	3.05	3.05	100.07	0.10	3.28
CA12-02	126	136	38.40	41.45	3.05	3.05	100.07	0.98	32.15
CA12-02	136	146	41.45	44.50	3.05	3.05	100.07	0.12	3.94
CA12-02	146	156	44.50	47.55	3.05	3.05	100.07	0.50	16.40
CA12-02	156	166	47.55	50.60	3.05	2.90	95.14	0.59	19.36
CA12-02	166	176	50.60	53.64	3.05	3.05	100.07	1.13	37.07
CA12-02	176	186	53.64	56.69	3.05	2.98	97.77	1.51	49.54
CA12-02	186	191	56.69	58.22	1.52	1.52	99.74	0.48	31.50
CA12-02	191	196	58.22	59.74	1.52	1.52	99.74	0.17	11.15
CA12-02	196	201	59.74	61.26	1.52	1.52	99.74	0.10	6.56
CA12-02	201	206	61.26	62.79	1.52	1.52	99.74	0.00	0.00
CA12-02	206	214	62.79	65.23	2.44	2.10	86.12	0.72	29.53
CA12-02	214	217	65.23	66.14	0.91	0.25	27.34	0.00	0.00

DDH	From (ft)	To (ft)	From (m)	To (m)	Length (m)	Measured Length (m)	% Recovery	Sum of >10cm core	RQD
CA12-02	217	219	66.14	66.75	0.61	0.50	82.02	0.00	0.00
CA12-02	219	225	66.75	68.58	1.83	1.20	65.62	0.00	0.00
CA12-02	225	234	68.58	71.32	2.74	2.40	87.49	0.00	0.00
CA12-02	234	236	71.32	71.93	0.61	0.40	65.62	0.00	0.00
CA12-02	236	246	71.93	74.98	3.05	2.50	82.02	0.00	0.00
CA12-02	246	256	74.98	78.03	3.05	3.05	100.07	0.00	0.00
CA12-02	256	266	78.03	81.08	3.05	3.05	100.07	0.26	8.53
CA12-02	266	276	81.08	84.12	3.05	3.05	100.07	0.00	0.00
CA12-02	276	285	84.12	86.87	2.74	2.65	96.60	0.11	4.01
CA12-02	285	290	86.87	88.39	1.52	1.52	99.74	0.00	0.00
CA12-02	290	296	88.39	90.22	1.83	1.50	82.02	0.14	7.66
CA12-02	296	298	90.22	90.83	0.61	0.40	65.62	0.00	0.00
CA12-02	298	301	90.83	91.74	0.91	0.90	98.43	0.31	33.90
CA12-02	301	306	91.74	93.27	1.52	1.52	99.74	0.12	7.87
CA12-02	306	311	93.27	94.79	1.52	1.47	96.46	0.20	13.12
CA12-02	311	316	94.79	96.32	1.52	1.52	99.74	0.33	21.65
CA12-02	316	321	96.32	97.84	1.52	1.10	72.18	0.21	13.78
CA12-02	321	326	97.84	99.36	1.52	1.15	75.46	0.00	0.00
CA12-02	326	331	99.36	100.89	1.52	1.50	98.43	0.00	0.00
CA12-02	331	336	100.89	102.41	1.52	1.52	99.74	0.63	41.34
CA12-02	336	341	102.41	103.94	1.52	1.40	91.86	0.00	0.00
CA12-02	341	346	103.94	105.46	1.52	1.52	99.74	0.00	0.00
CA12-02	346	351	105.46	106.98	1.52	0.75	49.21	0.00	0.00
CA12-02	351	356	106.98	108.51	1.52	1.42	93.18	0.34	22.31
CA12-02	356	361	108.51	110.03	1.52	1.52	99.74	0.56	36.75
CA12-02	361	366	110.03	111.56	1.52	1.44	94.49	0.10	6.56
CA12-02	366	371	111.56	113.08	1.52	1.35	88.58	0.28	18.37
CA12-02	371	376	113.08	114.60	1.52	1.52	99.74	0.24	15.75
CA12-02	376	381	114.60	116.13	1.52	1.52	99.74	0.76	49.87
CA12-02	381	386	116.13	117.65	1.52	1.42	93.18	1.27	83.33
CA12-02	386	391	117.65	119.18	1.52	1.51	99.08	1.47	96.46
CA12-02	391	396	119.18	120.70	1.52	1.52	99.74	1.13	74.15
CA12-02	396	401	120.70	122.22	1.52	1.34	87.93	0.59	38.71
CA12-02	401	406	122.22	123.75	1.52	1.52	99.74	0.42	27.56
CA12-02	406	411	123.75	125.27	1.52	1.48	97.11	0.95	62.34
CA12-02	411	416	125.27	126.80	1.52	1.52	99.74	0.89	58.40
CA12-02	416	421	126.80	128.32	1.52	1.47	96.46	0.40	26.25
CA12-02	421	426	128.32	129.84	1.52	1.42	93.18	0.61	40.03
CA12-02	426	431	129.84	131.37	1.52	1.52	99.74	1.21	79.40
CA12-02	431	436	131.37	132.89	1.52	1.52	99.74	1.24	81.36
CA12-02	436	441	132.89	134.42	1.52	1.50	98.43	1.16	76.12
CA12-02	441	446	134.42	135.94	1.52	1.52	99.74	0.42	27.56
CA12-02	446	451	135.94	137.46	1.52	1.35	88.58	1.32	86.61
CA12-02	451	456	137.46	138.99	1.52	1.52	99.74	1.46	95.80
CA12-02	456	461	138.99	140.51	1.52	1.36	89.24	1.10	72.18
CA12-02	461	466	140.51	142.04	1.52	1.52	99.74	1.16	76.12
CA12-02	466	471	142.04	143.56	1.52	1.52	99.74	0.33	21.65
CA12-02	471	476	143.56	145.08	1.52	1.52	99.74	0.64	41.99
CA12-02	476	481	145.08	146.61	1.52	1.52	99.74	0.55	36.09
CA12-02	481	491	146.61	149.66	3.05	3.05	100.07	1.75	57.41
CA12-02	491	496	149.66	151.18	1.52	1.52	99.74	1.00	65.62
CA12-02	496	501	151.18	152.70	1.52	1.52	99.74	1.26	82.68
CA12-02	501	506	152.70	154.23	1.52	1.46	95.80	0.76	49.87

DDH	From (ft)	To (ft)	From (m)	To (m)	Length (m)	Measured Length (m)	% Recovery	Sum of >10cm core	RQD
CA12-02	506	511	154.23	155.75	1.52	1.52	99.74	0.00	0.00
CA12-02	511	516	155.75	157.28	1.52	1.52	99.74	0.88	57.74
CA12-02	516	521	157.28	158.80	1.52	1.42	93.18	0.14	9.19
CA12-02	521	526	158.80	160.32	1.52	1.52	99.74	0.00	0.00
CA12-02	526	531	160.32	161.85	1.52	1.49	97.77	0.57	37.40
CA12-02	531	536	161.85	163.37	1.52	1.52	99.74	0.29	19.03
CA12-02	536	541	163.37	164.90	1.52	1.52	99.74	0.00	0.00
CA12-02	541	546	164.90	166.42	1.52	1.52	99.74	0.00	0.00
CA12-02	546	551	166.42	167.94	1.52	1.52	99.74	0.46	30.18
CA12-02	551	556	167.94	169.47	1.52	1.48	97.11	1.14	74.80
CA12-02	556	561	169.47	170.99	1.52	1.42	93.18	0.22	14.44
CA12-02	561	566	170.99	172.52	1.52	1.52	99.74	0.32	21.00
CA12-02	566	571	172.52	174.04	1.52	1.52	99.74	0.25	16.40
CA12-02	571	576	174.04	175.56	1.52	1.52	99.74	0.57	37.40
CA12-02	576	581	175.56	177.09	1.52	1.52	99.74	0.30	19.69
CA12-02	581	586	177.09	178.61	1.52	1.52	99.74	0.18	11.81
CA12-02	586	591	178.61	180.14	1.52	1.52	99.74	0.13	8.53
CA12-02	591	596	180.14	181.66	1.52	1.45	95.14	0.14	9.19
CA12-02	596	601	181.66	183.18	1.52	1.45	95.14	0.10	6.56
CA12-02	601	611	183.18	186.23	3.05	3.05	100.07	1.44	47.24
CA12-02	611	616	186.23	187.76	1.52	1.50	98.43	0.92	60.37
CA12-02	616	621	187.76	189.28	1.52	1.50	98.43	0.36	23.62
CA12-02	621	626	189.28	190.80	1.52	1.52	99.74	0.70	45.93
CA12-02	626	631	190.80	192.33	1.52	1.50	98.43	0.64	41.99
CA12-02	631	636	192.33	193.85	1.52	1.52	99.74	0.27	17.72
CA12-02	636	641	193.85	195.38	1.52	1.52	99.74	0.89	58.40
CA12-02	641	646	195.38	196.90	1.52	1.52	99.74	0.23	15.09
CA12-02	646	651	196.90	198.42	1.52	1.50	98.43	0.45	29.53
CA12-02	651	656	198.42	199.95	1.52	1.52	99.74	0.13	8.53
CA12-02	656	659	199.95	200.86	0.91	0.90	98.43	0.00	0.00
CA12-02	659	664	200.86	202.39	1.52	1.50	98.43	0.00	0.00
CA12-02	664	668	202.39	203.61	1.22	1.10	90.22	0.14	11.48
CA12-02	668	671	203.61	204.52	0.91	0.91	99.52	0.00	0.00
CA12-02	671	678	204.52	206.65	2.13	1.95	91.39	0.13	6.09
CA12-02	678	683	206.65	208.18	1.52	1.52	99.74	1.03	67.59
CA12-02	683	687	208.18	209.40	1.22	1.10	90.22	0.30	24.61
CA12-02	687	690	209.40	210.31	0.91	0.90	98.43	0.00	0.00
CA12-02	690	695	210.31	211.84	1.52	1.52	99.74	0.40	26.25
CA12-02	695	702	211.84	213.97	2.13	1.85	86.71	0.00	0.00
CA12-02	702	705	213.97	214.88	0.91	0.90	98.43	0.12	13.12
CA12-02	705	711	214.88	216.71	1.83	1.67	91.32	0.00	0.00
CA12-02	711	715	216.71	217.93	1.22	1.20	98.43	0.12	9.84
CA12-02	715	721	217.93	219.76	1.83	1.60	87.49	0.00	0.00
CA12-02	721	731	219.76	222.81	3.05	3.05	100.07	0.00	0.00
CA12-02	731	739	222.81	225.25	2.44	2.40	98.43	0.33	13.53
CA12-02	739	741	225.25	225.86	0.61	0.60	98.43	0.00	0.00
CA12-02	741	751	225.86	228.90	3.05	3.05	100.07	0.00	0.00
CA12-02	751	757	228.90	230.73	1.83	1.75	95.69	0.00	0.00
CA12-02	757	760	230.73	231.65	0.91	0.92	100.61	0.00	0.00
CA12-02	760	764	231.65	232.87	1.22	0.95	77.92	0.00	0.00
CA12-02	764	770	232.87	234.70	1.83	0.75	41.01	0.00	0.00
CA12-02	770	776	234.70	236.52	1.83	1.00	54.68	0.00	0.00
CA12-02	776	779	236.52	237.44	0.91	0.90	98.43	0.00	0.00

DDH	From (ft)	To (ft)	From (m)	To (m)	Length (m)	Measured Length (m)	% Recovery	Sum of >10cm core	RQD
CA12-02	779	781	237.44	238.05	0.61	0.42	68.90	0.00	0.00
CA12-02	781	789	238.05	240.49	2.44	2.40	98.43	0.00	0.00
CA12-02	789	793	240.49	241.71	1.22	1.20	98.43	0.00	0.00
CA12-02	793	795	241.71	242.32	0.61	0.60	98.43	0.00	0.00
CA12-02	795	801	242.32	244.14	1.83	1.45	79.29	0.43	23.51
CA12-02	801	808	244.14	246.28	2.13	2.10	98.43	0.12	5.62
CA12-02	808	812	246.28	247.50	1.22	1.15	94.32	0.38	31.17
CA12-02	812	818	247.50	249.33	1.83	1.75	95.69	0.45	24.61
CA12-02	818	821	249.33	250.24	0.91	0.92	100.61	0.61	66.71
CA12-02	821	826	250.24	251.76	1.52	1.53	100.39	0.00	0.00
CA12-02	826	828	251.76	252.37	0.61	0.60	98.43	0.00	0.00
CA12-02	828	831	252.37	253.29	0.91	0.92	100.61	0.00	0.00
CA12-02	831	837	253.29	255.12	1.83	1.75	95.69	0.11	6.01
CA12-02	837	839	255.12	255.73	0.61	0.60	98.43	0.00	0.00
CA12-02	839	841	255.73	256.34	0.61	0.60	98.43	0.00	0.00
CA12-02	841	845	256.34	257.56	1.22	1.12	91.86	0.00	0.00
CA12-02	845	850	257.56	259.08	1.52	1.52	99.74	1.20	78.74
CA12-02	850	855	259.08	260.60	1.52	1.55	101.71	1.39	91.21
CA12-02	855	860	260.60	262.13	1.52	1.50	98.43	1.55	101.71
CA12-02	860	867	262.13	264.26	2.13	1.70	79.68	0.49	22.97
CA12-02	867	871	264.26	265.48	1.22	1.22	100.07	0.52	42.65
CA12-02	871	876	265.48	267.00	1.52	1.47	96.46	0.81	53.15
CA12-02	876	881	267.00	268.53	1.52	1.55	101.71	1.00	65.62
CA12-02	881	886	268.53	270.05	1.52	1.53	100.39	1.18	77.43
CA12-02	886	891	270.05	271.58	1.52	1.42	93.18	1.02	66.93
CA12-02	891	896	271.58	273.10	1.52	1.51	99.08	0.75	49.21
CA12-02	896	901	273.10	274.62	1.52	1.52	99.74	0.64	41.99
CA12-02	901	906	274.62	276.15	1.52	1.48	97.11	0.87	57.09
CA12-02	906	911	276.15	277.67	1.52	1.53	100.39	1.25	82.02
CA12-02	911	916	277.67	279.20	1.52	1.49	97.77	1.26	82.68
CA12-02	916	921	279.20	280.72	1.52	1.44	94.49	1.33	87.27
CA12-02	921	926	280.72	282.24	1.52	1.45	95.14	0.96	62.99
CA12-02	926	931	282.24	283.77	1.52	1.47	96.46	1.36	89.24
CA12-02	931	936	283.77	285.29	1.52	1.53	100.39	1.53	100.39
CA12-02	936	941	285.29	286.82	1.52	1.42	93.18	1.18	77.43
CA12-03	0	20	0.00	6.10	6.10		0.00		0.00
CA12-03	20	23	6.10	7.01	0.91	0.90	98.43	0.18	19.69
CA12-03	23	33	7.01	10.06	3.05	1.94	63.65	0.11	3.61
CA12-03	33	43	10.06	13.11	3.05	2.85	93.50	0.00	0.00
CA12-03	43	53	13.11	16.15	3.05	2.55	83.66	0.00	0.00
CA12-03	53	56	16.15	17.07	0.91	0.38	41.56	0.00	0.00
CA12-03	56	61	17.07	18.59	1.52	1.52	99.74	0.00	0.00
CA12-03	61	63	18.59	19.20	0.61	0.62	101.71	0.00	0.00
CA12-03	63	73	19.20	22.25	3.05	2.80	91.86	0.38	12.47
CA12-03	73	83	22.25	25.30	3.05	3.05	100.07	0.00	0.00
CA12-03	83	93	25.30	28.35	3.05	3.05	100.07	0.20	6.56
CA12-03	93	103	28.35	31.39	3.05	3.05	100.07	0.10	3.28
CA12-03	103	113	31.39	34.44	3.05	3.05	100.07	0.00	0.00
CA12-03	113	123	34.44	37.49	3.05	3.05	100.07	0.11	3.61
CA12-03	123	133	37.49	40.54	3.05	1.80	59.06	0.00	0.00
CA12-03	133	140	40.54	42.67	2.13	2.13	99.83	0.25	11.72
CA12-03	140	143	42.67	43.59	0.91	0.90	98.43	0.00	0.00
CA12-03	143	149	43.59	45.42	1.83	1.82	99.52	0.00	0.00

DDH	From (ft)	To (ft)	From (m)	To (m)	Length (m)	Measured Length (m)	% Recovery	Sum of >10cm core	RQD
CA12-03	149	153	45.42	46.63	1.22	1.22	100.07	0.00	0.00
CA12-03	153	163	46.63	49.68	3.05	3.05	100.07	0.00	0.00
CA12-03	163	171	49.68	52.12	2.44	1.84	75.46	0.90	36.91
CA12-03	171	173	52.12	52.73	0.61	0.62	101.71	0.27	44.29
CA12-03	173	183	52.73	55.78	3.05	3.05	100.07	0.95	31.17
CA12-03	183	193	55.78	58.83	3.05	3.05	100.07	0.57	18.70
CA12-03	193	198	58.83	60.35	1.52	1.52	99.74	0.58	38.06
CA12-03	198	203	60.35	61.87	1.52	1.52	99.74	0.53	34.78
CA12-03	203	213	61.87	64.92	3.05	3.05	100.07	0.22	7.22
CA12-03	213	218	64.92	66.45	1.52	1.52	99.74	0.00	0.00
CA12-03	218	223	66.45	67.97	1.52	1.52	99.74	0.00	0.00
CA12-03	223	233	67.97	71.02	3.05	3.05	100.07	0.00	0.00
CA12-03	233	243	71.02	74.07	3.05	3.05	100.07	0.00	0.00
CA12-03	243	253	74.07	77.11	3.05	3.05	100.07	0.00	0.00
CA12-03	253	263	77.11	80.16	3.05	3.05	100.07	0.00	0.00
CA12-03	263	273	80.16	83.21	3.05	3.05	100.07	0.33	10.83
CA12-03	273	283	83.21	86.26	3.05	3.05	100.07	1.22	40.03
CA12-03	283	293	86.26	89.31	3.05	3.05	100.07	0.65	21.33
CA12-03	293	303	89.31	92.35	3.05	3.05	100.07	1.47	48.23
CA12-03	303	308	92.35	93.88	1.52	1.52	99.74	0.50	32.81
CA12-03	308	313	93.88	95.40	1.52	1.52	99.74	0.40	26.25
CA12-03	313	318	95.40	96.93	1.52	1.52	99.74	0.70	45.93
CA12-03	318	323	96.93	98.45	1.52	1.52	99.74	0.63	41.34
CA12-03	323	328	98.45	99.97	1.52	1.52	99.74	0.81	53.15
CA12-03	328	333	99.97	101.50	1.52	1.46	95.80	0.14	9.19
CA12-03	333	338	101.50	103.02	1.52	1.52	99.74	0.42	27.56
CA12-03	338	343	103.02	104.55	1.52	1.52	99.74	0.54	35.43
CA12-03	343	348	104.55	106.07	1.52	1.52	99.74	0.36	23.62
CA12-03	348	353	106.07	107.59	1.52	1.42	93.18	1.10	72.18
CA12-03	353	358	107.59	109.12	1.52	1.52	99.74	1.35	88.58
CA12-03	358	363	109.12	110.64	1.52	1.65	108.27	1.34	87.93
CA12-03	363	373	110.64	113.69	3.05	3.00	98.43	0.86	28.22
CA12-03	373	381	113.69	116.13	2.44	2.30	94.32	0.96	39.37
CA12-03	381	383	116.13	116.74	0.61	0.62	101.71	0.62	101.71
CA12-03	383	388	116.74	118.26	1.52	1.52	99.74	0.35	22.97
CA12-03	388	393	118.26	119.79	1.52	1.52	99.74	0.90	59.06
CA12-03	393	398	119.79	121.31	1.52	1.52	99.74	0.62	40.68
CA12-03	398	403	121.31	122.83	1.52	1.52	99.74	0.63	41.34
CA12-03	403	408	122.83	124.36	1.52	1.52	99.74	0.70	45.93
CA12-03	408	413	124.36	125.88	1.52	1.52	99.74	1.00	65.62
CA12-03	413	418	125.88	127.41	1.52	1.52	99.74	0.60	39.37
CA12-03	418	423	127.41	128.93	1.52	1.52	99.74	1.05	68.90
CA12-03	423	428	128.93	130.45	1.52	1.52	99.74	0.89	58.40
CA12-03	428	433	130.45	131.98	1.52	1.49	97.77	1.14	74.80
CA12-03	433	438	131.98	133.50	1.52	1.48	97.11	1.03	67.59
CA12-03	438	443	133.50	135.03	1.52	1.52	99.74	0.70	45.93
CA12-03	443	448	135.03	136.55	1.52	1.52	99.74	0.57	37.40
CA12-03	448	453	136.55	138.07	1.52	1.45	95.14	0.53	34.78
CA12-03	453	458	138.07	139.60	1.52	1.52	99.74	0.29	19.03
CA12-03	458	463	139.60	141.12	1.52	1.52	99.74	0.60	39.37
CA12-03	463	468	141.12	142.65	1.52	1.52	99.74	0.33	21.65
CA12-03	468	473	142.65	144.17	1.52	1.46	95.80	0.37	24.28
CA12-03	473	478	144.17	145.69	1.52	1.52	99.74	1.04	68.24

DDH	From (ft)	To (ft)	From (m)	To (m)	Length (m)	Measured Length (m)	% Recovery	Sum of >10cm core	RQD
CA12-03	478	483	145.69	147.22	1.52	1.52	99.74	0.80	52.49
CA12-03	483	488	147.22	148.74	1.52	1.52	99.74	0.82	53.81
CA12-03	488	493	148.74	150.27	1.52	1.49	97.77	0.90	59.06
CA12-03	493	498	150.27	151.79	1.52	1.52	99.74	0.49	32.15
CA12-03	498	503	151.79	153.31	1.52	1.52	99.74	1.23	80.71
CA12-03	503	508	153.31	154.84	1.52	1.52	99.74	0.66	43.31
CA12-03	508	513	154.84	156.36	1.52	1.36	89.24	0.56	36.75
CA12-03	513	518	156.36	157.89	1.52	1.52	99.74	0.82	53.81
CA12-03	518	523	157.89	159.41	1.52	1.50	98.43	0.62	40.68
CA12-03	523	528	159.41	160.93	1.52	1.52	99.74	0.41	26.90
CA12-03	528	533	160.93	162.46	1.52	1.52	99.74	0.22	14.44
CA12-03	533	538	162.46	163.98	1.52	1.52	99.74	0.52	34.12
CA12-03	538	543	163.98	165.51	1.52	1.48	97.11	0.55	36.09
CA12-04	20	21	6.10	6.40	0.30	0.30	98.43	0.00	0.00
CA12-04	21	31	6.40	9.45	3.05	3.05	100.07	0.00	0.00
CA12-04	31	41	9.45	12.50	3.05	3.05	100.07	0.86	28.22
CA12-04	41	51	12.50	15.54	3.05	3.05	100.07	0.87	28.54
CA12-04	51	61	15.54	18.59	3.05	3.05	100.07	0.21	6.89
CA12-04	61	71	18.59	21.64	3.05	3.05	100.07	0.38	12.47
CA12-04	71	81	21.64	24.69	3.05	3.00	98.43	0.32	10.50
CA12-04	81	91	24.69	27.74	3.05	3.05	100.07	0.25	8.20
CA12-04	91	101	27.74	30.78	3.05	3.05	100.07	0.38	12.47
CA12-04	101	111	30.78	33.83	3.05	3.05	100.07	0.00	0.00
CA12-04	111	121	33.83	36.88	3.05	3.05	100.07	0.80	26.25
CA12-04	121	131	36.88	39.93	3.05	3.00	98.43	0.00	0.00
CA12-04	131	141	39.93	42.98	3.05	3.05	100.07	0.00	0.00
CA12-04	141	151	42.98	46.02	3.05	3.05	100.07	0.00	0.00
CA12-04	151	161	46.02	49.07	3.05	3.05	100.07	1.42	46.59
CA12-04	161	171	49.07	52.12	3.05	3.05	100.07	0.45	14.76
CA12-04	171	181	52.12	55.17	3.05	3.05	100.07	0.00	0.00
CA12-04	181	186	55.17	56.69	1.52	1.52	99.74	0.12	7.87
CA12-04	186	191	56.69	58.22	1.52	1.52	99.74	0.00	0.00
CA12-04	191	201	58.22	61.26	3.05	3.05	100.07	0.11	3.61
CA12-04	201	211	61.26	64.31	3.05	3.05	100.07	0.00	0.00
CA12-04	211	221	64.31	67.36	3.05	3.05	100.07	0.00	0.00
CA12-04	221	231	67.36	70.41	3.05	3.05	100.07	0.42	13.78
CA12-04	231	241	70.41	73.46	3.05	3.05	100.07	0.00	0.00
CA12-04	241	251	73.46	76.50	3.05	3.05	100.07	0.00	0.00
CA12-04	251	261	76.50	79.55	3.05	3.05	100.07	0.00	0.00
CA12-04	261	271	79.55	82.60	3.05	3.05	100.07	0.64	21.00
CA12-04	271	281	82.60	85.65	3.05	3.05	100.07	0.00	0.00
CA12-04	281	291	85.65	88.70	3.05	3.05	100.07	0.00	0.00
CA12-04	291	299	88.70	91.14	2.44	2.40	98.43	0.00	0.00
CA12-04	299	301	91.14	91.74	0.61	0.60	98.43	0.00	0.00
CA12-04	301	311	91.74	94.79	3.05	3.05	100.07	0.00	0.00
CA12-04	311	321	94.79	97.84	3.05	3.05	100.07	0.45	14.76
CA12-04	321	331	97.84	100.89	3.05	3.05	100.07	0.33	10.83
CA12-04	331	341	100.89	103.94	3.05	3.05	100.07	0.00	0.00
CA12-04	341	351	103.94	106.98	3.05	3.05	100.07	0.00	0.00
CA12-04	351	361	106.98	110.03	3.05	2.80	91.86	0.00	0.00
CA12-04	361	371	110.03	113.08	3.05	3.05	100.07	0.10	3.28
CA12-04	371	381	113.08	116.13	3.05	3.05	100.07	0.31	10.17
CA12-04	381	391	116.13	119.18	3.05	3.05	100.07	0.00	0.00

DDH	From (ft)	To (ft)	From (m)	To (m)	Length (m)	Measured Length (m)	% Recovery	Sum of >10cm core	RQD
CA12-04	391	401	119.18	122.22	3.05	3.05	100.07	0.00	0.00
CA12-04	401	411	122.22	125.27	3.05	3.05	100.07	0.10	3.28
CA12-04	411	421	125.27	128.32	3.05	3.05	100.07	0.00	0.00
CA12-04	421	431	128.32	131.37	3.05	3.05	100.07	0.00	0.00
CA12-04	431	441	131.37	134.42	3.05	3.05	100.07	0.77	25.26
CA12-04	441	451	134.42	137.46	3.05	3.05	100.07	0.17	5.58
CA12-04	451	461	137.46	140.51	3.05	3.05	100.07	0.00	0.00
CA12-04	461	466	140.51	142.04	1.52	1.20	78.74	0.11	7.22
CA12-04	466	471	142.04	143.56	1.52	1.52	99.74	0.47	30.84
CA12-04	471	476	143.56	145.08	1.52	1.52	99.74	0.45	29.53
CA12-04	476	481	145.08	146.61	1.52	1.52	99.74	0.34	22.31
CA12-04	481	486	146.61	148.13	1.52	1.52	99.74	0.33	21.65
CA12-04	486	491	148.13	149.66	1.52	1.52	99.74	0.00	0.00
CA12-04	491	496	149.66	151.18	1.52	1.52	99.74	0.00	0.00
CA12-04	496	501	151.18	152.70	1.52	1.52	99.74	0.22	14.44
CA12-04	501	506	152.70	154.23	1.52	1.52	99.74	0.46	30.18
CA12-04	506	511	154.23	155.75	1.52	1.50	98.43	0.22	14.44
CA12-04	511	516	155.75	157.28	1.52	1.52	99.74	0.59	38.71
CA12-04	516	521	157.28	158.80	1.52	1.44	94.49	0.25	16.40
CA12-04	521	528	158.80	160.93	2.13	1.80	84.36	0.00	0.00
CA12-04	528	531	160.93	161.85	0.91	0.90	98.43	0.34	37.18
CA12-04	531	536	161.85	163.37	1.52	1.52	99.74	0.62	40.68
CA12-04	536	541	163.37	164.90	1.52	1.50	98.43	0.72	47.24
CA12-04	541	546	164.90	166.42	1.52	1.49	97.77	0.37	24.28
CA12-04	546	551	166.42	167.94	1.52	1.52	99.74	0.33	21.65
CA12-04	551	556	167.94	169.47	1.52	1.52	99.74	0.89	58.40
CA12-04	556	561	169.47	170.99	1.52	1.52	99.74	0.11	7.22
CA12-04	561	566	170.99	172.52	1.52	1.52	99.74	0.60	39.37
CA12-04	566	571	172.52	174.04	1.52	1.52	99.74	0.90	59.06
CA12-04	571	576	174.04	175.56	1.52	1.52	99.74	0.24	15.75
CA12-04	576	581	175.56	177.09	1.52	1.52	99.74	0.78	51.18
CA12-04	581	586	177.09	178.61	1.52	1.52	99.74	0.42	27.56
CA12-04	586	591	178.61	180.14	1.52	1.45	95.14	0.77	50.52
CA12-04	591	596	180.14	181.66	1.52	1.52	99.74	0.76	49.87
CA12-04	596	601	181.66	183.18	1.52	1.38	90.55	0.62	40.68
CA12-04	601	606	183.18	184.71	1.52	1.52	99.74	0.43	28.22
CA12-04	606	611	184.71	186.23	1.52	1.52	99.74	0.45	29.53
CA12-04	611	616	186.23	187.76	1.52	1.52	99.74	1.00	65.62
CA12-04	616	621	187.76	189.28	1.52	1.52	99.74	0.81	53.15
CA12-04	621	626	189.28	190.80	1.52	1.52	99.74	0.25	16.40
CA12-04	626	629	190.80	191.72	0.91	0.42	45.93	0.00	0.00
CA12-04	629	634	191.72	193.24	1.52	1.52	99.74	0.34	22.31
CA12-04	634	639	193.24	194.77	1.52	1.52	99.74	0.35	22.97
CA12-04	639	641	194.77	195.38	0.61	0.45	73.82	0.14	22.97
CA12-04	641	651	195.38	198.42	3.05	3.05	100.07	0.39	12.80
CA12-04	651	661	198.42	201.47	3.05	3.05	100.07	0.17	5.58
CA12-04	661	671	201.47	204.52	3.05	3.05	100.07	0.65	21.33
CA12-04	671	681	204.52	207.57	3.05	3.05	100.07	1.52	49.87
CA12-04	681	691	207.57	210.62	3.05	3.05	100.07	0.80	26.25
CA12-04	691	701	210.62	213.66	3.05	3.05	100.07	0.63	20.67
CA12-04	701	706	213.66	215.19	1.52	1.35	88.58	0.00	0.00
CA12-04	706	714	215.19	217.63	2.44	2.20	90.22	0.20	8.20
CA12-04	714	721	217.63	219.76	2.13	2.10	98.43	0.23	10.78

DDH	From (ft)	To (ft)	From (m)	To (m)	Length (m)	Measured Length (m)	% Recovery	Sum of >10cm core	RQD
CA12-04	721	726	219.76	221.28	1.52	1.52	99.74	0.20	13.12
CA12-04	726	736	221.28	224.33	3.05	3.05	100.07	0.98	32.15
CA12-04	736	744	224.33	226.77	2.44	2.45	100.48	0.74	30.35
CA12-04	744	749	226.77	228.30	1.52	1.25	82.02	0.00	0.00
CA12-04	749	756	228.30	230.43	2.13	2.15	100.77	0.86	40.31
CA12-04	756	766	230.43	233.48	3.05	3.05	100.07	0.50	16.40
CA12-04	766	776	233.48	236.52	3.05	3.05	100.07	0.55	18.04
CA12-04	776	786	236.52	239.57	3.05	3.05	100.07	0.46	15.09
CA12-04	786	796	239.57	242.62	3.05	3.05	100.07	0.40	13.12
CA12-04	796	806	242.62	245.67	3.05	2.92	95.80	2.30	75.46
CA12-04	806	816	245.67	248.72	3.05	3.05	100.07	1.87	61.35
CA12-04	816	826	248.72	251.76	3.05	3.05	100.07	0.30	9.84
CA12-04	826	836	251.76	254.81	3.05	3.05	100.07	1.50	49.21
CA12-04	836	846	254.81	257.86	3.05	3.05	100.07	2.91	95.47
CA12-04	846	856	257.86	260.91	3.05	3.00	98.43	2.77	90.88
CA12-04	856	866	260.91	263.96	3.05	3.02	99.08	2.87	94.16
CA12-04	866	876	263.96	267.00	3.05	2.90	95.14	1.63	53.48
CA12-04	876	884	267.00	269.44	2.44	2.44	100.07	0.48	19.69
CA12-04	884	887	269.44	270.36	0.91	0.75	82.02	0.00	0.00
CA12-04	887	896	270.36	273.10	2.74	2.80	102.07	2.04	74.37
CA12-04	896	906	273.10	276.15	3.05	3.05	100.07	2.72	89.24
CA12-04	906	916	276.15	279.20	3.05	3.05	100.07	2.95	96.78
CA12-04	916	926	279.20	282.24	3.05	3.05	100.07	2.63	86.29
CA12-04	926	936	282.24	285.29	3.05	3.05	100.07	2.97	97.44
CA12-04	936	946	285.29	288.34	3.05	2.93	96.13	2.75	90.22
CA12-04	946	956	288.34	291.39	3.05	3.05	100.07	2.80	91.86
CA12-04	956	964	291.39	293.83	2.44	2.40	98.43	0.72	29.53
CA12-04	964	970	293.83	295.66	1.83	1.50	82.02	0.63	34.45
CA12-04	970	975	295.66	297.18	1.52	1.05	68.90	0.10	6.56
CA12-04	975	984	297.18	299.92	2.74	2.40	87.49	0.17	6.20
CA12-04	984	986	299.92	300.53	0.61	0.63	103.35	0.00	0.00
CA12-04	986	992	300.53	302.36	1.83	1.80	98.43	0.33	18.04
CA12-04	992	997	302.36	303.89	1.52	1.40	91.86	0.71	46.59
CA12-04	997	1004	303.89	306.02	2.13	2.00	93.74	0.10	4.69
CA12-04	1004	1008	306.02	307.24	1.22	1.00	82.02	0.12	9.84
CA12-04	1008	1016	307.24	309.68	2.44	2.40	98.43	0.70	28.71
CA12-04	1016	1026	309.68	312.72	3.05	3.05	100.07	1.74	57.09
CA12-04	1026	1036	312.72	315.77	3.05	3.05	100.07	0.30	9.84
CA12-04	1036	1044	315.77	318.21	2.44	2.50	102.53	1.36	55.77
CA12-04	1044	1055	318.21	321.56	3.35	3.40	101.41	0.62	18.49
CA12-04	1055	1065	321.56	324.61	3.05	3.05	100.07	1.11	36.42
CA12-04	1065	1069	324.61	325.83	1.22	1.52	124.67	0.52	42.65
CA12-04	1069	1074	325.83	327.36	1.52	1.52	99.74	0.00	0.00
CA12-05	20	22	6.10	6.71	0.61	0.61	100.07	0.00	0.00
CA12-05	22	27	6.71	8.23	1.52	1.40	91.86	0.37	24.28
CA12-05	27	32	8.23	9.75	1.52	1.52	99.74	0.00	0.00
CA12-05	32	37	9.75	11.28	1.52	1.52	99.74	0.00	0.00
CA12-05	37	42	11.28	12.80	1.52	1.48	97.11	0.14	9.19
CA12-05	42	47	12.80	14.33	1.52	1.52	99.74	0.64	41.99
CA12-05	47	52	14.33	15.85	1.52	1.37	89.90	0.25	16.40
CA12-05	52	62	15.85	18.90	3.05	3.05	100.07	0.46	15.09
CA12-05	62	72	18.90	21.95	3.05	3.00	98.43	0.00	0.00
CA12-05	72	82	21.95	24.99	3.05	3.05	100.07	0.24	7.87

DDH	From (ft)	To (ft)	From (m)	To (m)	Length (m)	Measured Length (m)	% Recovery	Sum of >10cm core	RQD
CA12-05	82	92	24.99	28.04	3.05	3.05	100.07	0.11	3.61
CA12-05	92	102	28.04	31.09	3.05	3.05	100.07	1.16	38.06
CA12-05	102	112	31.09	34.14	3.05	3.05	100.07	0.50	16.40
CA12-05	112	122	34.14	37.19	3.05	3.05	100.07	0.11	3.61
CA12-05	122	132	37.19	40.23	3.05	3.05	100.07	0.00	0.00
CA12-05	132	142	40.23	43.28	3.05	3.05	100.07	0.95	31.17
CA12-05	142	152	43.28	46.33	3.05	3.05	100.07	0.54	17.72
CA12-05	152	162	46.33	49.38	3.05	3.00	98.43	1.12	36.75
CA12-05	162	172	49.38	52.43	3.05	3.05	100.07	1.14	37.40
CA12-05	172	182	52.43	55.47	3.05	3.05	100.07	0.57	18.70
CA12-05	182	192	55.47	58.52	3.05	2.60	85.30	0.43	14.11
CA12-05	192	202	58.52	61.57	3.05	2.24	73.49	0.19	6.23
CA12-05	202	206	61.57	62.79	1.22	0.10	8.20	0.00	0.00
CA12-05	206	212	62.79	64.62	1.83	0.20	10.94	0.00	0.00
CA12-05	212	215	64.62	65.53	0.91	0.52	56.87	0.00	0.00
CA12-05	215	216	65.53	65.84	0.30	0.37	121.39	0.00	0.00
CA12-05	216	218	65.84	66.45	0.61	0.61	100.07	0.00	0.00
CA12-05	218	220	66.45	67.06	0.61	0.46	75.46	0.00	0.00
CA12-05	220	222	67.06	67.67	0.61	0.81	132.87	0.00	0.00
CA12-05	222	224	67.67	68.28	0.61	0.75	123.03	0.00	0.00
CA12-05	224	226	68.28	68.88	0.61	0.69	113.19	0.00	0.00
CA12-05	226	227	68.88	69.19	0.30	0.43	141.08	0.00	0.00
CA12-05	227	228	69.19	69.49	0.30	0.00	0.00	0.00	0.00
CA12-05	228	229	69.49	69.80	0.30	0.12	39.37	0.00	0.00
CA12-05	229	230	69.80	70.10	0.30	0.32	104.99	0.00	0.00
CA12-05	230	232	70.10	70.71	0.61	0.51	83.66	0.00	0.00
CA12-05	232	236	70.71	71.93	1.22	1.16	95.14	0.52	42.65
CA12-05	236	238	71.93	72.54	0.61	0.92	150.92	0.00	0.00
CA12-05	238	241	72.54	73.46	0.91	0.74	80.93	0.00	0.00
CA12-05	241	244	73.46	74.37	0.91	0.82	89.68	0.00	0.00
CA12-05	244	252	74.37	76.81	2.44	2.41	98.84	0.12	4.92
CA12-05	252	262	76.81	79.86	3.05	3.00	98.43	0.58	19.03
CA12-05	262	272	79.86	82.91	3.05	3.05	100.07	0.38	12.47
CA12-05	272	277	82.91	84.43	1.52	1.52	99.74	0.44	28.87
CA12-05	277	282	84.43	85.95	1.52	1.52	99.74	0.82	53.81
CA12-05	282	287	85.95	87.48	1.52	1.46	95.80	0.80	52.49
CA12-05	287	292	87.48	89.00	1.52	1.52	99.74	0.60	39.37
CA12-05	292	302	89.00	92.05	3.05	3.05	100.07	2.50	82.02
CA12-05	302	312	92.05	95.10	3.05	3.05	100.07	0.67	21.98
CA12-05	312	322	95.10	98.15	3.05	3.05	100.07	0.73	23.95
CA12-05	322	332	98.15	101.19	3.05	2.99	98.10	1.56	51.18
CA12-05	332	342	101.19	104.24	3.05	2.50	82.02	0.00	0.00
CA12-05	342	352	104.24	107.29	3.05	2.90	95.14	0.10	3.28
CA12-05	352	358	107.29	109.12	1.83	1.31	71.63	0.00	0.00
CA12-05	358	362	109.12	110.34	1.22	1.03	84.48	0.13	10.66
CA12-05	362	372	110.34	113.39	3.05	2.79	91.54	0.00	0.00
CA12-05	372	382	113.39	116.43	3.05	2.44	80.05	0.00	0.00
CA12-05	382	392	116.43	119.48	3.05	2.60	85.30	0.19	6.23
CA12-05	392	402	119.48	122.53	3.05	2.73	89.57	0.59	19.36
CA12-05	402	412	122.53	125.58	3.05	3.00	98.43	0.35	11.48
CA12-05	412	422	125.58	128.63	3.05	2.78	91.21	0.46	15.09
CA12-05	422	432	128.63	131.67	3.05	2.99	98.10	0.85	27.89
CA12-05	432	442	131.67	134.72	3.05	3.04	99.74	2.40	78.74

DDH	From (ft)	To (ft)	From (m)	To (m)	Length (m)	Measured Length (m)	% Recovery	Sum of >10cm core	RQD
CA12-05	442	447	134.72	136.25	1.52	1.51	99.08	0.59	38.71
CA12-05	447	452	136.25	137.77	1.52	1.48	97.11	1.12	73.49
CA12-05	452	457	137.77	139.29	1.52	1.32	86.61	0.88	57.74
CA12-05	457	462	139.29	140.82	1.52	1.52	99.74	0.21	13.78
CA12-05	462	471	140.82	143.56	2.74	2.74	99.88	0.27	9.84
CA12-05	471	477	143.56	145.39	1.83	1.72	94.05	0.29	15.86
CA12-05	477	482	145.39	146.91	1.52	1.52	99.74	0.48	31.50
CA12-05	482	487	146.91	148.44	1.52	1.52	99.74	0.12	7.87
CA12-05	487	492	148.44	149.96	1.52	1.52	99.74	0.10	6.56
CA12-05	492	502	149.96	153.01	3.05	3.05	100.07	0.00	0.00
CA12-05	502	512	153.01	156.06	3.05	3.05	100.07	0.36	11.81
CA12-05	512	522	156.06	159.11	3.05	2.92	95.80	0.14	4.59
CA12-05	522	532	159.11	162.15	3.05	3.05	100.07	1.04	34.12
CA12-05	532	537	162.15	163.68	1.52	1.61	105.64	1.18	77.43
CA12-05	537	542	163.68	165.20	1.52	1.52	99.74	1.01	66.27
CA12-05	542	547	165.20	166.73	1.52	1.52	99.74	0.39	25.59
CA12-05	547	552	166.73	168.25	1.52	1.52	99.74	0.28	18.37
CA12-05	552	562	168.25	171.30	3.05	3.05	100.07	0.36	11.81
CA12-05	562	570	171.30	173.74	2.44	2.44	100.07	0.29	11.89
CA12-05	570	575	173.74	175.26	1.52	1.39	91.21	0.00	0.00
CA12-05	575	582	175.26	177.39	2.13	2.13	99.83	0.11	5.16
CA12-05	582	591	177.39	180.14	2.74	2.74	99.88	0.00	0.00
CA12-05	591	597	180.14	181.97	1.83	1.83	100.07	0.00	0.00
CA12-05	597	602	181.97	183.49	1.52	1.52	99.74	0.00	0.00
CA12-05	602	612	183.49	186.54	3.05	3.05	100.07	0.00	0.00
CA12-05	612	622	186.54	189.59	3.05	3.05	100.07	0.00	0.00
CA12-05	622	632	189.59	192.63	3.05	3.05	100.07	0.00	0.00
CA12-05	632	642	192.63	195.68	3.05	3.05	100.07	0.10	3.28
CA12-05	642	652	195.68	198.73	3.05	3.05	100.07	0.25	8.20
CA12-05	652	662	198.73	201.78	3.05	3.05	100.07	0.00	0.00
CA12-05	662	672	201.78	204.83	3.05	3.05	100.07	1.52	49.87
CA12-05	672	676	204.83	206.04	1.22	1.20	98.43	0.18	14.76
CA12-05	676	681	206.04	207.57	1.52	1.45	95.14	0.21	13.78
CA12-05	681	691	207.57	210.62	3.05	3.00	98.43	0.24	7.87
CA12-05	691	702	210.62	213.97	3.35	3.10	92.46	0.10	2.98
CA12-05	702	712	213.97	217.02	3.05	3.05	100.07	0.12	3.94
CA12-05	712	722	217.02	220.07	3.05	3.05	100.07	0.00	0.00
CA12-05	722	732	220.07	223.11	3.05	3.05	100.07	0.10	3.28
CA12-05	732	737	223.11	224.64	1.52	1.52	99.74	0.10	6.56
CA12-05	737	742	224.64	226.16	1.52	1.52	99.74	0.00	0.00
CA12-05	742	747	226.16	227.69	1.52	1.52	99.74	0.10	6.56
CA12-05	747	752	227.69	229.21	1.52	1.52	99.74	0.00	0.00
CA12-05	752	757	229.21	230.73	1.52	1.52	99.74	0.20	13.12
CA12-05	757	762	230.73	232.26	1.52	1.45	95.14	0.40	26.25
CA12-05	762	767	232.26	233.78	1.52	1.45	95.14	0.36	23.62
CA12-05	767	772	233.78	235.31	1.52	1.52	99.74	0.10	6.56
CA12-05	772	777	235.31	236.83	1.52	1.37	89.90	0.00	0.00
CA12-05	777	782	236.83	238.35	1.52	1.40	91.86	0.00	0.00
CA12-05	782	787	238.35	239.88	1.52	1.52	99.74	0.00	0.00
CA12-05	787	792	239.88	241.40	1.52	1.52	99.74	0.00	0.00
CA12-05	792	797	241.40	242.93	1.52	1.52	99.74	0.00	0.00
CA12-05	797	802	242.93	244.45	1.52	1.52	99.74	0.00	0.00
CA12-05	802	807	244.45	245.97	1.52	1.52	99.74	0.00	0.00

DDH	From (ft)	To (ft)	From (m)	To (m)	Length (m)	Measured Length (m)	% Recovery	Sum of >10cm core	RQD
CA12-05	807	812	245.97	247.50	1.52	1.52	99.74	0.00	0.00
CA12-05	812	817	247.50	249.02	1.52	1.52	99.74	0.00	0.00
CA12-05	817	822	249.02	250.55	1.52	1.45	95.14	0.00	0.00
CA12-05	822	827	250.55	252.07	1.52	1.52	99.74	0.33	21.65
CA12-05	827	832	252.07	253.59	1.52	1.48	97.11	0.66	43.31
CA12-05	832	837	253.59	255.12	1.52	1.52	99.74	0.72	47.24
CA12-05	837	842	255.12	256.64	1.52	1.52	99.74	0.79	51.84
CA12-05	842	847	256.64	258.17	1.52	1.52	99.74	0.62	40.68
CA12-05	847	852	258.17	259.69	1.52	1.40	91.86	0.68	44.62
CA12-05	852	857	259.69	261.21	1.52	1.48	97.11	0.77	50.52
CA12-05	857	862	261.21	262.74	1.52	1.52	99.74	0.60	39.37
CA12-05	862	867	262.74	264.26	1.52	1.52	99.74	0.60	39.37
CA12-05	867	872	264.26	265.79	1.52	1.48	97.11	0.56	36.75
CA12-05	872	877	265.79	267.31	1.52	1.48	97.11	0.42	27.56
CA12-05	877	882	267.31	268.83	1.52	1.42	93.18	0.53	34.78
CA12-05	882	887	268.83	270.36	1.52	1.52	99.74	0.44	28.87
CA12-05	887	892	270.36	271.88	1.52	1.52	99.74	0.51	33.46
CA12-05	892	902	271.88	274.93	3.05	2.45	80.38	0.42	13.78
CA12-05	902	912	274.93	277.98	3.05	2.90	95.14	0.80	26.25
CA12-05	912	922	277.98	281.03	3.05	2.92	95.80	0.70	22.97
CA12-05	922	932	281.03	284.07	3.05	2.95	96.78	0.00	0.00
CA12-05	932	942	284.07	287.12	3.05	2.60	85.30	0.13	4.27
CA12-05	942	952	287.12	290.17	3.05	2.94	96.46	1.14	37.40
CA12-05	952	962	290.17	293.22	3.05	2.90	95.14	0.91	29.86
CA12-05	962	972	293.22	296.27	3.05	2.63	86.29	0.00	0.00
CA12-05	972	982	296.27	299.31	3.05	2.65	86.94	0.18	5.91
CA12-05	982	992	299.31	302.36	3.05	2.98	97.77	1.02	33.46
CA12-05	992	997	302.36	303.89	1.52	1.28	83.99	0.43	28.22
CA12-05	997	1002	303.89	305.41	1.52	1.50	98.43	0.60	39.37
CA12-05	1002	1007	305.41	306.93	1.52	1.35	88.58	0.42	27.56
CA12-05	1007	1010	306.93	307.85	0.91	0.83	90.77	0.10	10.94
CA12-05	1010	1013	307.85	308.76	0.91	0.80	87.49	0.00	0.00
CA12-05	1013	1018	308.76	310.29	1.52	1.30	85.30	0.00	0.00
CA12-05	1018	1022	310.29	311.51	1.22	1.22	100.07	0.10	8.20
CA12-05	1022	1027	311.51	313.03	1.52	1.36	89.24	0.54	35.43
CA12-05	1027	1032	313.03	314.55	1.52	1.44	94.49	0.29	19.03
CA12-05	1032	1037	314.55	316.08	1.52	1.45	95.14	0.12	7.87
CA12-05	1037	1042	316.08	317.60	1.52	1.50	98.43	0.12	7.87
CA12-05	1042	1047	317.60	319.13	1.52	1.25	82.02	0.00	0.00
CA12-05	1047	1052	319.13	320.65	1.52	1.27	83.33	0.00	0.00
CA12-05	1052	1057	320.65	322.17	1.52	1.41	92.52	0.00	0.00
CA12-05	1057	1062	322.17	323.70	1.52	1.30	85.30	0.12	7.87
CA12-05	1062	1067	323.70	325.22	1.52	1.46	95.80	0.74	48.56
CA12-05	1067	1072	325.22	326.75	1.52	1.52	99.74	1.16	76.12
CA12-05	1072	1077	326.75	328.27	1.52	1.50	98.43	0.95	62.34
CA12-05	1077	1082	328.27	329.79	1.52	1.40	91.86	1.12	73.49
CA12-05	1082	1087	329.79	331.32	1.52	1.50	98.43	0.81	53.15
CA12-05	1087	1092	331.32	332.84	1.52	1.48	97.11	0.95	62.34
CA12-05	1092	1097	332.84	334.37	1.52	1.52	99.74	1.02	66.93
CA12-05	1097	1102	334.37	335.89	1.52	1.42	93.18	0.70	45.93
CA12-05	1102	1107	335.89	337.41	1.52	1.52	99.74	0.50	32.81
CA12-06	21	26	6.40	7.92	1.52	1.44	94.49	0.35	22.97
CA12-06	26	31	7.92	9.45	1.52	1.35	88.58	0.30	19.69

DDH	From (ft)	To (ft)	From (m)	To (m)	Length (m)	Measured Length (m)	% Recovery	Sum of >10cm core	RQD
CA12-06	31	36	9.45	10.97	1.52	1.43	93.83	0.37	24.28
CA12-06	36	41	10.97	12.50	1.52	1.47	96.46	0.49	32.15
CA12-06	41	46	12.50	14.02	1.52	1.52	99.74	0.13	8.53
CA12-06	46	51	14.02	15.54	1.52	1.39	91.21	0.90	59.06
CA12-06	51	56	15.54	17.07	1.52	1.48	97.11	0.58	38.06
CA12-06	56	61	17.07	18.59	1.52	1.40	91.86	0.46	30.18
CA12-06	61	66	18.59	20.12	1.52	1.45	95.14	0.26	17.06
CA12-06	66	71	20.12	21.64	1.52	1.22	80.05	0.10	6.56
CA12-06	71	76	21.64	23.16	1.52	1.50	98.43	0.00	0.00
CA12-06	76	81	23.16	24.69	1.52	1.48	97.11	0.72	47.24
CA12-06	81	86	24.69	26.21	1.52	1.52	99.74	0.51	33.46
CA12-06	86	91	26.21	27.74	1.52	1.44	94.49	0.10	6.56
CA12-06	91	96	27.74	29.26	1.52	1.52	99.74	0.20	13.12
CA12-06	96	101	29.26	30.78	1.52	1.40	91.86	0.43	28.22
CA12-06	101	106	30.78	32.31	1.52	1.44	94.49	0.10	6.56
CA12-06	106	111	32.31	33.83	1.52	1.38	90.55	0.33	21.65
CA12-06	111	116	33.83	35.36	1.52	1.50	98.43	0.42	27.56
CA12-06	116	121	35.36	36.88	1.52	1.45	95.14	0.35	22.97
CA12-06	121	126	36.88	38.40	1.52	1.44	94.49	0.41	26.90
CA12-06	126	131	38.40	39.93	1.52	1.46	95.80	0.70	45.93
CA12-06	131	136	39.93	41.45	1.52	1.38	90.55	0.62	40.68
CA12-06	136	141	41.45	42.98	1.52	1.51	99.08	0.64	41.99
CA12-06	141	146	42.98	44.50	1.52	1.52	99.74	0.39	25.59
CA12-06	146	151	44.50	46.02	1.52	1.52	99.74	0.90	59.06
CA12-06	151	156	46.02	47.55	1.52	1.43	93.83	0.11	7.22
CA12-06	156	161	47.55	49.07	1.52	1.42	93.18	0.11	7.22
CA12-06	161	166	49.07	50.60	1.52	1.52	99.74	0.22	14.44
CA12-06	166	171	50.60	52.12	1.52	0.15	9.65	0.00	0.00
CA12-06	171	176	52.12	53.64	1.52	0.15	9.51	0.28	18.37
CA12-06	176	181	53.64	55.17	1.52	1.52	99.74	0.46	30.18
CA12-06	181	186	55.17	56.69	1.52	1.49	97.77	0.00	0.00
CA12-06	186	191	56.69	58.22	1.52	1.48	97.11	0.41	26.90
CA12-06	191	196	58.22	59.74	1.52	1.40	91.86	0.36	23.62
CA12-06	196	201	59.74	61.26	1.52	1.39	91.21	0.49	32.15
CA12-06	201	206	61.26	62.79	1.52	1.52	99.74	0.12	7.87
CA12-06	206	211	62.79	64.31	1.52	1.47	96.46	0.98	64.30
CA12-06	211	216	64.31	65.84	1.52	1.50	98.43	0.23	15.09
CA12-06	216	221	65.84	67.36	1.52	1.40	91.86	0.26	17.06
CA12-06	221	226	67.36	68.88	1.52	1.52	99.74	0.00	0.00
CA12-06	226	231	68.88	70.41	1.52	1.39	91.21	0.15	9.84
CA12-06	231	236	70.41	71.93	1.52	1.45	95.14	0.00	0.00
CA12-06	236	241	71.93	73.46	1.52	1.46	95.80	0.00	0.00
CA12-06	241	246	73.46	74.98	1.52	1.52	99.74	0.00	0.00
CA12-06	246	251	74.98	76.50	1.52	1.46	95.80	0.00	0.00
CA12-06	251	256	76.50	78.03	1.52	1.49	97.77	0.00	0.00
CA12-06	256	261	78.03	79.55	1.52	1.48	97.11	0.50	32.81
CA12-06	261	266	79.55	81.08	1.52	1.52	99.74	0.00	0.00
CA12-06	266	271	81.08	82.60	1.52	1.40	91.86	0.00	0.00
CA12-06	271	276	82.60	84.12	1.52	1.52	99.74	0.20	13.12
CA12-06	276	281	84.12	85.65	1.52	1.48	97.11	0.19	12.47
CA12-06	281	286	85.65	87.17	1.52	1.49	97.77	0.18	11.81
CA12-06	286	291	87.17	88.70	1.52	1.52	99.74	0.10	6.56
CA12-06	291	296	88.70	90.22	1.52	1.50	98.43	0.10	6.56

DDH	From (ft)	To (ft)	From (m)	To (m)	Length (m)	Measured Length (m)	% Recovery	Sum of >10cm core	RQD
CA12-06	296	301	90.22	91.74	1.52	1.41	92.52	0.10	6.56
CA12-06	301	306	91.74	93.27	1.52	1.52	99.74	0.14	9.19
CA12-06	306	311	93.27	94.79	1.52	1.43	93.83	0.14	9.19
CA12-06	311	316	94.79	96.32	1.52	1.40	91.86	0.13	8.53
CA12-06	316	321	96.32	97.84	1.52	1.45	95.14	0.33	21.65
CA12-06	321	326	97.84	99.36	1.52	1.40	91.86	0.64	41.99
CA12-06	326	331	99.36	100.89	1.52	1.30	85.30	0.25	16.40
CA12-06	331	336	100.89	102.41	1.52	1.52	99.74	0.00	0.00
CA12-06	336	341	102.41	103.94	1.52	1.50	98.43	0.00	0.00
CA12-06	341	345	103.94	105.16	1.22	1.30	106.63	0.00	0.00
CA12-06	345	351	105.16	106.98	1.83	1.55	84.76	0.00	0.00
CA12-06	351	356	106.98	108.51	1.52	1.40	91.86	0.00	0.00
CA12-06	356	361	108.51	110.03	1.52	1.48	97.11	0.00	0.00
CA12-06	361	366	110.03	111.56	1.52	1.50	98.43	0.10	6.56
CA12-06	366	371	111.56	113.08	1.52	1.40	91.86	0.00	0.00
CA12-06	371	376	113.08	114.60	1.52	1.45	95.14	0.00	0.00
CA12-06	376	381	114.60	116.13	1.52	1.45	95.14	0.00	0.00
CA12-06	381	386	116.13	117.65	1.52	1.50	98.43	0.00	0.00
CA12-06	386	391	117.65	119.18	1.52	1.40	91.86	0.36	23.62
CA12-06	391	396	119.18	120.70	1.52	1.52	99.74	0.10	6.56
CA12-06	396	401	120.70	122.22	1.52	1.50	98.43	0.95	62.34
CA12-06	401	406	122.22	123.75	1.52	1.52	99.74	1.20	78.74
CA12-06	406	411	123.75	125.27	1.52	1.49	97.77	0.24	15.75
CA12-06	411	416	125.27	126.80	1.52	1.47	96.46	0.90	59.06
CA12-06	416	421	126.80	128.32	1.52	1.37	89.90	0.56	36.75
CA12-06	421	426	128.32	129.84	1.52	1.46	95.80	0.44	28.87
CA12-06	426	431	129.84	131.37	1.52	1.50	98.43	0.45	29.53
CA12-06	431	436	131.37	132.89	1.52	1.37	89.90	0.00	0.00
CA12-06	436	441	132.89	134.42	1.52	1.40	91.86	0.79	51.84
CA12-06	441	446	134.42	135.94	1.52	1.50	98.43	0.32	21.00
CA12-06	446	451	135.94	137.46	1.52	1.47	96.46	0.58	38.06
CA12-06	451	456	137.46	138.99	1.52	1.50	98.43	0.00	0.00
CA12-06	456	461	138.99	140.51	1.52	1.37	89.90	0.77	50.52
CA12-06	461	466	140.51	142.04	1.52	1.52	99.74	0.49	32.15
CA12-06	466	471	142.04	143.56	1.52	1.40	91.86	0.70	45.93
CA12-06	471	476	143.56	145.08	1.52	1.47	96.46	0.34	22.31
CA12-06	476	481	145.08	146.61	1.52	1.33	87.27	0.10	6.56
CA12-06	481	486	146.61	148.13	1.52	1.38	90.55	0.11	7.22
CA12-06	486	491	148.13	149.66	1.52	1.46	95.80	0.15	9.84
CA12-06	491	496	149.66	151.18	1.52	1.42	93.18	0.19	12.47
CA12-06	496	501	151.18	152.70	1.52	1.46	95.80	0.15	9.84
CA12-06	501	506	152.70	154.23	1.52	1.40	91.86	0.54	35.43
CA12-06	506	511	154.23	155.75	1.52	1.40	91.86	0.43	28.22
CA12-06	511	516	155.75	157.28	1.52	1.34	87.93	0.16	10.50
CA12-06	516	521	157.28	158.80	1.52	1.52	99.74	1.00	65.62
CA12-06	521	526	158.80	160.32	1.52	1.52	99.74	0.84	55.12
CA12-06	526	531	160.32	161.85	1.52	1.52	99.74	1.12	73.49
CA12-06	531	536	161.85	163.37	1.52	1.47	96.46	0.30	19.69
CA12-06	536	541	163.37	164.90	1.52	1.44	94.49	0.58	38.06
CA12-06	541	546	164.90	166.42	1.52	1.50	98.43	0.78	51.18
CA12-06	546	551	166.42	167.94	1.52	1.35	88.58	1.30	85.30
CA12-06	551	556	167.94	169.47	1.52	1.47	96.46	0.20	13.12
CA12-06	556	561	169.47	170.99	1.52	1.42	93.18	0.96	62.99

DDH	From (ft)	To (ft)	From (m)	To (m)	Length (m)	Measured Length (m)	% Recovery	Sum of >10cm core	RQD
CA12-06	561	566	170.99	172.52	1.52	1.55	101.71	0.49	32.15
CA12-06	566	571	172.52	174.04	1.52	1.52	99.74	0.11	7.22
CA12-06	571	576	174.04	175.56	1.52	1.46	95.80	0.00	0.00
CA12-06	576	581	175.56	177.09	1.52	1.40	91.86	0.10	6.56
CA12-06	581	586	177.09	178.61	1.52	1.50	98.43	0.00	0.00
CA12-06	586	591	178.61	180.14	1.52	1.43	93.83	0.82	53.81
CA12-06	591	596	180.14	181.66	1.52	1.44	94.49	0.42	27.56
CA12-06	596	601	181.66	183.18	1.52	1.52	99.74	0.70	45.93
CA12-06	601	606	183.18	184.71	1.52	1.50	98.43	0.00	0.00
CA12-06	606	611	184.71	186.23	1.52	1.50	98.43	0.00	0.00
CA12-06	611	616	186.23	187.76	1.52	1.50	98.43	0.00	0.00
CA12-06	616	621	187.76	189.28	1.52	1.40	91.86	0.00	0.00
CA12-06	621	626	189.28	190.80	1.52	1.40	91.86	0.00	0.00
CA12-06	626	631	190.80	192.33	1.52	1.52	99.74	0.56	36.75
CA12-06	631	636	192.33	193.85	1.52	1.35	88.58	0.00	0.00
CA12-06	636	641	193.85	195.38	1.52	1.45	95.14	0.00	0.00
CA12-06	641	646	195.38	196.90	1.52	1.50	98.43	0.28	18.37
CA12-06	646	651	196.90	198.42	1.52	1.30	85.30	0.10	6.56
CA12-06	651	656	198.42	199.95	1.52	1.50	98.43	0.00	0.00
CA12-06	656	661	199.95	201.47	1.52	1.52	99.74	0.00	0.00
CA12-06	661	666	201.47	203.00	1.52	1.54	101.05	0.00	0.00
CA12-06	666	671	203.00	204.52	1.52	1.50	98.43	0.00	0.00
CA12-06	671	676	204.52	206.04	1.52	1.45	95.14	0.00	0.00
CA12-06	676	681	206.04	207.57	1.52	1.52	99.74	0.00	0.00
CA12-06	681	686	207.57	209.09	1.52	1.50	98.43	0.00	0.00
CA12-06	686	691	209.09	210.62	1.52	1.40	91.86	0.00	0.00
CA12-06	691	696	210.62	212.14	1.52	1.52	99.74	0.00	0.00
CA12-06	696	701	212.14	213.66	1.52	1.55	101.71	0.00	0.00
CA12-06	701	706	213.66	215.19	1.52	1.45	95.14	0.44	28.87
CA12-06	706	711	215.19	216.71	1.52	1.46	95.80	0.00	0.00
CA12-06	711	716	216.71	218.24	1.52	1.50	98.43	0.00	0.00
CA12-06	716	721	218.24	219.76	1.52	1.48	97.11	0.00	0.00
CA12-06	721	726	219.76	221.28	1.52	1.52	99.74	0.00	0.00
CA12-06	726	731	221.28	222.81	1.52	1.50	98.43	0.00	0.00
CA12-06	731	736	222.81	224.33	1.52	1.43	93.83	0.00	0.00
CA12-06	736	741	224.33	225.86	1.52	1.45	95.14	0.00	0.00
CA12-06	741	746	225.86	227.38	1.52	1.48	97.11	0.00	0.00
CA12-06	746	751	227.38	228.90	1.52	1.50	98.43	0.00	0.00
CA12-06	751	756	228.90	230.43	1.52	1.40	91.86	0.00	0.00
CA12-06	756	761	230.43	231.95	1.52	1.42	93.18	0.13	8.53
CA12-06	761	766	231.95	233.48	1.52	1.50	98.43	0.00	0.00
CA12-06	766	771	233.48	235.00	1.52	1.52	99.74	0.00	0.00
CA12-06	771	776	235.00	236.52	1.52	1.40	91.86	0.00	0.00
CA12-06	776	780	236.52	237.74	1.22	1.20	98.43	0.00	0.00
CA12-06	780	791	237.74	241.10	3.35	3.05	90.97	0.42	34.45
CA12-06	791	796	241.10	242.62	1.52	1.45	95.14	0.93	27.74
CA12-06	796	801	242.62	244.14	1.52	1.47	96.46	1.12	73.49
CA12-06	801	806	244.14	245.67	1.52	1.52	99.74	1.03	67.59
CA12-06	806	811	245.67	247.19	1.52	1.49	97.77	0.93	61.02
CA12-06	811	816	247.19	248.72	1.52	1.60	104.99	1.06	69.55
CA12-06	816	821	248.72	250.24	1.52	1.44	94.49	0.97	63.65
CA12-06	821	826	250.24	251.76	1.52	1.52	99.74	0.97	63.65
CA12-06	826	831	251.76	253.29	1.52	1.45	95.14	1.28	83.99

DDH	From (ft)	To (ft)	From (m)	To (m)	Length (m)	Measured Length (m)	% Recovery	Sum of >10cm core	RQD
CA12-06	831	836	253.29	254.81	1.52	1.38	90.55	1.29	84.65
CA12-06	836	841	254.81	256.34	1.52	1.52	99.74	1.23	80.71
CA12-06	841	846	256.34	257.86	1.52	1.54	101.05	1.00	65.62
CA12-06	846	851	257.86	259.38	1.52	1.54	101.05	1.28	83.99
CA12-06	851	856	259.38	260.91	1.52	1.54	101.05	1.54	101.05
CA12-06	856	861	260.91	262.43	1.52	1.50	98.43	1.15	75.46
CA12-06	861	866	262.43	263.96	1.52	1.54	101.05	0.96	62.99
CA12-06	866	871	263.96	265.48	1.52	1.43	93.83	1.29	84.65
CA12-06	871	876	265.48	267.00	1.52	1.55	101.71	0.93	61.02
CA12-06	876	881	267.00	268.53	1.52	1.43	93.83	1.15	75.46
CA12-06	881	886	268.53	270.05	1.52	1.49	97.77	0.90	59.06
CA12-06	886	891	270.05	271.58	1.52	1.46	95.80	1.25	82.02
CA12-06	891	896	271.58	273.10	1.52	1.44	94.49	1.24	81.36
CA12-06	896	901	273.10	274.62	1.52	1.52	99.74	1.30	85.30
CA12-06	901	906	274.62	276.15	1.52	1.52	99.74	0.58	38.06
CA12-06	906	911	276.15	277.67	1.52	1.46	95.80	1.20	78.74
CA12-06	911	916	277.67	279.20	1.52	1.52	99.74	0.88	57.74
CA12-06	916	921	279.20	280.72	1.52	1.38	90.55	0.90	59.06
CA12-06	921	926	280.72	282.24	1.52	1.45	95.14	0.60	39.37
CA12-06	926	931	282.24	283.77	1.52	1.53	100.39	1.16	76.12
CA12-06	931	936	283.77	285.29	1.52	1.53	100.39	0.85	55.77
CA12-06	936	941	285.29	286.82	1.52	1.54	101.05	1.27	83.33
CA12-06	941	946	286.82	288.34	1.52	1.35	88.58	1.08	70.87
CA12-06	946	951	288.34	289.86	1.52	1.52	99.74	1.05	68.90
CA12-06	951	956	289.86	291.39	1.52	1.52	99.74	1.26	82.68
CA12-06	956	961	291.39	292.91	1.52	1.55	101.71	1.39	91.21
CA12-06	961	966	292.91	294.44	1.52	1.50	98.43	1.01	66.27
CA12-06	966	971	294.44	295.96	1.52	1.43	93.83	1.12	73.49
CA12-06	971	976	295.96	297.48	1.52	1.52	99.74	0.26	17.06
CA12-06	976	981	297.48	299.01	1.52	1.52	99.74	1.00	65.62
CA12-06	981	986	299.01	300.53	1.52	1.52	99.74	0.60	39.37
CA12-06	986	991	300.53	302.06	1.52	1.52	99.74	0.40	26.25
CA12-06	991	1001	302.06	305.10	3.05	2.90	95.14	0.99	64.96
CA12-06	1001	1006	305.10	306.63	1.52	1.30	85.30	0.32	10.50
CA12-06	1006	1011	306.63	308.15	1.52	1.44	94.49	0.00	0.00
CA12-06	1011	1016	308.15	309.68	1.52	1.20	78.74	0.10	6.56
CA12-06	1016	1021	309.68	311.20	1.52	1.20	78.74	0.10	6.56
CA12-06	1021	1024	311.20	312.12	0.91	0.00	0.00	0.00	0.00
CA12-06	1024	1026	312.12	312.72	0.61	0.00	0.00	0.00	0.00

hole_id	Material	FROM	TO	Lab	Job	Sample	Type	Wgt	Au-fa	Au	Ag	Cu	Mo	Pb	Zn	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc	Date
CA1201	Drill Core	0.0	6.0	Acme	SMI12000045	1935401	Drill Core	3.76	0.005	<2	<0.3	7	1	<3	128	3	12	2112	4.21	10	2	30	<0.5	<3	<3	79	2.2	0.17	9	5	1.61	208	0.004	<20	2.37	0.06	0.25	<2	<5	<1	7	0.72	8	16-Jul-12
CA1201	Drill Core	6.0	8.0	Acme	SMI12000045	1935402	Drill Core	4.44	<0.005	<2	<0.3	7	1	<3	127	2	7	2284	4.22	11	<2	43	<0.5	<3	6	81	3.29	0.16	6	4	1.51	209	0.005	<20	2.5	0.07	0.35	<2	<5	<1	8	0.55	8	16-Jul-12
CA1201	Drill Core	8.0	10.0	Acme	SMI12000045	1935403	Drill Core	4.32	0.091	<2	1.3	56	1	19	89	3	9	1603	7.12	80	<2	48	<0.5	<3	<3	37	3.59	0.14	5	3	0.66	69	0.002	<20	1.75	0.01	0.44	<2	<5	<1	<5	4.57	5	16-Jul-12
CA1201	Drill Core	10.0	12.0	Acme	SMI12000045	1935404	Drill Core	4.33	0.007	<2	<0.3	7	1	<3	75	2	7	2043	3.53	17	<2	62	<0.5	<3	<3	48	4.5	0.16	6	4	0.81	235	0.003	<20	1.92	0.04	0.47	<2	<5	<1	6	1.03	8	16-Jul-12
CA1201	Drill Core	12.0	14.0	Acme	SMI12000045	1935405	Drill Core	4.02	0.011	<2	<0.3	<1	<1	<3	115	2	8	2268	4.15	7	<2	47	<0.5	<3	<3	70	3.4	0.16	5	4	1.4	266	0.004	<20	2.28	0.07	0.35	<2	<5	<1	9	1.27	7	16-Jul-12
CA1201	Drill Core	14.0	16.0	Acme	SMI12000045	1935406	Drill Core	4.04	0.010	<2	<0.3	<1	2	3	118	2	9	1891	4.61	8	<2	37	<0.5	<3	<3	67	2.3	0.16	6	4	1.48	155	0.004	<20	2.21	0.07	0.30	<2	<5	<1	7	1.98	7	16-Jul-12
CA1201	Drill Core	16.0	18.0	Acme	SMI12000045	1935407	Drill Core	4.31	0.027	<2	<0.3	2	4	8	104	2	16	1509	5.25	14	<2	33	<0.5	<3	4	59	2.41	0.16	4	3	1.22	98	0.003	<20	2.02	0.05	0.40	<2	<5	<1	5	3.48	5	16-Jul-12
CA1201	Drill Core	18.0	20.0	Acme	SMI12000045	1935408	Drill Core	4.35	0.043	<2	0.5	14	2	3	104	2	13	1599	4.85	11	<2	37	<0.5	<3	4	61	2.79	0.16	4	3	1.3	94	0.003	<20	2.03	0.05	0.39	<2	<5	<1	6	3.03	6	16-Jul-12
CA1201	Drill Core	20.0	22.0	Acme	SMI12000045	1935409	Drill Core	4.17	0.226	<2	2.1	3	2	5	80	3	17	1418	5.14	15	2	36	<0.5	<3	5	42	2.76	0.16	7	4	0.91	75	0.003	<20	1.69	0.04	0.43	<2	<5	<1	<5	4.04	<5	16-Jul-12
CA1201	Drill Core	22.0	24.0	Acme	SMI12000045	1935410	Drill Core	4.53	0.066	<2	1.6	2	2	5	78	2	12	1538	4.67	10	2	42	<0.5	<3	5	43	3.05	0.16	9	4	0.96	80	0.002	<20	1.62	0.04	0.41	<2	<5	<1	<5	3.69	6	16-Jul-12
CA1201	Drill Core	24.0	26.0	Acme	SMI12000045	1935411	Drill Core	4.53	0.078	<2	1.4	5	2	<3	108	2	8	2157	3.96	13	<2	52	<0.5	<3	4	54	3.72	0.15	10	3	1.15	217	0.003	<20	2.08	0.03	0.45	<2	<5	<1	7	1.53	6	16-Jul-12
CA1201	Drill Core	26.0	28.0	Acme	SMI12000045	1935412	Drill Core	4.25	0.038	<2	0.4	16	1	<3	123	2	8	2512	3.74	8	<2	58	<0.5	<3	<3	43	4.12	0.16	7	3	0.89	255	0.003	<20	2.13	0.01	0.57	<2	<5	<1	<5	0.85	6	16-Jul-12
CA1201	Drill Core	28.0	30.0	Acme	SMI12000045	1935413	Drill Core	4.55	0.940	2	6	83	3	31	127	4	6	2197	13.22	320	<2	34	<0.5	<3	11	41	2.58	0.13	5	5	0.73	64	0.005	<20	1.89	<0.01	0.57	<2	<5	<1	<5	>10.00	<5	16-Jul-12
CA1201	Drill Core	30.0	32.0	Acme	SMI12000045	1935414	Drill Core	4.58	1.265	3	9.8	86	2	32	105	4	7	2108	10.40	97	<2	38	<0.5	<3	51	42	2.83	0.14	4	5	0.83	51	0.004	<20	1.73	0.02	0.52	<2	<5	<1	<5	8.84	<5	16-Jul-12
CA1201	Drill Core	32.0	34.0	Acme	SMI12000045	1935415	Drill Core	3.84	0.047	<2	0.8	1	2	6	99	2	13	1794	4.30	23	2	47	<0.5	<3	5	58	3.56	0.16	6	4	1.16	150	0.003	<20	1.72	0.05	0.40	<2	<5	<1	<5	3.27	6	16-Jul-12
CA1201	Drill Core	34.0	36.0	Acme	SMI12000045	1935416	Drill Core	4.88	0.046	<2	<0.3	4	1	11	85	2	11	1433	4.15	13	<2	48	<0.5	<3	3	65	3.22	0.16	5	3	0.95	54	0.002	<20	1.36	0.04	0.32	<2	<5	<1	8	3.47	7	16-Jul-12
CA1201	Drill Core	36.0	38.0	Acme	SMI12000045	1935417	Drill Core	4.50	0.014	<2	<0.3	1	<1	<3	81	2	6	1474	3.36	8	<2	46	<0.5	<3	<3	85	2.89	0.15	6	3	1.22	151	0.021	<20	1.61	0.07	0.30	<2	<5	<1	6	1.96	9	16-Jul-12
CA1201	Drill Core	38.0	40.0	Acme	SMI12000045	1935418	Drill Core	3.91	0.027	<2	<0.3	3	1	9	78	2	11	1280	4.25	20	<2	36	<0.5	<3	5	82	2.53	0.15	6	3	1.17	82	0.049	<20	1.39	0.07	0.22	<2	<5	<1	<5	3.46	7	16-Jul-12
CA1201	Drill Core	40.0	42.0	Acme	SMI12000045	1935419	Drill Core	4.04	0.025	<2	<0.3	3	2	5	66	2	11	1014	4.29	21	<2	30	<0.5	<3	<3	75	2.24	0.16	6	3	1.08	60	0.035	<20	1.36	0.07	0.30	<2	<5	<1	6	3.86	6	16-Jul-12
CA1201	Drill Core	42.0	44.0	Acme	SMI12000045	1935420	Drill Core	2.62	0.042	<2	<0.3	7	2	14	64	2	12	1044	4.84	26	<2	35	<0.5	<3	<3	66	2.56	0.16	7	5	1.07	79	0.009	<20	1.25	0.06	0.24	<2	<5	<1	<5	4.67	6	16-Jul-12
CA1201	Drill Core	44.0	46.0	Acme	SMI12000045	1935421	Drill Core	3.12	0.027	<2	<0.3	11	1	15	93	2	9	1487	3.73	16	<2	34	<0.5	<3	<3	91	2.38	0.17	6	4	1.37	150	0.040	<20	1.63	0.07	0.24	<2	<5	<1	6	2.44	8	16-Jul-12
CA1201	Drill Core	46.0	48.0	Acme	SMI12000045	1935422	Drill Core	3.34	0.023	<2	<0.3	4	2	20	71	2	15	993	4.34	21	<2	28	<0.5	<3	<3	64	2.07	0.16	6	3	1.06	84	0.051	<20	1.23	0.06	0.25	<2	<5	<1	<5	4.18	5	16-Jul-12
CA1201	Drill Core	48.0	50.0	Acme	SMI12000045	1935423	Drill Core	3.87	0.025	<2	<0.3	7	2	9	54	2	14	1089	4.33	17	<2	41	<0.5	<3	4	59	3.12	0.16	6	3	0.83	56	0.011	<20	1.21	0.05	0.36	<2	<5	<1	5	4.28	5	16-Jul-12
CA1201	Drill Core	50.0	52.0	Acme	SMI12000045	1935424	Drill Core	3.81	0.022	<2	<0.3	4	2	6	55	2	15	1192	4.73	13	<2	53	<0.5	<3	<3	41	3.87	0.16	5	4	0.76	46	0.002	<20	1.25	0.04	0.37	<2	<5	<1	<5	4.55	5	16-Jul-12
CA1201	Drill Core	52.0	54.0	Acme	SMI12000045	1935426	Drill Core	4.09	0.026	<2	<0.3	3	1	4	72	2	11	1228	4.13	15	<2	46	<0.5	<3	<3	43	3.36	0.16	5	3	0.88	82	0.002	<20	1.32	0.03	0.35	<2	<5	<1	<5	3.43	<5	16-Jul-12
CA1201	Drill Core	54.0	56.0	Acme	SMI12000045	1935427	Drill Core	4.38	0.219	<2	0.9	702	2	8	56	2	12	1027	6.15	32	<2	46	<0.5	<3	5	34	3.24	0.15	5	3	0.53	51	0.002	<20	1.14	0.02	0.44	<2	<5	<1	<5	6.20	<5	16-Jul-12
CA1201	Drill Core	56.0	58.0	Acme	SMI12000045	1935428	Drill Core	3.99	0.032	<2	<0.3	17	2	<3	38	2	16	945	4.30	20	<2	44	<0.5	<3	<3	28	3.51	0.15	5	3	0.5	64	0.002	<20	1.03	0.03	0.39	<2	<5	<1	<5	4.32	<5	16-Jul-12
CA1201	Drill Core	58.0	60.0	Acme	SMI12000045	1935429	Drill Core	4.53	0.039	<2	<0.3	109	2	<3	58	3	17	1052	5.02	12	<2	42	<0.5	<3	<3	34	3.09	0.17	5	3	0.74	80	0.002	<20	1.61	0.02	0.50	<2	<5	<1	<5	3.99	<5	16-Jul-12
CA1201	Drill Core	60.0	62.0	Acme	SMI12000045	1935430	Drill Core	2.40	0.133	<2	<0.3	192	2	<3	98	2	11	1480	4.43	9	<2	42	<0.5	<3	<3	66	3.03	0.15	5	4	1.28	112	0.003	<20	1.89	0.05	0.38	<2	<5	<1	6	2.79	6	16-Jul-12
CA1201	Drill Core	62.0	64.0	Acme	SMI12000045	1935431	Drill Core	3.90	0.075	<2	<0.3	111	2	<3	102	2	15	1449	4.46	7	<2	34	<0.5	<3	<3	69	2.73	0.16	5	5	1.3	112	0.003	<20	2	0.05	0.43	<2	<5	<1	7	2.99	6	16-Jul-12
CA1201	Drill Core	64.0	66.0	Acme	SMI12000045	1935432	Drill Core	3.88	0.180	<2	1.2	484	2	5	96	2	11	1662	5.69	16	<2	39	<0.5	<3	6	53	3.01	0.15	5	4	1.18	93	0.003	<20	2.02	0.02	0.47	<2	<5	<1	7	3.63	5	16-Jul-12
CA1201	Drill Core	66.0	68.0	Acme	SMI12000045	1935433	Drill Core	3.56	0.245	<2	1.2	442	1	8	108	4	18	4277	7.58	55	<2	78	<0.5	<3	5	75	7.72	0.11	7	8	1.51	70	0.003	<20	2.28	0.02	0.38	<2	<5	<1	8	3.68	5	16-Jul-12
CA1201	Drill Core	68.0	70.0	Acme	SMI12000045	1935434	Drill Core	4.74	0.158	<2	0.4	224	2	<3	18	5	17	986	6.01	27	<2	36	<0.5	<3	<3	21	2.51	0.13	4	6	0.35	12	<0.001	<20	0.98	0.01	0.46	<2	<5	<1	<5	5.48	<5	16-Jul-12
CA1201	Drill Core	70.0	72.0	Acme	SMI12000045	1935435	Drill Core	3.87	0.543	<2	4.9	7931	3	4	34	3	12	929	7.88	46	<2	29	0.8	<3	11	24	2.39	0.13	4	3	0.48	11	<0.001	<20	0.82	0.02	0.29	3	<5	<1	<5	7.42	<5	16-Jul-12
CA1201	Drill Core	72.0	74.0	Acme	SMI12000045	1935436	Drill Core	3.68	0.100	<2	<0.3	82	3	<3	59	2	9	903	5.03	13	<2	27	<0.5	<3	<3	43	2.07	0.15	7	4	0.85	19	0.001	<20	1.29	0.04	0.37	<2	<5	<1	<5	4.67	<5	16-Jul-12
CA1201	Drill Core	74.0	76.0	Acme	SMI12000045	1935437	Drill Core	4.10	0.085	<2	0.4	189	4	<3	49	2	10	2756	4.02	5	<2	81	0.5	<3	<3	32	5.99	0.12	7	3	0.71	19	<0.001	<20	1.28	0.02	0.30	<2	<5	<1	<5	2.73	<5	16-Jul-12
CA1201	Drill Core	76.0	78.0	Acme	SMI12000045	1935438	Drill Core	3.82	0.081	<2	0.4	249	6	6	36	2	11	1529	4.37	<2	<2	52	<0.5	<3	<3	21	3.66	0.12	6	3	0.49	13	<0.001	<20	1.01	0.02	0.34	<2	<5	<1	<5	3.94	<5	16-Jul-12
CA1201	Drill Core	78.0	80.0	Acme	SMI12000045	1935439	Drill Core	4.42	0.163	<2	<0.3	125	5	3	43	2	9	904	4.59	6	<2	38	<0.5	<3	<3	27	2.89	0.12	5	3	0.51	18	<0.001	<20	1.06	0.02	0.36	<2	<5	<1	<5	4.26	<5	16-Jul-12
CA1201	Drill Core	80.0	82.0	Acme	SMI12000045	1935440	Drill Core	4.29	0.113	<2	0.4	324	7	5	34	3	9	1045	4.01	5	<2	66	<0.5	<3	<3	15	4.31	0.11	6	4	0.33	50	<0.001	<20	0.94	0.01	0.35	<2	<5	<1	<5	3.42	<5	16-Jul-12
CA1201	Drill Core	82.0	84.0	Acme	SMI12000045	1935441	Drill Core	4.05	0.479	<2	4.4	271	5	8	15	2	8	360	6.82	16	<2	21	<0.5	<3	6	13	1.34	0.11	3	2	0.15	21	<0.001	<20	0.6	0.01	0.35	<2	<5	<1	<5	7.24	<5	16-Jul-12
CA1201	Drill Core	84.0	86.0	Acme	SMI12000045	1935442	Drill Core	3.93	0.046	<2	<0.3	134	8	<3	36	1	9	678	3.35	<2	2	31	<0.5	<3	<3	23	2.24	0.12	6	2	0.42	39	<0.001	<20	0.83	0.02	0.35	<2	<5	<1	<5	2.88	<5	16-Jul-12
CA1201	Drill Core	86.0	88.0	Acme	SMI12000045	1935443	Drill Core	4.05	0.141	<2	0.4	199	9	<3	28	2	19	767	6.30	<2	<2	39	<0.5	<3	6	17	2.88	0.11	5	2	0.35	10	<0.001	<20	0.84	0.02	0.35	<2	<5	<1	<5	6.49	<5	16-Jul-12
CA1201	Drill Core	88.0	90.0	Acme	SMI12000045	1935444	Drill Core	4.44	0.072	<2	0.3	127	5	<3	14	2	17	644	4.81	<2	<2	35	<0.5	<3	<3	11	2.52	0.11	4	2	0.2	15	<0.001	<20	0.62	0.02	0.34	<2	<5	<1	<5	5.27	<5	16-Jul-12
CA1201	Drill Core	90.0	92.0	Acme	SMI12000045	1935445	Drill Core	4.25	0.147	<2	<0.3	305	18	6	29	2	26	764	5.85	5	<2	31	<0.5	<3	<3	19	2.36	0.11	5	3	0.44	11	<0.001	<20	0.78	0.03	0.36	<2	<5	<1	<5	6.00	<5	16-Jul-12
CA1201	Drill Core	92.0	94.0	Acme	SMI12000045	1935446	Drill Core	4.67	0.044	<2	0.3	142	<1	<3	52	1	8	1014	5.06	<2	2	27	<0.5	<3	<3	21	2.03	0.13	6	2	0.7	30	<0.001	<20	1.07	0.02	0.38	<2	<5	<1	<5	4.94	<5	16-Jul-12
CA1201	Drill Core	94.0	96.0	Acme	SMI12000045	1935447	Drill Core	2.76	0.025	<2	0.4	269	<1	6	31	2	8	833	5.21	3	<2	25	<0.5	<3	<3	17	1.81	0.13	6	2	0.5	31	<0.001	<20	0.88	0.01	0.42	<2	<5	<1	<5	5.27	<5	16-Jul-12
CA1201	Drill Core	96.0	98.0	Acme	SMI12000045	1935448	Drill Core	3.71	0.170	<2	0.7	284	<1	9	17	2	10	634	4.81	4	<2	25	<0.5	<3	<3	12	1.96	0.13	6	3	0.22	48	<0.001	<20	0.69	0.01	0.41	<2	<5	<1	<5	5.03	<5	16-Jul-12
CA1201	Drill Core	98.0	100.0	Acme	SMI12000045	1935449	Drill Core	4.19	0.530	<2	3.4	2211	2	10	23	2	6	824	9.20	69	<2	31	<0.5	<3	10	10	2.23	0.12	5	3	0.18	12	<0.001	<20	0.66	0.01	0.36	<2	<5	<1	<5	9.02	<5	16-Jul-12
CA1201	Std CDN CM-14			Acme	SMI12000045	1935450	Rock Pulp	0.07	0.803	<2	4.4	>10000	364	7	66	34	11	451	2.84	14	<2	40	<0.5	<3	6	50	0.78	0.05	5	45	0.61	129	0.103	<20	1.25	0.09	0.11	25	<5	<1	<5	0.76	<5	16-Jul-12
CA1201	Drill Core	100.0	102.0	Acme	SMI12000045	1935451	Drill Core	4.81	3.104	<2	1.7	203	<1	5	23	2	7	563	7.34	20	<2	22	<0.5	<3	5	10	1.51	0.13	4	2	0.22	33	<0.001	<20	0.71	0.01	0.34	<2	<5	<1	<5	7.37	<5	16-Jul-12
CA1201	Drill Core	102.0	104.0	Acme	SMI12000045	1935452	Drill Core	4.97	0.849	<2	6.5	464	15	22	12	2	8	679	12.54	145	<2	34	0.8	<3	16	8	2.66	0.09	2	3	0.12	5	<0.001	<20	0.47	0.01	0.30	<2	<5	<1	<5	>10.00	<5	16-Jul-12
CA1201	Drill Core	104.0	106.0	Acme	SMI12000045	1935453	Drill Core	4.57	0.314	<2	2.4	160	<1	12	36	2	5	1145	9.26	22	<2	49	0.7	<3	<3	11	3.36	0.11	6	2	0.23	18	<0.001	<20	0.68	0.01	0.35	<2	<5	<1	<5	9.33	<5	16-Jul-12
CA1201	Drill Core	106.0	108.0	Acme	SMI12000045	1935454	Drill Core	4.17	0.125	<2	0.7	130	<1	7	27	2	6	1249	7.32	14	2	43	0.6	<3	<3	16	2.56	0.12	8	2	0.43	18	<0.001	<20	0.94	0.01	0.40	<2	<5	<1	<5	7.15	<5	16-Jul-12
CA1201	Drill Core	108.0	110.0	Acme	SMI12000045	1935455	Drill Core	4.72	0.042	<2	<0.3	32	<1	4	30	2	6	1682	4.82	7	<2	51	0.5	<3	<3	16	3.66	0.13	7	1	0.54	18	<0.001	<20	1.03	0.01	0.42	<2	<5	<1	<5	4.56	<5	16-Jul-12
CA1201	Drill Core	110.0	112.0	Acme	SMI12000045	1935456	Drill Core	5.34	0.318	<2	1	156	<1	12	10	2	5	641	12.85	82	<2	28	0.5	<3	8	9	1.85	0.11	5	4	0.15	21	<0.001	<20	0.59	0.01	0.36	<2	<5	1	<5	>10.00	<5	16-Jul-12
CA1201	Drill Core	112.0	114.0	Acme	SMI12000045	1935457	Drill Core	4.83	0.173	<2	0.8	55	15	11	27	3	5	1080	11.24	51	<2	28	0.6	<3	7	11	1.95	0.11	5	3	0.34	8	<0.001	<20	0.75	0.01	0.34	<2	<5	<1	<5	>10.00	<5	16-Jul-12
CA1201	Drill Core	114.0	116.0	Acme	SMI12000045	1935458	Drill Core	4.88	0.068	<2	<0.3	38	5	3	38	2	5	1245	5.55	23	<2	32	<0.5	<3	8	19	2.2	0.13	6	2	0.55	14	<0.001	<20	0.9	0.01	0.41	<2	<5	<1	<5	5.67	<5	16-Jul-12

All assays ppm except Ca, Fe, K, Na, Mg, P, S, Ti in %

hole_id	Material	FROM	TO	Lab	Job	Sample	Type	Wgt	Au-fa	Au	Ag	Cu	Mo	Pb	Zn	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc	Date
CA1201	Drill Core	116.0	118.0	Acme	SMI12000045	1935459	Drill Core	4.17	0.213	<2	1.1	494	<1	18	41	2	5	1083	10.85	70	<2	24	0.7	<3	29	18	1.62	0.11	3	4	0.56	16	<0.001	<20	1	0.01	0.34	<2	<5	<1	<5	>10.00	<5	16-Jul-12
CA1201	Drill Core	118.0	120.0	Acme	SMI12000045	1935460	Drill Core	4.59	0.363	<2	0.7	82	<1	<3	62	2	5	1526	7.33	35	<2	21	0.6	3	5	20	1.57	0.12	5	3	0.88	31	<0.001	<20	1.05	0.01	0.35	<2	<5	<1	7	6.51	<5	16-Jul-12
CA1201	Drill Core	120.0	122.0	Acme	SMI12000045	1935461	Drill Core	3.94	0.066	<2	<0.3	14	1	<3	46	2	5	1347	6.47	19	<2	31	<0.5	<3	6	16	2.22	0.12	4	2	0.74	26	<0.001	<20	0.81	0.01	0.37	<2	<5	<1	<5	6.14	<5	16-Jul-12
CA1201	Drill Core	122.0	124.0	Acme	SMI12000045	1935462	Drill Core	4.82	0.243	<2	<0.3	77	<1	<3	34	1	6	897	5.68	16	<2	30	<0.5	<3	3	18	2.36	0.13	4	2	0.44	21	<0.001	<20	0.87	0.02	0.40	<2	<5	<1	<5	5.71	<5	16-Jul-12
CA1201	Drill Core	124.0	126.0	Acme	SMI12000045	1935463	Drill Core	3.86	0.049	<2	<0.3	29	<1	<3	34	2	6	1182	5.56	19	<2	38	<0.5	<3	3	16	3.04	0.12	4	1	0.45	31	<0.001	<20	1	0.02	0.38	2	<5	<1	6	5.44	<5	16-Jul-12
CA1201	Drill Core	126.0	128.0	Acme	SMI12000045	1935464	Drill Core	4.54	0.225	<2	<0.3	18	<1	5	50	1	6	1113	5.44	19	<2	28	<0.5	<3	<3	29	2.1	0.12	6	3	0.72	26	<0.001	<20	1.07	0.02	0.39	<2	<5	<1	6	5.16	<5	16-Jul-12
CA1201	Drill Core	128.0	130.0	Acme	SMI12000045	1935465	Drill Core	3.35	0.071	<2	<0.3	56	1	<3	76	2	7	914	4.67	17	<2	25	<0.5	<3	<3	46	1.69	0.13	5	3	0.97	14	<0.001	<20	1.27	0.04	0.34	<2	<5	<1	<5	4.40	<5	16-Jul-12
CA1201	Drill Core	130.0	132.0	Acme	SMI12000045	1935466	Drill Core	4.31	0.047	<2	<0.3	19	1	3	53	1	6	1021	4.47	11	<2	34	<0.5	<3	3	34	2.53	0.12	6	3	0.66	35	<0.001	<20	1.01	0.03	0.38	<2	<5	2	<5	4.54	<5	16-Jul-12
CA1201	Drill Core	132.0	134.0	Acme	SMI12000045	1935467	Drill Core	3.88	0.051	<2	<0.3	52	<1	<3	56	2	6	1005	4.45	5	<2	36	<0.5	<3	<3	35	2.66	0.13	5	2	0.68	25	<0.001	<20	1.11	0.03	0.36	<2	<5	<1	<5	4.41	<5	16-Jul-12
CA1201	Drill Core	134.0	136.0	Acme	SMI12000045	1935468	Drill Core	3.83	0.098	<2	<0.3	165	<1	<3	53	2	6	991	4.61	8	<2	28	<0.5	3	<3	33	2.21	0.13	4	2	0.72	23	<0.001	<20	1.08	0.03	0.36	<2	<5	<1	<5	4.43	<5	16-Jul-12
CA1201	Drill Core	136.0	138.0	Acme	SMI12000045	1935469	Drill Core	4.53	0.137	<2	<0.3	179	<1	3	47	2	6	1074	5.08	10	<2	36	<0.5	<3	4	25	2.75	0.12	4	2	0.54	71	<0.001	<20	0.93	0.02	0.35	<2	<5	<1	<5	5.02	<5	16-Jul-12
CA1201	Drill Core	138.0	140.0	Acme	SMI12000045	1935470	Drill Core	3.93	0.119	<2	<0.3	45	<1	<3	53	1	6	1678	4.33	15	2	63	<0.5	<3	7	23	4.52	0.12	6	2	0.58	86	<0.001	<20	1.3	0.02	0.42	<2	<5	<1	6	3.58	<5	16-Jul-12
CA1201	Drill Core	140.0	142.0	Acme	SMI12000045	1935471	Drill Core	3.56	0.115	<2	0.6	144	<1	<3	18	1	8	1419	4.02	11	<2	72	<0.5	<3	5	13	5.09	0.12	7	<1	0.27	103	<0.001	<20	0.83	0.01	0.42	<2	<5	1	<5	3.69	<5	16-Jul-12
CA1201	Drill Core	142.0	144.0	Acme	SMI12000045	1935472	Drill Core	3.39	0.291	<2	0.3	241	<1	5	6	<1	6	2039	3.18	13	<2	121	<0.5	<3	3	7	9.76	0.10	13	2	0.14	99	<0.001	<20	0.55	0.01	0.34	<2	<5	<1	<5	3.09	<5	16-Jul-12
CA1201	Drill Core	144.0	146.0	Acme	SMI12000045	1935473	Drill Core	4.46	0.108	<2	0.4	110	<1	11	9	<1	8	868	5.65	20	<2	36	<0.5	<3	11	9	2.55	0.13	5	2	0.22	37	<0.001	<20	0.57	0.01	0.41	<2	5	2	<5	6.28	<5	16-Jul-12
CA1201	Drill Core	146.0	148.0	Acme	SMI12000045	1935474	Drill Core	1.76	0.276	<2	<0.3	167	3	<3	21	2	7	895	5.79	14	<2	38	<0.5	<3	5	9	2.98	0.13	5	1	0.2	45	<0.001	<20	0.61	0.01	0.38	<2	<5	1	<5	6.39	<5	16-Jul-12
CA1201	dup			Acme	SMI12000045	1935475	Drill Core	1.95	0.049	<2	<0.3	393	2	10	27	2	7	911	5.96	11	3	40	<0.5	<3	<3	11	3.1	0.13	5	1	0.25	42	<0.001	<20	0.73	0.01	0.41	<2	<5	2	6	6.31	<5	16-Jul-12
CA1201	Drill Core	148.0	150.0	Acme	SMI12000045	1935476	Drill Core	3.73	0.033	<2	<0.3	96	4	<3	71	1	6	1076	4.48	<2	3	30	<0.5	<3	<3	45	2.25	0.13	4	2	0.87	67	<0.001	<20	1.04	0.03	0.32	<2	<5	1	<5	4.39	<5	16-Jul-12
CA1201	Drill Core	150.0	152.0	Acme	SMI12000045	1935477	Drill Core	3.65	0.118	<2	<0.3	291	7	4	81	1	8	1317	5.24	7	3	28	<0.5	<3	<3	38	2.36	0.13	5	2	0.92	74	<0.001	<20	1.24	0.02	0.38	<2	<5	1	7	4.68	<5	16-Jul-12
CA1201	Drill Core	152.0	154.0	Acme	SMI12000045	1935478	Drill Core	4.20	0.047	<2	<0.3	206	7	<3	89	1	10	1253	4.02	<2	3	26	<0.5	<3	<3	38	2.01	0.13	6	2	1.07	128	<0.001	<20	1.37	0.03	0.35	<2	<5	1	<5	2.38	<5	16-Jul-12
CA1201	Drill Core	154.0	156.0	Acme	SMI12000045	1935479	Drill Core	3.62	0.180	<2	0.6	349	7	6	78	2	13	1244	6.65	36	3	26	<0.5	<3	6	31	1.92	0.13	5	2	0.81	60	0.001	<20	1.36	0.02	0.41	<2	<5	2	<5	5.60	<5	16-Jul-12
CA1201	Drill Core	156.0	158.0	Acme	SMI12000045	1935480	Drill Core	3.82	0.246	<2	1.2	226	15	7	97	1	8	1535	5.89	14	<2	26	<0.5	<3	4	29	2.17	0.13	5	2	0.9	43	0.001	<20	1.44	<0.01	0.38	<2	<5	2	<5	4.42	<5	16-Jul-12
CA1201	Drill Core	158.0	160.0	Acme	SMI12000045	1935481	Drill Core	4.09	0.405	<2	0.9	185	23	<3	113	1	11	1465	6.40	24	3	33	<0.5	<3	7	41	2.65	0.13	5	3	0.91	59	0.001	<20	1.63	0.02	0.44	<2	<5	<1	8	4.47	<5	16-Jul-12
CA1201	Drill Core	160.0	162.0	Acme	SMI12000045	1935482	Drill Core	3.91	0.089	<2	0.3	449	42	<3	79	1	9	1529	4.10	11	3	50	<0.5	<3	<3	30	3.35	0.14	6	2	0.78	171	<0.001	<20	1.52	0.02	0.41	<2	<5	2	<5	1.93	<5	16-Jul-12
CA1201	Drill Core	162.0	164.0	Acme	SMI12000045	1935483	Drill Core	4.22	0.142	<2	0.8	485	26	11	59	1	9	1551	4.61	30	<2	45	<0.5	<3	7	22	3.03	0.13	5	<1	0.68	71	<0.001	<20	1.32	0.01	0.44	<2	<5	<1	<5	2.99	<5	16-Jul-12
CA1201	Drill Core	164.0	166.0	Acme	SMI12000045	1935484	Drill Core	4.49	0.619	<2	6.7	4065	24	34	662	<1	8	1830	7.23	72	<2	49	9.3	5	8	16	3.3	0.11	4	<1	0.59	39	<0.001	<20	0.92	0.01	0.38	<2	<5	2	<5	6.74	<5	16-Jul-12
CA1201	Drill Core	166.0	168.0	Acme	SMI12000045	1935485	Drill Core	3.86	0.169	<2	0.9	483	19	8	86	1	13	1297	5.47	16	2	29	<0.5	<3	<3	42	2.13	0.13	5	2	0.9	93	0.001	<20	1.49	0.02	0.40	<2	<5	<1	<5	3.78	<5	16-Jul-12
CA1201	Drill Core	168.0	170.0	Acme	SMI12000045	1935486	Drill Core	2.75	0.047	<2	<0.3	394	44	<3	101	2	8	1197	3.94	<2	3	31	<0.5	<3	<3	68	2.18	0.13	7	3	1.21	314	<0.001	<20	1.66	0.03	0.30	<2	<5	<1	9	0.45	<5	16-Jul-12
CA1201	Drill Core	170.0	172.0	Acme	SMI12000045	1935487	Drill Core	3.57	0.125	<2	0.5	419	55	<3	59	1	12	1441	4.32	22	3	41	<0.5	<3	<3	30	3.28	0.14	6	2	0.71	92	<0.001	<20	1.37	0.02	0.43	<2	<5	<1	<5	2.92	<5	16-Jul-12
CA1201	Drill Core	172.0	174.0	Acme	SMI12000045	1935488	Drill Core	4.08	0.201	<2	0.5	538	12	10	98	2	9	1650	4.92	28	<2	33	<0.5	<3	7	30	2.57	0.13	6	2	1.01	122	<0.001	<20	1.59	0.01	0.40	<2	<5	<1	<5	2.78	<5	16-Jul-12
CA1201	Drill Core	174.0	176.0	Acme	SMI12000045	1935489	Drill Core	4.18	0.387	<2	1.7	850	7	<3	74	2	12	1330	5.77	42	2	35	<0.5	<3	4	26	2.57	0.12	5	2	0.78	33	<0.001	<20	1.32	0.02	0.40	<2	<5	<1	7	4.15	<5	16-Jul-12
CA1201	Drill Core	176.0	178.0	Acme	SMI12000045	1935490	Drill Core	3.21	0.025	<2	<0.3	453	3	<3	96	26	14	2776	4.59	<2	<2	77	<0.5	<3	3	44	5.3	0.09	7	26	2.07	567	<0.001	<20	1.46	0.02	0.33	<2	<5	<1	<5	0.39	8	16-Jul-12
CA1201	Drill Core	178.0	180.0	Acme	SMI12000045	1935491	Drill Core	4.75	<0.005	<2	<0.3	28	<1	16	133	89	36	2284	5.41	<2	<2	110	0.9	<3	<3	121	7.02	0.05	4	155	3.48	77	0.009	<20	3.33	0.07	0.28	<2	<5	<1	6	0.05	16	16-Jul-12
CA1201	Drill Core	180.0	182.0	Acme	SMI12000045	1935492	Drill Core	3.58	0.029	<2	0.3	445	7	5	119	70	30	1665	5.59	<2	<2	84	0.7	<3	7	119	4.5	0.07	4	118	3.23	279	0.013	<20	3.61	0.11	0.26	<2	<5	<1	7	0.48	13	16-Jul-12
CA1201	Drill Core	182.0	184.0	Acme	SMI12000045	1935493	Drill Core	3.88	0.050	<2	<0.3	524	7	4	96	16	13	1899	4.69	27	<2	63	<0.5	<3	<3	64	3.85	0.11	8	29	1.51	474	0.003	<20	2.37	0.03	0.37	<2	<5	<1	<5	0.53	7	16-Jul-12
CA1201	Drill Core	184.0	186.0	Acme	SMI12000045	1935494	Drill Core	4.45	<0.005	<2	<0.3	39	<1	4	122	77	35	2059	5.88	<2	<2	102	0.9	<3	4	134	6.07	0.06	5	155	3.46	55	0.030	<20	3.81	0.10	0.22	<2	<5	<1	<5	0.11	16	16-Jul-12
CA1201	Drill Core	186.0	188.0	Acme	SMI12000045	1935495	Drill Core	4.65	<0.005	<2	<0.3	34	<1	<3	89	77	36	1622	5.47	<2	<2	93	0.9	<3	<3	152	5.13	0.06	4	138	3.88	31	0.058	<20	3.9	0.20	0.19	<2	<5	<1	9	0.06	17	16-Jul-12
CA1201	Drill Core	188.0	190.0	Acme	SMI12000045	1935496	Drill Core	4.18	0.008	<2	<0.3	86	<1	6	140	84	33	2250	5.63	<2	<2	100	1	<3	4	130	6.17	0.05	4	152	3.46	252	0.015	<20	3.72	0.07	0.22	<2	<5	<1	<5	0.11	13	16-Jul-12
CA1201	Drill Core	190.0	192.0	Acme	SMI12000045	1935497	Drill Core	3.77	0.070	<2	<0.3	312	9	<3	76	4	7	1345	4.26	9	2	51	<0.5	<3	<3	44	2.27	0.13	6	4	1.07	461	0.002	<20	1.86	0.03	0.35	<2	<5	2	<5	0.70	<5	16-Jul-12
CA1201	Drill Core	192.0	194.0	Acme	SMI12000045	1935498	Drill Core	2.49	0.092	<2	<0.3	679	11	7	72	1	8	1421	4.45	15	2	59	<0.5	<3	<3	47	2.62	0.13	7	3	1	348	0.001	<20	1.64	0.03	0.34	<2	<5	<1	9	0.83	<5	16-Jul-12
CA1201	Drill Core	194.0	196.0	Acme	SMI12000045	1935499	Drill Core	3.38	0.068	<2	<0.3	537	12	<3	58	2	6	1279	4.26	3	3	36	<0.5	<3	<3	43	2.46	0.13	6	3	0.97	223	<0.001	<20	1.59	0.04	0.38	<2	<5	<1	<5	1.07	<5	16-Jul-12
CA1201	Std CDN CM-21			Acme	SMI12000045	1935500	Rock Pulp	0.08	0.551	<2	1	5695	335	<3	41	26	11	432	3.09	3	<2	39	<0.5	<3	<3	54	0.79	0.05	4	28	0.69	122	0.116	<20	1.48	0.10	0.13	10	<5	<1	6	0.61	<5	16-Jul-12
CA1201	Drill Core	196.0	198.0	Acme	SMI12000045	1935501	Drill Core	2.89	0.108	<2	<0.3	575	12	<3	56	1	9	1278	3.91	6	<2	38	<0.5	<3	<3	30	2.49	0.13	6	2	0.8	106	<0.001	<20	1.16	0.02	0.38	<2	<5	<1	<5	1.47	<5	16-Jul-12
CA1201	Drill Core	198.0	200.0	Acme	SMI12000045	1935502	Drill Core	3.42	0.278	<2	0.3	626	14	<3	73	2	11	1452	5.29	13	3	36	<0.5	<3	<3	39	2.36	0.12	5	3	1.01	145	0.001	<20	1.37	0.03	0.39	<2	<5	<1	<5	2.62	<5	16-Jul-12
CA1201	Drill Core	200.0	202.0	Acme	SMI12000045	1935503	Drill Core	3.74	0.180	<2	<0.3	673	9	<3	97	2	7	1503	4.74	6	3	36	<0.5	<3	<3	48	2.36	0.13	6	2	1.17	182	0.001	<20	1.9	0.03	0.38	<2	<5	<1	<5	1.45	<5	16-Jul-12
CA1201	Drill Core	202.0	204.0	Acme	SMI12000045	1935504	Drill Core	3.25	0.194	<2	<0.3	509	11	4	72	3	12	1092	4.95	8	3	32	0.5	<3	<3	50	1.87	0.14	5	4	1.06	73	0.001	<20	1.66	0.04	0.35	<2	<5	<1	6	2.73	<5	16-Jul-12
CA1201	Drill Core	204.0	206.0	Acme	SMI12000045	1935505	Drill Core	3.63	0.102	<2	<0.3	452	6	3	80	2	7	1002	4.29	<2	3	38	<0.5	<3	<3	73	1.85	0.13	9	4	1.18	483	0.002	<20	1.61	0.05	0.28	<2	<5	<1	7	0.48	5	16-Jul-12
CA1201	Drill Core	206.0	208.0	Acme	SMI12000045	1935506	Drill Core	3.90	0.283	<2	0.6	733	7	6	32	3	13	1038	5.37	41	2	45	<0.5	<3	<3	15	2.84	0.12	7	1	0.28	27	<0.001	<20	0.7	0.01	0.40	<2	<5	<1	<5	5.47	<5	16-Jul-12
CA1201	Drill Core	208.0	210.0	Acme	SMI12000045	1935507	Drill Core	3.92	0.379	<2	2.6	1022	9	10	70	3	11	1367	5.33	33	2	39	<0.5	<3	5	41	2.43	0.12	6	3	0.77	40	0.001	<20	1.17	0.02	0.39	<2	<5	<1	5	3.53	<5	16-Jul-12
CA1201	Drill Core	210.0	212.0	Acme	SMI12000045	1935508	Drill Core	3.13	0.034	<2	<0.3	312	14	4	66	2	9	1369	3.51	3	<2	61	<0.5	<3	<3	65	2.89	0.13	10	4	0.96	519	0.003	<20	1.4	0.04	0.35	<2	<5	<1	<5	0.46	5	16-Jul-12
CA1201	Drill Core	212.0	214.0	Acme	SMI12000045	1935509	Drill Core	3.56	0.045	<2	<0.3	528	37	4	57	2	8	1219	3.35	<2	3	56	<0.5	<3	<3	58	2.83	0.13	10	3	0.84	659	0.002	<20	1.29	0.04	0.36	<2	<5	<1	<5	0.27	5	16-Jul-12
CA1201	Drill Core	214.0	216.0	Acme	SMI12000045	1935510	Drill Core	3.21	0.147	<2	0.5	1105	16	4	68	2	10	980	3.54	<2	3	48	<0.5	<3	<3	61	2.24	0.13	10	4	1.08	552	0.003	<20	1.46	0.05	0.30	<2	<5	<1	<5	0.51	<5	16-Jul-12
CA1201	Drill Core	216.0	218.0	Acme	SMI12000045	1935511	Drill Core	3.23	0.156	<2	0.4	1012	6	4	73	2	8	1009	3.50	<2	3	53	<0.5	<3	<3	55	2.24	0.13	9	4	1	314	0.002	<20	1.21	0.05	0.35	<2	<5	<1	<5	0.54	<5	16-Jul-12
CA1201	Drill Core	218.0	220.0	Acme	SMI12000045	1935512	Drill Core	3.43	0.195	<2	<0.3	707	9	3	31	2	11	1166	3.01	<2	2	58	<0.5	<3	<3	27	2.66	0.13	9	3	0.76	379	<0.001	<20	0.68	0.03	0.36	<2	<5	<1	<5	0.70	<5	16-Jul-12
CA1201	Drill Core	220.0	222.0	Acme	SMI12000045	1935513	Drill Core	2.87	0.235	<2	0.6	1366	10	4	71	2	8	863	3.36	<2	3	46	<0.5	<3	<3	41	1.81	0.13	11	4	1.08	578	0.002	<20	1.15	0.05	0.33	<2	<5	<1	<5	0.55	<5	16-Jul-12
CA1201	Drill Core	222.0	224.0	Acme	SMI12000045	1935514	Drill Core	3.69	0.115	<2	<0.3	642	12	5	82	2	8	968	3.45	<2	3	40	<0.5	<3	<3	56	1.85	0.13	10	4	1.06	481	0.002	<20	1.27	0.05	0.33	<2	<5	<1	<5	0.63	<5	16-Jul-12
CA1201	Drill Core	224.0	226.0	Acme	SMI12000045	1935515	Drill Core	3.70	0.106	<2	0.5	470	8	5	68	2	8	1164	3.42	4	2	46	<0.5	<3	<3	48	2.59	0.13	10	4	0.78	183	0.001	<20	1.09	0.03	0.37	<2	<5	<1	<5	1.25	<5	16-Jul-12

All assays ppm except Ca, Fe, K, Na, Mg, P, S, Ti in %

hole_id	Material	FROM	TO	Lab	Job	Sample	Type	Wgt	Au-fa	Au	Ag	Cu	Mo	Pb	Zn	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc	Date
CA1201	Drill Core	226.0	228.0	Acme	SMI12000045	1935516	Drill Core	4.39	0.546	<2	1.3	1611	24	<3	52	2	8	1241	4.00	14	2	50	<0.5	<3	<3	32	3.18	0.11	8	3	0.69	96	<0.001	<20	0.98	0.02	0.35	<2	<5	<1	<5	2.51	<5	16-Jul-12
CA1201	Drill Core	228.0	230.0	Acme	SMI12000045	1935517	Drill Core	3.53	0.375	<2	0.9	2010	28	6	85	2	8	1176	3.64	<2	3	39	<0.5	<3	<3	48	2.16	0.13	9	4	1.13	327	0.001	<20	1.37	0.04	0.39	<2	<5	<1	<5	0.94	<5	16-Jul-12
CA1201	Drill Core	230.0	232.0	Acme	SMI12000045	1935518	Drill Core	2.97	0.214	<2	0.5	1519	45	4	61	2	8	1307	3.17	3	<2	69	<0.5	<3	<3	49	2.67	0.12	10	5	0.77	122	0.001	<20	1.09	0.03	0.37	<2	<5	<1	<5	0.87	<5	16-Jul-12
CA1201	Drill Core	232.0	234.0	Acme	SMI12000045	1935519	Drill Core	4.39	0.142	<2	0.5	1458	41	6	42	2	7	1043	3.08	3	2	64	<0.5	<3	<3	50	2.98	0.13	12	3	0.69	550	0.002	<20	1.01	0.03	0.38	<2	<5	<1	<5	0.48	5	16-Jul-12
CA1201	Drill Core	234.0	236.0	Acme	SMI12000045	1935520	Drill Core	2.62	0.166	<2	1.1	1390	47	5	62	2	7	1060	3.60	<2	2	52	<0.5	<3	<3	55	2.01	0.13	11	3	0.97	536	0.002	<20	1.23	0.04	0.38	<2	<5	<1	5	0.56	<5	16-Jul-12
CA1201	Drill Core	236.0	238.0	Acme	SMI12000045	1935521	Drill Core	4.31	0.155	<2	0.9	1485	71	4	75	2	8	1330	3.87	7	2	45	<0.5	<3	<3	47	2.39	0.13	10	2	0.99	82	0.001	<20	1.32	0.03	0.40	<2	<5	<1	5	1.43	<5	16-Jul-12
CA1201	Drill Core	238.0	240.0	Acme	SMI12000045	1935522	Drill Core	3.52	0.114	<2	0.5	1275	65	<3	62	2	7	1334	3.65	3	<2	53	<0.5	<3	<3	44	2.92	0.12	9	4	1.05	124	0.001	<20	1.17	0.03	0.37	<2	<5	<1	<5	1.09	<5	16-Jul-12
CA1201	Drill Core	240.0	242.0	Acme	SMI12000045	1935523	Drill Core	3.52	0.037	<2	<0.3	458	26	<3	41	2	7	1186	3.44	3	3	52	<0.5	<3	<3	43	2.75	0.13	10	4	0.94	574	<0.001	<20	0.79	0.04	0.39	<2	<5	<1	<5	0.48	<5	16-Jul-12
CA1201	Drill Core	242.0	244.0	Acme	SMI12000045	1935524	Drill Core	3.72	0.050	<2	<0.3	657	46	<3	65	1	9	1131	3.87	6	2	44	<0.5	<3	3	62	2.3	0.13	11	4	1.11	706	0.002	<20	1.24	0.05	0.33	<2	<5	<1	5	0.32	5	16-Jul-12
CA1201	blank			Acme	SMI12000045	1935525	Rock	0.76	<0.005	4	0.5	<1	<1	24	<1	<1	<1	29	0.03	8	<2	4682	<0.5	<3	12	<1	>40.00	0.01	<1	4	2.16	6	0.001	<20	0.05	0.05	0.02	<2	11	<1	<5	0.10	<5	16-Jul-12
CA1201	Drill Core	244.0	246.0	Acme	SMI12000045	1935526	Drill Core	3.43	0.096	<2	0.4	1085	36	4	59	<1	8	949	3.59	<2	2	35	<0.5	<3	<3	57	2.2	0.13	10	4	1.05	549	0.002	<20	1.17	0.04	0.37	<2	<5	<1	<5	0.37	<5	16-Jul-12
CA1201	Drill Core	246.0	248.0	Acme	SMI12000045	1935527	Drill Core	3.19	0.025	<2	<0.3	461	21	<3	51	<1	7	1264	3.51	6	<2	72	<0.5	<3	<3	51	2.74	0.13	10	3	0.98	1078	<0.001	<20	1.01	0.04	0.41	<2	<5	<1	<5	0.30	5	16-Jul-12
CA1201	Drill Core	248.0	250.0	Acme	SMI12000045	1935528	Drill Core	2.71	0.139	<2	0.6	1899	39	6	62	1	9	1002	3.96	3	<2	46	<0.5	<3	<3	41	2.2	0.13	6	2	1	72	<0.001	<20	0.99	0.04	0.35	<2	<5	<1	<5	1.89	<5	16-Jul-12
CA1201	Drill Core	250.0	252.0	Acme	SMI12000045	1935529	Drill Core	3.36	0.056	<2	<0.3	327	14	<3	52	2	8	1111	4.15	8	<2	47	<0.5	<3	<3	32	2.84	0.14	5	3	0.93	39	<0.001	<20	1.05	0.03	0.35	<2	<5	<1	<5	3.03	<5	16-Jul-12
CA1201	Drill Core	252.0	254.0	Acme	SMI12000045	1935530	Drill Core	2.39	0.078	<2	0.4	93	3	<3	29	4	9	1434	4.28	13	<2	62	<0.5	<3	4	13	3.88	0.13	8	4	0.61	38	<0.001	<20	0.85	0.02	0.29	<2	<5	<1	<5	3.67	<5	16-Jul-12
CA1201	Drill Core	254.0	256.0	Acme	SMI12000045	1935531	Drill Core	4.19	0.113	<2	0.6	104	2	6	61	<1	14	1555	4.94	13	<2	85	<0.5	<3	8	41	4.46	0.17	9	2	1.07	99	0.001	<20	1.55	0.02	0.35	<2	<5	<1	6	2.03	7	16-Jul-12
CA1201	Drill Core	256.0	258.0	Acme	SMI12000045	1935532	Drill Core	4.50	0.174	<2	0.9	2511	2	7	5	2	10	990	4.52	10	<2	137	<0.5	<3	4	9	4.08	0.13	3	1	0.23	10	<0.001	<20	0.48	0.02	0.34	<2	<5	<1	<5	5.08	<5	16-Jul-12
CA1201	Drill Core	258.0	260.0	Acme	SMI12000045	1935533	Drill Core	3.70	0.111	<2	<0.3	48	1	5	34	5	14	1216	4.96	7	<2	69	<0.5	<3	<3	31	3.87	0.14	5	5	1.09	15	<0.001	<20	1.07	0.02	0.34	<2	<5	<1	<5	4.13	6	16-Jul-12
CA1201	Drill Core	260.0	262.0	Acme	SMI12000045	1935534	Drill Core	3.84	0.126	<2	0.9	108	1	3	11	4	13	992	4.31	13	<2	56	<0.5	<3	<3	14	2.98	0.16	4	2	0.67	23	<0.001	<20	0.62	0.02	0.34	<2	<5	<1	<5	4.19	<5	16-Jul-12
CA1201	Drill Core	262.0	264.0	Acme	SMI12000045	1935535	Drill Core	4.40	0.048	<2	0.4	14	1	<3	15	2	10	1316	3.89	9	<2	77	<0.5	<3	<3	18	4.07	0.16	4	1	0.62	52	<0.001	<20	0.79	0.02	0.34	<2	<5	<1	<5	3.35	6	16-Jul-12
CA1201	Drill Core	264.0	266.0	Acme	SMI12000045	1935536	Drill Core	4.24	0.049	<2	0.5	19	1	<3	15	3	16	1015	4.58	11	<2	71	<0.5	<3	<3	18	3.75	0.15	5	1	0.56	29	<0.001	<20	0.65	0.02	0.30	<2	<5	<1	<5	4.71	6	16-Jul-12
CA1201	Drill Core	266.0	268.0	Acme	SMI12000045	1935537	Drill Core	4.48	0.014	<2	0.5	14	1	<3	28	3	19	882	6.71	14	<2	62	<0.5	<3	<3	28	2.89	0.14	2	<1	0.72	11	<0.001	<20	0.78	0.03	0.32	<2	<5	<1	<5	7.28	5	16-Jul-12
CA1201	Drill Core	268.0	270.0	Acme	SMI12000045	1935538	Drill Core	4.50	0.040	<2	0.4	57	<1	5	22	3	12	840	3.74	10	<2	72	<0.5	<3	<3	21	3.42	0.16	5	2	0.51	37	<0.001	<20	0.78	0.02	0.33	<2	<5	<1	<5	3.71	6	16-Jul-12
CA1201	Drill Core	270.0	272.0	Acme	SMI12000045	1935539	Drill Core	4.55	0.062	<2	0.5	85	<1	7	18	3	14	938	4.21	7	<2	66	<0.5	<3	3	18	3.61	0.15	4	2	0.64	38	<0.001	<20	0.69	0.02	0.35	<2	<5	<1	<5	4.31	5	16-Jul-12
CA1201	Drill Core	272.0	274.0	Acme	SMI12000045	1935540	Drill Core	4.39	0.193	<2	2.1	224	1	4	6	3	14	615	5.05	12	<2	36	<0.5	<3	5	11	2.21	0.15	3	3	0.27	33	<0.001	<20	0.5	0.01	0.34	<2	<5	<1	<5	5.72	<5	16-Jul-12
CA1201	Drill Core	274.0	276.0	Acme	SMI12000045	1935541	Drill Core	4.39	0.075	<2	0.6	27	3	<3	6	3	19	845	5.56	15	<2	64	<0.5	<3	6	11	3.58	0.15	5	1	0.23	29	<0.001	<20	0.53	0.01	0.34	<2	<5	<1	<5	6.22	<5	16-Jul-12
CA1201	Drill Core	276.0	278.0	Acme	SMI12000045	1935542	Drill Core	4.10	0.097	<2	0.8	150	<1	4	15	4	11	900	4.40	11	<2	67	<0.5	<3	3	16	3.33	0.14	4	2	0.52	13	<0.001	<20	0.72	0.02	0.33	<2	<5	<1	<5	4.38	<5	16-Jul-12
CA1201	Drill Core	278.0	280.0	Acme	SMI12000045	1935543	Drill Core	3.84	0.129	<2	0.3	55	1	<3	50	2	8	866	4.44	8	<2	76	<0.5	<3	4	54	2.33	0.14	4	3	1.2	20	0.001	<20	1.44	0.03	0.29	<2	<5	<1	6	3.09	<5	16-Jul-12
CA1201	Drill Core	280.0	282.0	Acme	SMI12000045	1935544	Drill Core	3.00	0.091	<2	<0.3	56	<1	4	45	2	7	857	3.86	10	<2	91	<0.5	<3	5	45	2.28	0.15	5	3	1.19	25	0.001	<20	1.28	0.04	0.34	<2	<5	<1	<5	2.52	<5	16-Jul-12
CA1201	Drill Core	282.0	284.0	Acme	SMI12000045	1935545	Drill Core	3.09	0.088	<2	<0.3	39	<1	4	55	2	8	802	4.11	6	<2	99	<0.5	<3	<3	71	2.1	0.14	4	3	1.28	22	0.002	<20	1.58	0.05	0.28	<2	<5	<1	6	2.64	5	16-Jul-12
CA1201	Drill Core	284.0	286.0	Acme	SMI12000045	1935546	Drill Core	3.60	0.387	<2	0.3	118	<1	3	41	2	7	802	4.51	21	<2	105	<0.5	<3	4	51	2.26	0.15	4	2	1.28	17	0.001	<20	1.27	0.04	0.33	<2	<5	<1	<5	3.53	6	16-Jul-12
CA1201	Drill Core	286.0	288.0	Acme	SMI12000045	1935547	Drill Core	3.83	0.169	<2	<0.3	66	<1	5	24	2	13	1045	4.24	5	<2	107	<0.5	<3	6	31	3.1	0.15	4	2	1.12	16	<0.001	<20	0.89	0.03	0.30	<2	<5	<1	<5	3.51	6	16-Jul-12
CA1201	Drill Core	288.0	290.0	Acme	SMI12000045	1935548	Drill Core	4.12	0.092	<2	<0.3	113	<1	3	12	2	10	1445	3.97	4	<2	120	<0.5	<3	<3	15	4.24	0.14	4	1	1.14	18	<0.001	<20	0.52	0.04	0.33	<2	<5	<1	<5	3.15	7	16-Jul-12
CA1201	Drill Core	290.0	292.0	Acme	SMI12000045	1935549	Drill Core	3.64	0.098	<2	<0.3	63	<1	4	9	3	16	1141	4.41	7	<2	81	<0.5	<3	4	14	3.89	0.14	4	2	0.82	24	<0.001	<20	0.53	0.02	0.32	<2	<5	<1	<5	3.99	5	16-Jul-12
CA1201	Std CDN CM-22			Acme	SMI12000045	1935550	Rock Pulp	0.08	0.817	<2	1.3	9658	204	7	45	26	14	542	3.85	6	3	77	<0.5	<3	4	56	1.07	0.06	9	30	0.72	120	0.104	<20	1.51	0.11	0.22	7	<5	<1	10	1.34	5	16-Jul-12
CA1201	Drill Core	292.0	294.0	Acme	SMI12000045	1935551	Drill Core	1.69	0.083	<2	<0.3	28	2	5	6	3	14	725	5.67	10	<2	62	<0.5	<3	3	14	3.03	0.16	4	<1	0.46	11	<0.001	<20	0.65	0.02	0.37	<2	<5	<1	<5	5.86	<5	16-Jul-12
CA1201	Drill Core	294.0	296.0	Acme	SMI12000045	1935552	Drill Core	3.72	0.104	<2	0.4	71	2	3	7	3	14	755	4.25	7	<2	64	<0.5	<3	3	13	3.26	0.17	4	1	0.35	48	<0.001	<20	0.65	0.02	0.33	<2	<5	<1	<5	4.28	5	16-Jul-12
CA1201	Drill Core	296.0	298.0	Acme	SMI12000045	1935553	Drill Core	3.92	0.005	<2	<0.3	15	<1	9	87	45	28	1137	4.86	2	<2	102	0.6	<3	<3	118	5.25	0.08	6	108	2.94	42	0.002	<20	3.35	0.05	0.19	<2	<5	<1	10	0.13	13	16-Jul-12
CA1201	Drill Core	298.0	300.0	Acme	SMI12000045	1935554	Drill Core	3.06	<0.005	<2	<0.3	1	<1	11	92	46	27	1026	4.49	<2	<2	99	0.7	<3	<3	109	5.3	0.07	5	110	2.77	45	0.001	<20	3.34	0.03	0.18	<2	<5	<1	11	<0.05	12	16-Jul-12
CA1201	Drill Core	300.0	302.0	Acme	SMI12000045	1935555	Drill Core	2.87	0.124	<2	<0.3	68	3	5	62	22	20	949	4.90	4	<2	109	0.6	<3	5	58	4.29	0.11	5	53	1.79	46	<0.001	<20	2.21	0.03	0.27	<2	<5	<1	7	2.69	8	16-Jul-12
CA1201	Drill Core	302.0	304.0	Acme	SMI12000045	1935556	Drill Core	2.14	0.107	<2	<0.3	183	4	<3	49	1	6	779	3.85	2	<2	140	0.8	<3	7	39	3.51	0.15	4	3	1.29	61	0.001	<20	1.48	0.04	0.27	<2	<5	<1	<5	2.68	<5	16-Jul-12
CA1201	Drill Core	304.0	306.0	Acme	SMI12000045	1935557	Drill Core	4.75	0.181	<2	0.5	244	7	3	40	<1	10	651	4.48	5	<2	269	<0.5	<3	<3	42	3.7	0.15	4	2	0.98	15	0.001	<20	1.14	0.03	0.29	<2	<5	<1	<5	4.95	<5	16-Jul-12
CA1201	Drill Core	306.0	308.0	Acme	SMI12000045	1935558	Drill Core	4.35	0.312	<2	0.7	343	6	7	49	1	10	607	4.70	7	<2	258	<0.5	<3	5	45	3.54	0.15	3	4	0.92	12	0.001	<20	1.32	0.03	0.31	<2	<5	<1	6	5.18	<5	16-Jul-12
CA1201	Drill Core	308.0	310.0	Acme	SMI12000045	1935559	Drill Core	4.54	1.406	<2	2.3	547	13	3	16	1	12	301	5.75	11	<2	272	<0.5	<3	3	15	2.87	0.14	2	2	0.29	15	0.001	<20	0.75	0.01	0.34	<2	<5	<1	<5	7.67	<5	16-Jul-12
CA1201	Drill Core	310.0	312.0	Acme	SMI12000045	1935560	Drill Core	4.39	0.349	<2	0.7	200	2	4	20	1	10	328	5.08	10	<2	255	<0.5	<3	<3	17	3.6	0.15	3	3	0.4	13	0.001	<20	0.82	0.01	0.32	<2	<5	<1	<5	7.13	<5	16-Jul-12
CA1201	Drill Core	312.0	314.0	Acme	SMI12000045	1935561	Drill Core	4.20	0.253	<2	<0.3	148	2	<3	57	1	7	577	4.46	7	<2	255	<0.5	<3	<3	59	3.81	0.17	4	4	0.96	19	0.001	<20	1.58	0.03	0.33	<2	<5	<1	6	4.00	<5	16-Jul-12
CA1201	Drill Core	314.0	316.0	Acme	SMI12000045	1935562	Drill Core	4.46	0.311	<2	1.3	534	1	7	62	1	10	495	4.08	6	<2	223	<0.5	<3	<3	62	2.9	0.16	4	4	1.02	22	0.002	<20	1.48	0.03	0.28	<2	<5	<1	6	3.83	<5	16-Jul-12
CA1201	Drill Core	316.0	318.0	Acme	SMI12000045	1935563	Drill Core	4.43	0.381	<2	0.9	700	3	<3	67	<1	13	518	4.10	6	2	247	<0.5	<3	3	68	2.83	0.16	4	3	1.09	18	0.002	<20	1.51	0.04	0.25	<2	<5	<1	7	3.70	<5	16-Jul-12
CA1201	Drill Core	318.0	320.0	Acme	SMI12000045	1935564	Drill Core	4.46	0.133	<2	<0.3	124	5	<3	54	1	10	361	4.91	3	<2	227	<0.5	<3	<3	53	3.4	0.15	4	4	0.87	13	0.002	<20	1.11	0.04	0.23	<2	<5	<1	<5	6.45	<5	16-Jul-12
CA1201	Drill Core	320.0	322.0	Acme	SMI12000045	1935565	Drill Core	4.34	0.119	<2	<0.3	151	4	4	75	<1	10	507	4.29	5	<2	163	<0.5	<3	<3	63	2.8	0.16	4	3	1.15	35	0.001	<20	1.31	0.04	0.22	<2	<5	<1	6	4.87	<5	16-Jul-12
CA1201	Drill Core	322.0	324.0	Acme	SMI12000045	1935566	Drill Core	4.15	0.122	<2	<0.3	103	2	5	76	8	14	730	4.56	5	<2	166	<0.5	<3	<3	72	2.65	0.16	4	12	1.45	17	0.002	<20	1.57	0.05	0.23	<2	<5	<1	7	4.21	6	16-Jul-12
CA1201	Drill Core	324.0	326.0	Acme	SMI12000045	1935567	Drill Core	2.17	0.110	<2	<0.3	253	<1	<3	46	<1	8	676	3.08	4	<2	130	<0.5	<3	<3	52	3.5	0.18	6	3	0.97	35	<0.001	<20	1.33	0.03	0.32	<2	<5	<1	<5	2.25	6	16-Jul-12
CA1201	Drill Core	326.0	328.0	Acme	SMI12000045	1935568	Drill Core	3.89	0.322	<2	0.5	468	2	8	25	1	13	547	5.11	6	<2	173	<0.5	<3	5	30	3.86	0.15	3	3	0.65	8	<0.001	<20	0.87	0.02	0.33	<2	<5	<1	<5	5.63	<5	16-Jul-12
CA1201	Drill Core	328.0	330.0	Acme	SMI12000045	1935569	Drill Core	3.88	0.154	<2	<0.3	106	3	<3	9	2	13	339	5.04	5	<2	87	<0.5	<3	5	12	2.06	0.17	4	2	0.09	10	<0.001	<20	0.59	0.02	0.38	<2	<5	<1	<5	5.89	<5	16-Jul-12
CA1201	Drill Core	330.0	332.0	Acme	SMI12000045	1935570	Drill Core	4.63	0.165	<2	0.4	358	3	4	7	2	14	304	5.54	6	<2	103	<0.5	<3	<3	11	1.93	0.15	2	1	0.09	7	<0.001	<20	0.55	0.02	0.37	<2	<5	<1	<5	6.32	<5	16-Jul-12
CA1201	Drill Core	332.0	334.0	Acme	SMI12000045	1935571	Drill Core	4.81	0.079	<2	<0.3	55	2	<3	7	<1	4	887	1.87	3	8	61	<0.5	<3	<3	2	2.34	0.03	12	2	0.12	133	<0.001	<20	0.55	0.01	0.34	<2	<5	<1	<5	1.50	<5	16-Jul-12
CA1201	Drill Core	334.0	336.0	Acme	SMI12000045	1935572	Drill Core	4.23	0.005	<2	<0.3	8	3	<3	8	<1	1	1191	0.78	5	10	82	<0.5	<3	<3	<1	2.76	0.01	20	2	0.12	374	<0.001	<20	0.53	0.01	0.34	<2	<5	<1	<5	0.12	<5	16-Jul-12

All assays ppm except Ca, Fe, K, Na, Mg, P, S, Ti in %

hole_id	Material	FROM	TO	Lab	Job	Sample	Type	Wgt	Au-fa	Au	Ag	Cu	Mo	Pb	Zn	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc	Date
CA1201	Drill Core	336.0	338.0	Acme	SMI12000045	1935573	Drill Core	4.13	0.372	<2	0.4	1233	3	6	22	2	11	2018	2.96	8	<2	152	<0.5	<3	<3	20	5.19	0.08	7	3	0.35	29	<0.001	<20	0.79	0.02	0.34	<2	<5	<1	<5	1.96	5	16-Jul-12
CA1201	Drill Core	338.0	340.0	Acme	SMI12000045	1935574	Drill Core	1.04	0.078	<2	0.8	368	10	10	106	4	15	1278	6.69	12	<2	64	<0.5	<3	<3	61	1.73	0.11	3	<1	1.37	16	0.001	<20	1.87	0.03	0.26	<2	<5	<1	6	4.16	8	16-Jul-12
CA1201	dup			Acme	SMI12000045	1935575	Drill Core	1.07	0.066	<2	0.4	311	5	6	103	3	12	1235	4.67	8	<2	58	<0.5	<3	<3	59	1.59	0.10	3	4	1.38	64	0.001	<20	1.88	0.03	0.25	<2	<5	<1	6	2.06	8	16-Jul-12
CA1201	Drill Core	340.0	342.0	Acme	SMI12000045	1935576	Drill Core	4.19	0.042	<2	0.7	109	3	8	74	5	19	2570	6.38	21	<2	75	<0.5	<3	4	24	2.84	0.13	3	<1	1.19	20	<0.001	<20	0.81	0.02	0.33	<2	<5	<1	<5	6.75	7	16-Jul-12
CA1201	Drill Core	342.0	344.0	Acme	SMI12000045	1935577	Drill Core	4.57	0.033	<2	1.3	198	2	11	236	4	19	2728	6.11	18	<2	171	1.6	<3	<3	16	4.12	0.13	3	1	0.96	8	<0.001	<20	0.55	0.02	0.32	<2	<5	<1	<5	7.10	6	16-Jul-12
CA1201	Drill Core	344.0	346.0	Acme	SMI12000045	1935578	Drill Core	4.39	0.025	<2	0.6	80	1	8	360	4	18	2154	6.48	18	<2	87	2.6	<3	<3	18	3.31	0.14	4	<1	0.59	8	<0.001	<20	0.61	0.02	0.32	<2	<5	<1	<5	7.12	5	16-Jul-12
CA1201	Drill Core	346.0	348.1	Acme	SMI12000045	1935579	Drill Core	4.16	0.415	<2	5.3	427	1	16	108	4	20	2348	8.08	50	<2	99	0.5	3	7	31	3.55	0.12	4	<1	0.85	9	<0.001	<20	0.93	0.02	0.29	<2	<5	<1	<5	8.37	6	16-Jul-12
CA1201	Drill Core	116.0	118.0	Acme	SMI12000045	1935459	PD	4.17	0.213	<2	1.1	494	<1	18	41	2	5	1083	10.85	70	<2	24	0.7	<3	29	18	1.62	0.11	3	4	0.56	16	<0.001	<20	1	0.01	0.34	<2	<5	<1	<5	>10.00	<5	16-Jul-12
CA1201	Drill Core	116.0	118.0	Acme	SMI12000045	1935459	REP		0.194																																			16-Jul-12
CA1201	Drill Core	32.0	34.0	Acme	SMI12000045	1935415	PD	3.84	0.047	<2	0.8	1	2	6	99	2	13	1794	4.30	23	2	47	<0.5	<3	5	58	3.56	0.16	6	4	1.16	150	0.003	<20	1.72	0.05	0.40	<2	<5	<1	<5	3.27	6	16-Jul-12
CA1201	Drill Core	32.0	34.0	Acme	SMI12000045	1935415	REP		0.044																																			16-Jul-12
CA1201	Drill Core	206.0	208.0	Acme	SMI12000045	1935506	PD	3.90	0.283	<2	0.6	733	7	6	32	3	13	1038	5.37	41	2	45	<0.5	<3	<3	15	2.84	0.12	7	1	0.28	27	<0.001	<20	0.7	0.01	0.40	<2	<5	<1	<5	5.47	<5	16-Jul-12
CA1201	Drill Core	206.0	208.0	Acme	SMI12000045	1935506	REP		0.251																																			16-Jul-12
CA1201	Drill Core	52.0	54.0	Acme	SMI12000045	1935426	PD	4.09	0.026	<2	<0.3	3	1	4	72	2	11	1228	4.13	15	<2	46	<0.5	<3	<3	43	3.36	0.16	5	3	0.88	82	0.002	<20	1.32	0.03	0.35	<2	<5	<1	<5	3.43	<5	16-Jul-12
CA1201	Drill Core	52.0	54.0	Acme	SMI12000045	1935426	REP			<2	<0.3	2	2	<3	71	2	12	1252	4.14	16	<2	48	<0.5	<3	4	46	3.48	0.15	5	3	0.89	94	0.002	<20	1.43	0.04	0.39	<2	<5	<1	<5	3.51	5	16-Jul-12
CA1201	Drill Core	88.0	90.0	Acme	SMI12000045	1935444	PD	4.44	0.072	<2	0.3	127	5	<3	14	2	17	644	4.81	<2	<2	35	<0.5	<3	<3	11	2.52	0.11	4	2	0.2	15	<0.001	<20	0.62	0.02	0.34	<2	<5	<1	<5	5.27	<5	16-Jul-12
CA1201	Drill Core	88.0	90.0	Acme	SMI12000045	1935444	REP			<2	<0.3	126	5	4	16	2	17	667	4.85	<2	<2	35	<0.5	<3	4	11	2.55	0.12	5	2	0.2	15	<0.001	<20	0.64	0.02	0.35	<2	<5	<1	<5	5.31	<5	16-Jul-12
CA1201	Drill Core	144.0	146.0	Acme	SMI12000045	1935473	PD	4.46	0.108	<2	0.4	110	<1	11	9	<1	8	868	5.65	20	<2	36	<0.5	<3	11	9	2.55	0.13	5	2	0.22	37	<0.001	<20	0.57	0.01	0.41	<2	5	2	<5	6.28	<5	16-Jul-12
CA1201	Drill Core	144.0	146.0	Acme	SMI12000045	1935473	REP			<2	<0.3	115	1	4	9	2	7	889	5.94	23	2	37	<0.5	<3	5	10	2.66	0.13	6	<1	0.23	39	<0.001	<20	0.6	0.01	0.41	<2	<5	<1	<5	6.43	<5	16-Jul-12
CA1201	Drill Core	20.0	22.0	Acme	SMI12000045	1935409	PD	4.17	0.226	<2	2.1	3	2	5	80	3	17	1418	5.14	15	2	36	<0.5	<3	5	42	2.76	0.16	7	4	0.91	75	0.003	<20	1.69	0.04	0.43	<2	<5	<1	<5	4.04	<5	16-Jul-12
CA1201	Drill Core	20.0	22.0	Acme	SMI12000045	1935409	REP		0.220																																			16-Jul-12
CA1201	Drill Core	302.0	304.0	Acme	SMI12000045	1935556	PD	2.14	0.107	<2	<0.3	183	4	<3	49	1	6	779	3.85	2	<2	140	0.8	<3	7	39	3.51	0.15	4	3	1.29	61	0.001	<20	1.48	0.04	0.27	<2	<5	<1	<5	2.68	<5	16-Jul-12
CA1201	Drill Core	302.0	304.0	Acme	SMI12000045	1935556	REP			<2	<0.3	182	4	8	49	1	6	776	3.91	<2	<2	142	0.8	<3	<3	39	3.52	0.16	5	3	1.3	67	0.001	<20	1.51	0.04	0.28	<2	<5	<1	<5	2.66	<5	16-Jul-12
CA1201	Drill Core	270.0	272.0	Acme	SMI12000045	1935539	PD	4.55	0.062	<2	0.5	85	<1	7	18	3	14	938	4.21	7	<2	66	<0.5	<3	3	18	3.61	0.15	4	2	0.64	38	<0.001	<20	0.69	0.02	0.35	<2	<5	<1	<5	4.31	5	16-Jul-12
CA1201	Drill Core	270.0	272.0	Acme	SMI12000045	1935539	REP			<2	0.5	86	<1	4	18	2	14	931	4.20	8	<2	66	<0.5	<3	3	18	3.6	0.16	4	2	0.64	40	<0.001	<20	0.69	0.02	0.36	<2	<5	<1	<5	4.29	5	16-Jul-12
CA1201	Drill Core	346.0	348.1	Acme	SMI12000045	1935579	PD	4.16	0.415	<2	5.3	427	1	16	108	4	20	2348	8.08	50	<2	99	0.5	3	7	31	3.55	0.12	4	<1	0.85	9	<0.001	<20	0.93	0.02	0.29	<2	<5	<1	<5	8.37	6	16-Jul-12
CA1201	Drill Core	346.0	348.1	Acme	SMI12000045	1935579	REP			<2	5.3	424	1	15	107	4	20	2332	8.10	49	<2	98	<0.5	<3	4	30	3.53	0.12	4	<1	0.84	10	<0.001	<20	0.93	0.02	0.29	<2	<5	<1	<5	8.35	6	16-Jul-12
CA1201	Drill Core	202.0	204.0	Acme	SMI12000045	1935504	PD	3.25	0.194	<2	<0.3	509	11	4	72	3	12	1092	4.95	8	3	32	0.5	<3	<3	50	1.87	0.14	5	4	1.06	73	0.001	<20	1.66	0.04	0.35	<2	<5	<1	6	2.73	<5	16-Jul-12
CA1201	Drill Core	202.0	204.0	Acme	SMI12000045	1935504	REP			<2	<0.3	499	9	<3	69	1	12	1081	4.89	6	3	32	<0.5	<3	<3	49	1.81	0.13	5	4	1.03	77	0.002	<20	1.67	0.04	0.35	<2	<5	<1	6	2.62	<5	16-Jul-12
CA1201	Drill Core	336.0	338.0	Acme	SMI12000045	1935573	PD	4.13	0.372	<2	0.4	1233	3	6	22	2	11	2018	2.96	8	<2	152	<0.5	<3	<3	20	5.19	0.08	7	3	0.35	29	<0.001	<20	0.79	0.02	0.34	<2	<5	<1	<5	1.96	5	16-Jul-12
CA1201	Drill Core	336.0	338.0	Acme	SMI12000045	1935573	REP			<2	0.5	1230	3	7	22	3	11	2010	2.84	7	<2	150	<0.5	<3	<3	20	5.14	0.09	7	3	0.34	33	<0.001	<20	0.78	0.02	0.33	<2	<5	<1	<5	1.89	5	16-Jul-12
CA1201	Drill Core	10.0	12.0	Acme	SMI12000045	1935404	PREP	4.33	0.007	<2	<0.3	7	1	<3	75	2	7	2043	3.53	17	<2	62	<0.5	<3	<3	48	4.5	0.16	6	4	0.81	235	0.003	<20	1.92	0.04	0.47	<2	<5	<1	6	1.03	8	16-Jul-12
CA1201	Drill Core	10.0	12.0	Acme	SMI12000045	1935404	DUP	<0.01	0.007	<2	<0.3	6	1	<3	73	2	7	1978	3.43	14	<2	60	<0.5	<3	<3	45	4.44	0.15	5	2	0.8	223	0.003	<20	1.77	0.03	0.43	<2	<5	<1	<5	0.95	7	16-Jul-12
CA1201	Drill Core	76.0	78.0	Acme	SMI12000045	1935438	PREP	3.82	0.081	<2	0.4	249	6	6	36	2	11	1529	4.37	<2	<2	52	<0.5	<3	<3	21	3.66	0.12	6	3	0.49	13	<0.001	<20	1.01	0.02	0.34	<2	<5	<1	<5	3.94	<5	16-Jul-12
CA1201	Drill Core	76.0	78.0	Acme	SMI12000045	1935438	DUP	<0.01	0.078	<2	0.3	238	5	<3	36	2	11	1575	4.42	<2	<2	54	<0.5	<3	<3	21	3.77	0.13	6	2	0.49	13	<0.001	<20	1.04	0.02	0.36	<2	<5	<1	<5	4.00	<5	16-Jul-12
CA1201	Drill Core	142.0	144.0	Acme	SMI12000045	1935472	PREP	3.39	0.291	<2	0.3	241	<1	5	6	<1	6	2039	3.18	13	<2	121	<0.5	<3	3	7	9.76	0.10	13	2	0.14	99	<0.001	<20	0.55	0.01	0.34	<2	<5	<1	<5	3.09	<5	16-Jul-12
CA1201	Drill Core	142.0	144.0	Acme	SMI12000045	1935472	DUP	<0.01	0.273	<2	<0.3	243	<1	<3	6	<1	6	1992	3.20	12	<2	116	<0.5	<3	4	7	9.56	0.10	13	1	0.14	109	<0.001	<20	0.54	0.01	0.34	<2	<5	<1	<5	3.09	<5	16-Jul-12
CA1201	Drill Core	206.0	208.0	Acme	SMI12000045	1935506	PREP	3.90	0.283	<2	0.6	733	7	6	32	3	13	1038	5.37	41	2	45	<0.5	<3	<3	15	2.84	0.12	7	1	0.28	27	<0.001	<20	0.7	0.01	0.40	<2	<5	<1	<5	5.47	<5	16-Jul-12
CA1201	Drill Core	206.0	208.0	Acme	SMI12000045	1935506	DUP	<0.01	0.266	<2	0.7	765	8	5	33	3	13	1094	5.51	43	2	48	<0.5	<3	3	16	2.91	0.12	7	3	0.3	28	<0.001	<20	0.73	0.01	0.40	<2	<5	<1	<5	5.59	<5	16-Jul-12
CA1201	Drill Core	272.0	274.0	Acme	SMI12000045	1935540	PREP	4.39	0.193	<2	2.1	224	1	4	6	3	14	615	5.05	12	<2	36	<0.5	<3	5	11	2.21	0.15	3	3	0.27	33	<0.001	<20	0.5	0.01	0.34	<2	<5	<1	<5	5.72	<5	16-Jul-12
CA1201	Drill Core	272.0	274.0	Acme	SMI12000045	1935540	DUP	<0.01	0.256	<2	2.5	235	1	6	7	2	14	623	5.02	11	2	36	<0.5	<3	6	12	2.24	0.15	3	2	0.27	41	<0.001	<20	0.55	0.01	0.37	<2	<5	<1	<5	5.71	<5	16-Jul-12
CA1201	Drill Core	338.0	340.0	Acme	SMI12000045	1935574	PREP	1.04	0.078	<2	0.8	368	10	10	106	4	15	1278	6.69	12	<2	64	<0.5	<3	<3	61	1.73	0.11	3	<1	1.37	16	0.001	<20	1.87	0.03	0.26	<2	<5	<1	6	4.16	8	16-Jul-12
CA1201	Drill Core	338.0	340.0	Acme	SMI12000045	1935574	DUP	<0.01	0.078	<2	0.7	348	11	8	108	4	15	1350	6.40	12	<2	65	<0.5	<3	3	64	1.76	0.11	3	3	1.44	19	0.001	<20	1.96	0.03	0.26	<2	<5	<1	5	3.67	8	16-Jul-12
CA1202	Drill Core	6.1	8.0	Acme	SMI12000069	1935580	Rock	3.74	0.063	<2	<0.3	414	27	<3	36	1	9	1205	3.01	7	<2	44	<0.5	<3	<3	16	2.52	0.11	8	1	0.35	324	0.002	<20	0.99	0.01	0.43	<2	<5	<1	<5	1.17	<5	25-Jul-12
CA1202	Drill Core	8.0	10.0	Acme	SMI12000069	1935581	Rock	2.97	0.263	<2	0.6	1168	13	<3	70	2	9	1626	4.13	11	<2	60	<0.5	<3	<3	28	4.64	0.10	7	2	0.48	188	0.002	<20	1.34	<0.01	0.40	<2	<5	<1	<5	1.70	<5	25-Jul-12
CA1202	Drill Core	10.0	12.0	Acme	SMI12000069	1935582	Rock	2.98	0.145	<2	0.6	1011	11	<3	111	2	8	1650	5.40	4	<2	36	<0.5	<3	<3	66	2.69	0.12	7	2	0.94	615	0.002	<20	1.79	0.03	0.35	<2	<5	<1	6	0.60	5	25-Jul-12
CA1202	Drill Core	12.0	14.0	Acme	SMI12000069	1935583	Rock	4.03	0.221	<2	2.2	919	9	<3	74	2	7	1828	6.60	26	<2	56	<0.5	<3	<3	44	3.35	0.10	6	4	0.74	41	0.001	<20	1.31	0.02	0.36	<2	<5	<1	<5	3.05	<5	25-Jul-12
CA1202	Drill Core	14.0	16.0	Acme	SMI12000069	1935584	Rock	4.17	0.475	<2	2.9	1084	7	23	26	2	8	722	5.60	52	<2	29	<0.5	<3	4	14	2.24	0.12	5	3	0.12	66	<0.001	<20	0.62	<0.01	0.37	<2	<5	<1	<5	5.35	<5	25-Jul-12
CA1202	Drill Core	16.0	18.0	Acme	SMI12000069	1935585	Rock	3.85	0.176	<2	0.8	821	6	<3	39	1	6	1096	3.41	7	<2	39	<0.5	<3	<3	24	3.3	0.12	6	2	0.27	120	0.002	<20	1.08	0.01	0.42	<2	<5	<1	<5	1.04	<5	25-Jul-12
CA1202	Drill Core	18.0	20.0	Acme	SMI12000069	1935586	Rock	4.03	0.196	<2	0.8	1257	6	4	39	2	7	1109	3.35	7	<2	41	<0.5	<3	<3	22	3.23	0.12	8	1	0.32	258	0.001	<20	1.06	0.01	0.41	<2	<5	<1	<5	1.39	<5	25-Jul-12
CA1202	Drill Core	20.0	22.0	Acme	SMI12000069	1935587	Rock	4.60	0.412	<2	3.7	2048	19	16	41	4	12	849	7.92	50	<2	25	<0.5	<3	5	19	2.26	0.11	5	3	0.29	52	0.001	<20	0.97	0.01	0.40	<2	<5	<1	<5	6.46	<5	25-Jul-12
CA1202	Drill Core	22.0	24.0	Acme	SMI12000069	1935588	Rock	2.97	0.523	<2	1.6	2627	31	<3	46	2	11	1162	4.61	13	<2	40	<0.5	<3	<3	25	3.07	0.11	7	2	0.53	164	0.002	<20	1.32	0.01	0.38	<2	<5	<1	<5	2.01	<5	25-Jul-12
CA1202	Drill Core	24.0	26.0	Acme	SMI12000069	1935589	Rock	3.21	0.295	<2	0.7	1676	15	<3	63	2	9	841	5.39	<2	2	26	<0.5	<3	<3	54	1.73	0.11	7	3	0.87	297	0.002	<20	1.56	0.03	0.35	<2	<5	<1	6	0.73	<5	25-Jul-12
CA1202	Drill Core	26.0	28.0	Acme	SMI12000069	1935590	Rock	3.21	0.273	<2	0.8	1587	20	<3	46	2	8	751	4.45	4	<2	25	<0.5	<3	<3	26	1.8	0.10	7	2	0.49	217	0.001	<20	1.19	0.02	0.40	<2	<5	<1	<5	1.85	<5	25-Jul-12
CA1202	Drill Core	28.0	30.0	Acme	SMI12000069	1935591	Rock	3.18	0.308	<2	3.4	1096	10	7	35	2	8	725	5.13	4	<2	26	<0.5	<3	<3	23	1.89	0.10	6	3	0.38	89	0.001	<20	0.99	0.02	0.40	<2	<5	1	<5	3.56	<5	25-Jul-12
CA1202	Drill Core	30.0	32.0	Acme	SMI12000069	1935592	Rock	4.52	0.686	<2	2.3	904	9	4	26	2	9	768	6.16	24	<2	31	<0.5	<3	3	13	2.59	0.12	6	2	0.22	69	<0.001	<20	0.86	0.01	0.42	<2	<5	<1	<5	5.20	<5	25-Jul-12
CA1202	Drill Core	32.0	34.0	Acme	SMI12000069	1935593	Rock	3.79	0.163	<2	0.6	1021	9	<3	36	2	7	995	2.86	<2	3	42	<0.5	<3	<3	28	3.02	0.12	9	1	0.49	403	0.001	<20	1.19	0.02	0.42	<2	<5	<1	<5	0.63	<5	25-Jul-12

All assays ppm except Ca, Fe, K, Na, Mg, P, S, Ti in %

hole_id	Material	FROM	TO	Lab	Job	Sample	Type	Wgt	Au-fa	Au	Ag	Cu	Mo	Pb	Zn	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc	Date
CA1202	Drill Core	34.0	36.0	Acme	SMI12000069	1935594	Rock	3.17	0.063	<2	<0.3	381	6	<3	67	5	7	1127	3.89	<2	3	34	<0.5	<3	<3	52	2.57	0.12	10	9	0.97	128	0.002	<20	1.61	0.03	0.35	<2	<5	<1	6	0.22	<5	25-Jul-12
CA1202	Drill Core	36.0	38.0	Acme	SMI12000069	1935595	Rock	3.23	0.075	<2	0.4	451	27	<3	80	2	7	1302	4.13	3	3	39	<0.5	<3	<3	62	2.7	0.12	11	3	0.98	426	0.002	<20	1.67	0.04	0.39	<2	<5	<1	6	0.42	<5	25-Jul-12
CA1202	Drill Core	38.0	40.0	Acme	SMI12000069	1935596	Rock	4.07	0.269	<2	0.8	1179	9	<3	31	2	7	1016	2.59	5	<2	39	<0.5	<3	<3	21	2.9	0.12	9	3	0.34	351	<0.001	<20	0.98	0.02	0.41	<2	<5	<1	<5	0.93	<5	25-Jul-12
CA1202	Drill Core	40.0	42.0	Acme	SMI12000069	1935597	Rock	3.37	0.242	<2	0.5	1072	18	<3	47	2	9	1406	3.52	3	2	60	<0.5	<3	<3	33	4.23	0.11	11	2	0.57	417	0.001	<20	1.36	0.03	0.42	<2	<5	<1	<5	0.94	<5	25-Jul-12
CA1202	Drill Core	42.0	44.0	Acme	SMI12000069	1935598	Rock	2.97	0.155	<2	0.4	911	8	<3	95	2	9	1286	4.16	<2	2	39	<0.5	<3	<3	56	2.72	0.12	11	3	0.97	254	0.003	<20	1.58	0.04	0.34	<2	<5	<1	6	0.77	<5	25-Jul-12
CA1202	Drill Core	44.0	46.0	Acme	SMI12000069	1935599	Rock	4.33	0.105	<2	<0.3	703	7	<3	120	2	9	1492	4.90	<2	2	39	<0.5	<3	<3	66	2.79	0.12	11	3	1.18	295	0.003	<20	1.74	0.06	0.26	<2	<5	<1	7	0.32	6	25-Jul-12
CA1202	Std CDN-CM-14			Acme	SMI12000069	1935600	Rock Pulp	0.07	0.788	<2	4.1	>10000	422	12	70	34	12	461	2.99	16	<2	41	0.5	<3	<3	52	0.79	0.05	5	46	0.63	128	0.103	21	1.27	0.10	0.12	26	<5	<1	<5	0.83	<5	25-Jul-12
CA1202	Drill Core	46.0	48.0	Acme	SMI12000069	1935601	Rock	2.80	0.098	<2	0.3	793	10	<3	138	2	8	1461	4.68	<2	<2	35	<0.5	<3	<3	66	2.32	0.13	12	3	1.19	119	0.004	22	1.87	0.05	0.28	<2	<5	<1	6	0.23	6	25-Jul-12
CA1202	Drill Core	48.0	50.0	Acme	SMI12000069	1935602	Rock	3.53	0.120	<2	0.4	1055	10	<3	146	2	7	1646	4.94	3	2	36	<0.5	<3	<3	64	2.52	0.12	11	3	1.33	134	0.003	<20	2.06	0.05	0.32	<2	<5	<1	7	0.25	6	25-Jul-12
CA1202	Drill Core	50.0	52.0	Acme	SMI12000069	1935603	Rock	3.73	0.207	<2	1.9	1355	9	5	120	2	8	1458	5.25	16	<2	37	<0.5	<3	<3	49	2.55	0.12	8	3	1.08	205	0.003	21	1.8	0.04	0.31	<2	<5	<1	6	1.63	<5	25-Jul-12
CA1202	Drill Core	52.0	54.0	Acme	SMI12000069	1935604	Rock	4.74	0.239	<2	0.6	1353	9	<3	86	2	10	1438	3.90	6	<2	50	<0.5	<3	<3	42	2.9	0.12	9	2	0.81	444	0.003	26	1.31	0.04	0.36	<2	<5	<1	<5	0.86	<5	25-Jul-12
CA1202	Drill Core	54.0	56.0	Acme	SMI12000069	1935605	Rock	4.02	0.194	<2	1.5	918	7	5	102	34	21	1718	5.98	18	<2	59	<0.5	<3	<3	60	3.93	0.09	6	45	1.65	109	0.003	<20	2.18	0.03	0.38	<2	<5	<1	6	2.34	8	25-Jul-12
CA1202	Drill Core	56.0	58.0	Acme	SMI12000069	1935606	Rock	4.16	0.252	<2	1.5	1197	9	5	107	25	16	1511	7.05	27	<2	48	<0.5	<3	<3	51	3.4	0.10	7	35	1.48	110	0.002	<20	2.41	0.02	0.42	<2	<5	<1	6	2.75	6	25-Jul-12
CA1202	Drill Core	58.0	60.0	Acme	SMI12000069	1935607	Rock	3.66	0.441	<2	2.7	1223	3	<3	102	11	13	1458	5.74	38	3	31	1.7	<3	4	45	2.26	0.10	6	31	1.16	26	0.001	<20	1.97	0.02	0.37	<2	<5	<1	<5	2.91	<5	25-Jul-12
CA1202	Drill Core	60.0	62.0	Acme	SMI12000069	1935608	Rock	3.66	0.270	<2	<0.3	1141	3	7	56	1	8	1320	3.50	7	3	42	1.1	<3	7	32	2.86	0.12	7	2	0.82	52	<0.001	<20	1.33	0.03	0.33	<2	<5	<1	<5	1.68	<5	25-Jul-12
CA1202	Drill Core	62.0	64.0	Acme	SMI12000069	1935609	Rock	3.77	0.299	<2	1.5	1038	4	<3	59	<1	8	1651	3.82	13	3	55	1.3	<3	5	26	3.81	0.12	7	2	0.73	58	<0.001	<20	1.5	0.02	0.35	<2	<5	<1	<5	1.40	<5	25-Jul-12
CA1202	Drill Core	64.0	66.0	Acme	SMI12000069	1935610	Rock	1.96	0.088	<2	1.4	992	15	7	36	2	7	1123	2.89	16	3	33	0.9	<3	3	18	2.96	0.13	9	3	0.34	186	<0.001	<20	1.03	0.02	0.39	9	<5	<1	<5	0.90	<5	25-Jul-12
CA1202	Drill Core	66.0	68.0	Acme	SMI12000069	1935611	Rock	2.38	0.114	<2	0.7	754	11	<3	119	2	9	1332	4.09	3	<2	25	1.3	<3	<3	61	1.76	0.13	10	3	1.15	203	0.004	<20	1.88	0.03	0.27	<2	<5	<1	<5	0.62	5	25-Jul-12
CA1202	Drill Core	68.0	70.0	Acme	SMI12000069	1935612	Rock	1.98	0.085	<2	0.4	936	12	<3	143	2	9	1306	4.29	<2	2	24	1.2	<3	<3	99	1.4	0.15	11	4	1.48	199	0.048	<20	1.91	0.06	0.19	<2	<5	<1	<5	0.29	9	25-Jul-12
CA1202	Drill Core	70.0	72.0	Acme	SMI12000069	1935613	Rock	2.58	0.144	<2	0.4	1216	13	4	138	2	9	1499	4.43	<2	3	26	1.2	<3	<3	81	1.58	0.16	10	3	1.39	276	0.031	<20	1.92	0.05	0.25	<2	<5	<1	<5	0.66	8	25-Jul-12
CA1202	Drill Core	72.0	74.0	Acme	SMI12000069	1935614	Rock	2.07	0.148	<2	0.5	761	15	4	117	3	9	1475	4.78	5	3	27	1.3	<3	<3	81	1.41	0.15	8	3	1.13	173	0.030	<20	1.77	0.06	0.27	<2	<5	<1	<5	1.18	7	25-Jul-12
CA1202	Drill Core	74.0	76.0	Acme	SMI12000069	1935615	Rock	3.35	0.095	<2	0.5	494	9	5	41	2	9	1091	2.87	10	<2	33	0.5	<3	<3	28	2.95	0.15	8	1	0.45	117	0.001	<20	0.97	0.02	0.34	<2	<5	<1	<5	1.62	<5	25-Jul-12
CA1202	Drill Core	76.0	78.0	Acme	SMI12000069	1935616	Rock	2.50	0.150	<2	<0.3	456	24	<3	33	3	13	2786	2.63	16	3	100	0.9	3	<3	18	8.03	0.13	13	<1	0.39	135	<0.001	<20	1.01	0.01	0.32	<2	<5	2	<5	1.40	<5	25-Jul-12
CA1202	Drill Core	78.0	80.0	Acme	SMI12000069	1935617	Rock	3.57	0.079	<2	<0.3	500	20	<3	34	<1	11	1092	2.41	9	3	48	0.7	<3	<3	24	3.39	0.17	8	1	0.4	263	<0.001	<20	1.16	0.02	0.45	<2	<5	<1	<5	0.90	<5	25-Jul-12
CA1202	Drill Core	80.0	82.0	Acme	SMI12000069	1935618	Rock	3.03	0.061	<2	0.3	532	12	7	27	3	15	1092	2.59	13	2	57	0.6	<3	<3	22	4.05	0.15	5	2	0.26	53	<0.001	<20	1.06	0.02	0.43	<2	<5	<1	<5	1.70	<5	25-Jul-12
CA1202	Drill Core	82.0	84.0	Acme	SMI12000069	1935619	Rock	3.80	0.090	<2	0.5	413	12	<3	22	3	15	1741	2.78	24	<2	79	0.6	<3	<3	15	6.13	0.14	9	<1	0.23	46	<0.001	<20	0.89	0.01	0.37	<2	<5	1	<5	2.13	<5	25-Jul-12
CA1202	Drill Core	84.0	86.0	Acme	SMI12000069	1935620	Rock	2.72	0.062	<2	0.5	250	7	3	22	2	14	866	2.85	6	3	36	<0.5	4	<3	20	2.75	0.16	6	2	0.29	100	<0.001	<20	0.93	0.02	0.38	<2	<5	<1	<5	1.71	<5	25-Jul-12
CA1202	Drill Core	86.0	88.0	Acme	SMI12000069	1935621	Rock	3.83	0.089	<2	0.5	225	15	4	28	2	12	1660	3.80	27	2	59	0.9	<3	4	19	4.94	0.15	7	<1	0.38	44	<0.001	<20	1.08	0.01	0.35	<2	<5	<1	<5	2.72	<5	25-Jul-12
CA1202	Drill Core	88.0	90.0	Acme	SMI12000069	1935622	Rock	2.93	0.053	<2	<0.3	546	37	4	24	3	13	1295	3.17	6	<2	62	0.7	<3	<3	18	4.17	0.15	8	1	0.36	33	<0.001	<20	1.05	0.01	0.34	<2	<5	<1	<5	1.93	<5	25-Jul-12
CA1202	Drill Core	90.0	92.0	Acme	SMI12000069	1935623	Rock	3.00	0.075	<2	<0.3	397	11	6	30	3	10	1689	4.09	12	<2	55	0.9	4	<3	22	4.26	0.15	6	2	0.45	82	<0.001	<20	1.24	0.01	0.34	<2	<5	<1	<5	2.54	<5	25-Jul-12
CA1202	Drill Core	92.0	94.0	Acme	SMI12000069	1935624	Rock	3.63	0.129	<2	1.5	237	10	10	25	2	9	1417	3.82	16	<2	49	0.7	<3	5	23	3.39	0.15	5	1	0.48	46	<0.001	<20	1.18	0.01	0.37	<2	<5	2	<5	2.37	<5	25-Jul-12
CA1202	Blank			Acme	SMI12000069	1935625	Rock	0.71	<0.005	<2	<0.3	<1	<1	<3	<1	<1	<1	23	0.07	<2	<2	3928	<0.5	<3	<3	<1	34.39	0.00	<1	<1	1.96	9	0.002	<20	0.13	0.01	<0.01	<2	<5	2	<5	0.07	<5	25-Jul-12
CA1202	Drill Core	94.0	96.0	Acme	SMI12000069	1935626	Rock	4.14	0.133	<2	0.7	113	18	9	42	2	10	1763	5.34	24	2	55	1.3	<3	4	20	4.27	0.13	5	1	0.52	47	<0.001	<20	1.18	0.01	0.32	<2	<5	<1	<5	4.51	<5	25-Jul-12
CA1202	Drill Core	96.0	98.0	Acme	SMI12000069	1935627	Rock	2.69	0.198	<2	1.9	220	7	<3	41	3	12	1270	4.62	14	<2	39	0.9	<3	<3	21	3.54	0.15	5	2	0.5	41	<0.001	<20	1.16	0.01	0.36	<2	<5	1	<5	3.86	<5	25-Jul-12
CA1202	Drill Core	98.0	100.0	Acme	SMI12000069	1935628	Rock	2.43	0.059	<2	0.4	222	18	<3	106	2	18	1187	4.91	<2	2	27	0.9	<3	<3	54	2.31	0.16	4	3	1.36	260	0.001	<20	2.26	0.03	0.26	<2	<5	1	<5	0.95	<5	25-Jul-12
CA1202	Drill Core	100.0	102.0	Acme	SMI12000069	1935629	Rock	3.67	0.025	<2	<0.3	217	16	<3	81	21	15	1546	4.18	<2	<2	56	1.2	<3	<3	54	3.92	0.12	4	21	1.78	413	0.001	<20	1.7	0.04	0.27	<2	<5	<1	<5	0.60	10	25-Jul-12
CA1202	Drill Core	102.0	104.0	Acme	SMI12000069	1935630	Rock	3.14	0.038	<2	<0.3	247	29	<3	110	4	13	1563	4.32	7	3	42	1	<3	<3	56	3.22	0.15	6	4	1.43	170	0.001	<20	1.8	0.04	0.29	<2	<5	2	<5	1.05	6	25-Jul-12
CA1202	Drill Core	104.0	106.0	Acme	SMI12000069	1935631	Rock	3.91	0.301	<2	2.4	104	18	3	165	5	11	1528	6.04	25	<2	52	1.1	3	5	45	3.24	0.15	5	3	1.4	28	<0.001	<20	2.58	0.01	0.30	<2	<5	2	<5	2.08	<5	25-Jul-12
CA1202	Drill Core	106.0	108.0	Acme	SMI12000069	1935632	Rock	2.39	0.238	<2	1.6	530	10	<3	8	3	25	724	4.92	42	<2	64	0.7	<3	7	11	2.54	0.14	3	2	0.09	8	<0.001	<20	0.58	0.01	0.38	<2	<5	3	<5	5.35	<5	25-Jul-12
CA1202	Drill Core	108.0	110.0	Acme	SMI12000069	1935633	Rock	4.54	0.198	<2	0.7	471	10	<3	36	3	18	1501	3.83	18	<2	95	0.7	<3	<3	27	4.31	0.14	5	1	0.61	22	<0.001	<20	1.27	0.02	0.38	<2	<5	<1	<5	2.70	<5	25-Jul-12
CA1202	Drill Core	110.0	112.0	Acme	SMI12000069	1935634	Rock	3.45	0.110	<2	<0.3	161	17	<3	43	2	20	1181	4.97	6	<2	50	0.7	<3	11	37	3.43	0.14	4	2	0.82	23	<0.001	<20	1.5	0.02	0.35	<2	<5	<1	<5	3.42	<5	25-Jul-12
CA1202	Drill Core	112.0	114.0	Acme	SMI12000069	1935635	Rock	3.86	0.049	<2	<0.3	172	4	<3	44	3	12	1084	3.50	5	2	56	<0.5	<3	<3	40	2.76	0.16	6	2	0.84	110	<0.001	<20	1.53	0.02	0.36	<2	<5	<1	<5	0.99	6	25-Jul-12
CA1202	Drill Core	114.0	116.0	Acme	SMI12000069	1935636	Rock	4.72	0.127	<2	0.4	278	11	4	39	3	10	1213	3.91	11	<2	58	0.6	<3	6	39	3.29	0.15	5	2	0.83	31	<0.001	<20	1.43	0.02	0.36	<2	<5	<1	<5	2.24	5	25-Jul-12
CA1202	Drill Core	116.0	118.0	Acme	SMI12000069	1935637	Rock	4.12	0.114	<2	0.3	309	9	4	19	2	9	968	3.98	13	<2	43	0.5	<3	<3	25	2.88	0.16	5	2	0.41	92	<0.001	<20	1.21	0.02	0.38	<2	<5	<1	<5	2.48	<5	25-Jul-12
CA1202	Drill Core	118.0	120.0	Acme	SMI12000069	1935638	Rock	4.69	0.099	<2	<0.3	137	5	<3	18	2	13	899	2.83	13	<2	50	<0.5	<3	<3	19	3.43	0.16	6	1	0.29	115	<0.001	<20	0.95	0.01	0.37	2	<5	<1	<5	2.00	5	25-Jul-12
CA1202	Drill Core	120.0	122.0	Acme	SMI12000069	1935639	Rock	4.19	0.113	<2	0.4	182	1	<3	26	4	11	1121	3.72	15	<2	51	0.6	<3	<3	25	3.67	0.16	6	1	0.47	71	<0.001	<20	1.15	0.02	0.39	<2	<5	<1	<5	2.73	5	25-Jul-12
CA1202	Drill Core	122.0	124.0	Acme	SMI12000069	1935640	Rock	4.03	0.076	<2	<0.3	377	3	6	43	2	11	1100	3.49	9	<2	63	<0.5	<3	<3	39	3.43	0.15	4	2	0.81	49	<0.001	<20	1.49	0.02	0.35	<2	<5	<1	<5	1.86	6	25-Jul-12
CA1202	Drill Core	124.0	126.0	Acme	SMI12000069	1935641	Rock	4.52	0.108	<2	<0.3	207	37	5	13	2	11	840	3.31	18	<2	50	<0.5	<3	<3	19	3.37	0.15	5	<1	0.31	60	<0.001	<20	1.01	0.01	0.39	<2	<5	<1	<5	2.32	<5	25-Jul-12
CA1202	Drill Core	126.0	128.0	Acme	SMI12000069	1935642	Rock	4.19	0.042	<2	<0.3	145	4	<3	35	2	15	1380	3.37	10	<2	76	<0.5	<3	<3	35	4.77	0.15	6	<1	0.81	125	<0.001	<20	1.55	0.02	0.33	<2	<5	<1	<5	1.12	6	25-Jul-12
CA1202	Drill Core	128.0	130.0	Acme	SMI12000069	1935643	Rock	4.15	0.135	<2	1	193	3	8	15	2	12	978	4.05	38	<2	55	<0.5	<3	3	20	3.87	0.16	6	2	0.31	50	<0.001	<20	1.01	0.02	0.37	<2	<5	1	5	3.10	6	25-Jul-12
CA1202	Drill Core	130.0	132.0	Acme	SMI12000069	1935644	Rock	4.46	0.088	<2	<0.3	139	63	7	10	2	12	912	3.62	75	<2	53	<0.5	<3	<3	18	3.61	0.16	6	<1	0.28	55	<0.001	<20	0.88	0.02	0.36	<2	<5	3	<5	2.91	6	25-Jul-12
CA1202	Drill Core	132.0	134.0	Acme	SMI12000069	1935645	Rock	4.55	0.069	<2	<0.3	696	4	9	49	9	17	2621	5.41	39	<2	78	0.7	<3	<3	70	6.75	0.14	10	10	1.98	104	0.001	<20	1.97	0.02	0.26	<2	<5	<1	8	1.62	11	25-Jul-12
CA1202	Drill Core	134.0	136.0	Acme	SMI12000069	1935646	Rock	4.46	0.005	<2	<0.3	119	2	<3	45	14	9	1048	3.72	4	<2	60	<0.5	<3	<3	48	3.55	0.16	25	23	1.36	70	0.002	<20	1.95	0.03	0.28	<2	<5	<1	8	<0.05	6	25-Jul-12
CA1202	Drill Core	136.0	138.0	Acme	SMI12000069	1935647	Rock	4.03	<0.005	<2	<0.3	<1	3	<3	15	<1	2	974	2.67	<2	<2	72	<0.5	<3	<3	6	3.73	0.13	30	<1	0.51	159	0.001	<20	1.19	0.03	0.29	<2	<5	<1	6	<0.05	<5	25-Jul-12
CA1202	Drill Core	138.0	140.0	Acme	SMI12000069	1935648	Rock	4.64	<0.005	<2	<0.3	<1	2	<3	14	<1	2	971	2.61	<2	<2	58	<0.5	<3	<3	6	3.41	0.12	30	<1	0.54	108	0.001	<20	1.26	0.03	0.29	<2	<5	<1	7	<0.05	<5	25-Jul-12
CA1202	Drill Core	140.0	142.0	Acme	SMI12000069	1935649	Rock	4.33	0.007	<2	<0.3	158	1	4	30	5	11	1582	4.66	7	<2	67	0.6	<3	<3	60	4.27	0.13	13	4	1.3	55	0.001	<20	2.1	0.03	0.32	<2	<5	<1	9	0.07	7	25-Jul-12
CA1202	Std CDN-CM-21			Acme	SMI12000069	1935650	Rock Pulp	0.08	0.471	<2	1.2	5530	348	3	47	27	12	436	3.26	4	<2	39	0.6	<3	<3	59	0.83	0.06	5	30	0.75	125	0.120	<20	1.5	0.11	0.15	14	<5	<1	<5	0.71	<5	25-Jul-12

All assays ppm except Ca, Fe, K, Na, Mg, P, S, Ti in %

hole_id	Material	FROM	TO	Lab	Job	Sample	Type	Wgt	Au-fa	Au	Ag	Cu	Mo	Pb	Zn	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc	Date
CA1202	Drill Core	142.0	144.0	Acme	SMI12000069	1935651	Rock	4.82	<0.005	<2	<0.3	102	1	4	43	12	16	1686	5.57	6	<2	80	0.6	<3	<3	89	4.71	0.18	16	18	1.52	297	0.002	<20	2.46	0.03	0.33	<2	<5	<1	10	<0.05	7	25-Jul-12
CA1202	Drill Core	144.0	146.0	Acme	SMI12000069	1935652	Rock	3.96	0.008	<2	<0.3	206	<1	7	45	6	12	1625	5.61	8	<2	77	0.8	<3	<3	78	4.88	0.13	11	5	1.31	173	0.001	<20	2.45	0.02	0.32	<2	<5	<1	10	0.11	6	25-Jul-12
CA1202	Drill Core	146.0	148.0	Acme	SMI12000069	1935653	Rock	4.31	<0.005	<2	<0.3	3	2	<3	67	<1	13	1346	5.35	<2	<2	89	<0.5	<3	<3	79	4.33	0.18	14	<1	1.51	539	0.003	<20	2.51	0.04	0.30	<2	<5	<1	9	<0.05	7	25-Jul-12
CA1202	Drill Core	148.0	150.0	Acme	SMI12000069	1935654	Rock	4.59	0.191	<2	<0.3	481	26	5	20	2	13	868	4.56	15	<2	48	<0.5	<3	<3	24	3.4	0.15	8	1	0.43	87	<0.001	<20	1.21	0.02	0.37	<2	<5	<1	<5	2.92	<5	25-Jul-12
CA1202	Drill Core	150.0	152.0	Acme	SMI12000069	1935655	Rock	4.57	0.179	<2	<0.3	826	26	3	8	2	13	658	2.69	11	<2	35	<0.5	<3	<3	12	2.3	0.15	7	<1	0.32	79	<0.001	<20	0.77	0.02	0.38	<2	<5	<1	<5	2.07	<5	25-Jul-12
CA1202	Drill Core	152.0	154.0	Acme	SMI12000069	1935656	Rock	4.17	0.168	<2	<0.3	401	12	4	12	2	15	676	3.74	16	<2	57	<0.5	<3	<3	19	3.69	0.16	6	<1	0.22	66	<0.001	<20	0.92	0.02	0.35	<2	<5	<1	<5	2.74	5	25-Jul-12
CA1202	Drill Core	154.0	156.0	Acme	SMI12000069	1935657	Rock	3.95	0.143	<2	<0.3	706	40	4	18	2	11	576	2.78	14	<2	79	<0.5	<3	<3	23	3.37	0.16	7	<1	0.3	51	0.001	<20	0.95	0.02	0.37	<2	<5	<1	<5	1.55	<5	25-Jul-12
CA1202	Drill Core	156.0	158.0	Acme	SMI12000069	1935658	Rock	4.87	0.168	<2	<0.3	470	33	3	8	2	11	495	2.14	31	<2	46	<0.5	<3	<3	16	2.84	0.17	7	<1	0.14	169	<0.001	<20	0.73	0.02	0.37	<2	<5	<1	<5	1.42	<5	25-Jul-12
CA1202	Drill Core	158.0	160.0	Acme	SMI12000069	1935659	Rock	2.19	0.060	<2	<0.3	183	4	5	52	2	9	539	5.92	9	<2	54	<0.5	<3	3	75	1.98	0.15	9	2	1.13	49	0.008	<20	1.76	0.04	0.39	<2	<5	<1	7	1.59	6	25-Jul-12
CA1202	Drill Core	160.0	162.0	Acme	SMI12000069	1935660	Rock	4.13	0.053	<2	<0.3	307	4	5	40	1	8	1088	4.92	9	<2	76	<0.5	<3	<3	39	3.7	0.19	11	1	0.82	113	0.002	<20	1.9	0.03	0.33	<2	<5	<1	8	1.08	6	25-Jul-12
CA1202	Drill Core	162.0	164.0	Acme	SMI12000069	1935661	Rock	4.23	0.124	<2	<0.3	506	10	4	40	3	8	969	4.87	7	<2	56	0.5	<3	<3	41	3.54	0.17	8	2	0.73	121	0.002	<20	1.7	0.03	0.36	<2	<5	<1	7	1.61	6	25-Jul-12
CA1202	Drill Core	164.0	166.0	Acme	SMI12000069	1935662	Rock	2.47	0.196	<2	<0.3	620	36	3	41	2	10	610	5.66	7	<2	49	<0.5	<3	<3	75	2.01	0.15	7	1	1.03	81	0.005	<20	1.67	0.04	0.34	<2	<5	<1	8	1.45	6	25-Jul-12
CA1202	Drill Core	166.0	168.0	Acme	SMI12000069	1935663	Rock	3.97	0.089	<2	<0.3	139	8	<3	30	1	7	705	4.14	16	<2	61	<0.5	<3	<3	26	2.38	0.12	10	<1	0.56	128	0.002	<20	1.42	0.04	0.32	<2	<5	<1	7	1.01	<5	25-Jul-12
CA1202	Drill Core	168.0	170.0	Acme	SMI12000069	1935664	Rock	3.84	0.082	<2	<0.3	393	11	4	25	<1	5	695	2.45	8	<2	43	<0.5	<3	<3	7	2.39	0.10	12	<1	0.39	386	<0.001	<20	1.05	0.03	0.31	<2	<5	<1	<5	0.69	<5	25-Jul-12
CA1202	Drill Core	170.0	172.0	Acme	SMI12000069	1935665	Rock	3.24	0.305	<2	0.3	743	67	10	51	8	15	683	4.83	14	<2	55	<0.5	<3	4	52	2.68	0.17	8	7	0.85	80	0.002	<20	1.73	0.03	0.38	<2	<5	<1	8	1.80	5	25-Jul-12
CA1202	Drill Core	172.0	174.0	Acme	SMI12000069	1935666	Rock	4.18	<0.005	<2	<0.3	24	<1	<3	61	41	23	900	5.23	<2	<2	66	0.7	<3	<3	92	3.78	0.22	19	60	2.71	244	0.003	<20	2.81	0.04	0.21	<2	<5	<1	14	<0.05	7	25-Jul-12
CA1202	Drill Core	174.0	176.0	Acme	SMI12000069	1935667	Rock	4.07	<0.005	<2	<0.3	206	1	<3	54	40	14	1123	7.28	<2	<2	55	0.8	<3	<3	92	3.63	0.23	18	57	2.61	108	0.003	<20	3.73	0.02	0.30	<2	<5	<1	13	<0.05	8	25-Jul-12
CA1202	Drill Core	176.0	178.0	Acme	SMI12000069	1935668	Rock	3.23	0.129	<2	<0.3	602	22	3	35	8	12	930	3.75	12	<2	67	<0.5	<3	<3	43	3.74	0.17	8	7	0.72	46	0.001	<20	1.33	0.03	0.35	<2	<5	<1	5	1.64	<5	25-Jul-12
CA1202	Drill Core	178.0	180.0	Acme	SMI12000069	1935669	Rock	3.36	0.194	<2	<0.3	384	18	6	27	2	11	608	4.30	10	<2	46	<0.5	<3	<3	39	2.99	0.16	6	1	0.56	28	0.001	<20	1.16	0.03	0.37	<2	<5	<1	<5	3.11	<5	25-Jul-12
CA1202	Drill Core	180.0	182.0	Acme	SMI12000069	1935670	Rock	3.30	0.316	<2	0.7	443	23	10	5	2	10	384	5.23	33	<2	38	<0.5	<3	<3	13	2.55	0.15	4	<1	0.09	38	<0.001	<20	0.6	0.02	0.36	<2	<5	<1	<5	5.63	<5	25-Jul-12
CA1202	Drill Core	182.0	184.0	Acme	SMI12000069	1935671	Rock	3.56	0.295	<2	<0.3	606	60	3	3	2	15	371	2.78	16	<2	42	<0.5	<3	<3	12	2.3	0.18	5	<1	0.08	74	<0.001	<20	0.69	0.02	0.43	<2	<5	<1	<5	2.66	<5	25-Jul-12
CA1202	Drill Core	184.0	186.0	Acme	SMI12000069	1935672	Rock	3.92	0.087	<2	0.3	541	17	9	25	38	21	1136	4.38	55	<2	57	<0.5	<3	<3	59	4.31	0.13	8	58	1.4	65	0.001	<20	2.21	0.02	0.31	<2	<5	<1	7	1.32	7	25-Jul-12
CA1202	Drill Core	186.0	188.0	Acme	SMI12000069	1935673	Rock	4.26	0.223	<2	<0.3	483	40	5	3	2	14	647	3.83	14	<2	47	<0.5	<3	4	14	3.26	0.16	7	<1	0.13	68	<0.001	<20	0.71	0.02	0.42	<2	<5	<1	<5	3.96	<5	25-Jul-12
CA1202	Drill Core	188.0	190.0	Acme	SMI12000069	1935674	Rock	1.71	0.072	<2	<0.3	217	4	<3	35	18	18	941	4.71	9	<2	51	<0.5	<3	<3	60	3.65	0.18	11	26	1.46	65	0.002	<20	2.15	0.02	0.30	<2	<5	<1	7	0.89	6	25-Jul-12
CA1202	Duplicate			Acme	SMI12000069	1935675	Rock	1.98	0.098	<2	<0.3	259	3	3	34	18	18	969	4.93	8	<2	54	<0.5	<3	<3	59	3.86	0.18	11	25	1.47	70	0.002	<20	2.21	0.03	0.32	<2	<5	<1	7	1.13	6	25-Jul-12
CA1202	Drill Core	190.0	192.0	Acme	SMI12000069	1935676	Rock	3.55	0.005	<2	<0.3	79	1	3	67	15	19	1156	6.14	3	<2	68	0.6	<3	<3	136	4.01	0.14	12	30	2.35	212	0.076	<20	2.99	0.05	0.25	<2	<5	<1	11	<0.05	11	25-Jul-12
CA1202	Drill Core	192.0	194.0	Acme	SMI12000069	1935677	Rock	3.49	0.015	<2	<0.3	39	<1	13	61	9	18	1527	4.86	3	<2	92	1.1	<3	3	118	5.09	0.10	11	23	2.24	257	0.026	<20	2.95	0.04	0.34	<2	<5	<1	11	<0.05	10	25-Jul-12
CA1202	Drill Core	194.0	196.0	Acme	SMI12000069	1935678	Rock	3.69	0.018	<2	<0.3	55	7	34	50	9	18	1454	5.12	13	<2	88	1	<3	<3	113	4.67	0.12	10	22	1.99	308	0.002	<20	2.65	0.03	0.25	<2	<5	<1	12	0.62	9	25-Jul-12
CA1202	Drill Core	196.0	198.0	Acme	SMI12000069	1935679	Rock	3.39	0.073	<2	<0.3	384	11	30	47	15	18	1472	5.95	13	<2	84	1.1	<3	6	92	4.44	0.16	11	15	1.57	154	0.003	<20	2.82	0.03	0.43	<2	<5	<1	12	1.18	8	25-Jul-12
CA1202	Drill Core	198.0	200.0	Acme	SMI12000069	1935680	Rock	3.40	0.181	<2	0.3	566	9	15	39	8	14	1063	4.56	10	<2	65	0.7	<3	6	52	3.7	0.15	9	7	0.99	45	0.002	<20	1.77	0.03	0.37	<2	<5	<1	7	2.13	6	25-Jul-12
CA1202	Drill Core	200.0	202.0	Acme	SMI12000069	1935681	Rock	2.69	0.212	<2	<0.3	506	9	18	34	2	8	1073	4.36	7	<2	116	0.5	<3	<3	28	3.38	0.12	6	3	0.71	15	0.001	<20	1.26	0.03	0.36	<2	<5	<1	6	2.97	<5	25-Jul-12
CA1202	Drill Core	202.0	204.0	Acme	SMI12000069	1935682	Rock	2.69	0.197	<2	0.7	481	25	26	21	2	4	693	3.09	9	2	42	0.5	<3	5	19	2.81	0.13	6	2	0.39	85	0.001	<20	1.02	0.02	0.41	<2	<5	<1	<5	2.10	<5	25-Jul-12
CA1202	Drill Core	204.0	206.0	Acme	SMI12000069	1935683	Rock	2.21	0.400	<2	2.6	173	23	25	19	3	7	814	4.26	34	<2	45	0.7	<3	3	17	2.86	0.12	6	2	0.35	37	<0.001	<20	0.87	0.02	0.37	<2	<5	<1	<5	3.43	<5	25-Jul-12
CA1202	Drill Core	206.0	208.0	Acme	SMI12000069	1935684	Rock	4.20	0.365	<2	0.5	472	184	21	9	2	5	639	4.04	10	<2	45	<0.5	<3	4	9	2.95	0.12	6	2	0.15	18	<0.001	<20	0.68	0.02	0.38	<2	<5	<1	<5	3.92	<5	25-Jul-12
CA1202	Drill Core	208.0	210.0	Acme	SMI12000069	1935685	Rock	3.63	0.474	<2	1.4	646	126	12	13	2	3	424	6.10	26	<2	24	0.6	<3	5	9	1.58	0.11	4	2	0.22	24	<0.001	<20	0.65	0.02	0.34	<2	<5	<1	<5	6.03	<5	25-Jul-12
CA1202	Drill Core	210.0	212.0	Acme	SMI12000069	1935686	Rock	3.39	0.232	<2	0.8	272	34	16	10	3	9	587	4.22	6	<2	35	0.6	<3	<3	14	2.2	0.14	5	3	0.23	52	0.001	<20	0.86	0.01	0.43	<2	<5	<1	<5	3.76	<5	25-Jul-12
CA1202	Drill Core	212.0	214.0	Acme	SMI12000069	1935687	Rock	2.39	0.186	<2	<0.3	326	44	35	24	2	8	727	4.46	4	<2	39	0.5	<3	<3	39	2.87	0.16	6	2	0.66	71	0.002	<20	1.4	0.02	0.42	<2	<5	<1	5	2.75	<5	25-Jul-12
CA1202	Drill Core	214.0	216.0	Acme	SMI12000069	1935688	Rock	3.02	0.235	<2	<0.3	640	72	14	35	3	9	665	4.68	5	<2	40	0.6	<3	<3	47	2.4	0.17	5	3	0.78	22	0.002	<20	1.46	0.03	0.40	<2	<5	<1	5	2.81	<5	25-Jul-12
CA1202	Drill Core	216.0	218.0	Acme	SMI12000069	1935689	Rock	2.73	0.236	<2	<0.3	544	37	28	34	3	8	585	5.56	7	<2	38	0.5	<3	9	40	2.03	0.17	5	2	0.72	12	0.002	<20	1.37	0.03	0.40	<2	<5	<1	<5	3.96	<5	25-Jul-12
CA1202	Drill Core	218.0	220.0	Acme	SMI12000069	1935690	Rock	2.20	0.214	<2	<0.3	550	34	13	61	2	5	593	6.11	5	<2	44	0.8	<3	<3	89	1.62	0.16	5	3	1.26	30	0.004	<20	1.84	0.04	0.34	<2	<5	<1	7	1.83	6	25-Jul-12
CA1202	Drill Core	220.0	222.0	Acme	SMI12000069	1935691	Rock	2.54	0.869	<2	3.4	783	34	14	52	3	8	557	8.30	14	<2	26	0.6	<3	18	57	0.9	0.15	4	1	0.96	6	0.002	<20	1.47	0.03	0.37	<2	<5	3	<5	6.44	<5	25-Jul-12
CA1202	Drill Core	222.0	224.0	Acme	SMI12000069	1935692	Rock	2.69	0.772	<2	3.5	435	15	16	8	2	6	48	8.95	19	<2	37	<0.5	<3	16	10	0.25	0.12	2	<1	0.11	5	<0.001	<20	0.47	0.02	0.31	<2	<5	3	<5	9.01	<5	25-Jul-12
CA1202	Drill Core	224.0	226.0	Acme	SMI12000069	1935693	Rock	4.12	1.278	<2	3.6	3366	16	31	16	2	4	286	11.55	16	<2	24	0.8	<3	19	21	1.08	0.15	3	<1	0.27	3	0.002	<20	0.77	0.02	0.37	<2	<5	<1	<5	>10.00	<5	25-Jul-12
CA1202	Drill Core	226.0	228.0	Acme	SMI12000069	1935694	Rock	2.62	<0.005	<2	0.3	358	37	22	55	2	9	499	5.03	8	<2	42	0.6	<3	4	63	1.52	0.17	5	3	1.11	14	0.004	<20	1.52	0.03	0.33	<2	<5	<1	7	3.13	<5	25-Jul-12
CA1202	Drill Core	228.0	230.0	Acme	SMI12000069	1935695	Rock	2.80	0.166	<2	<0.3	394	56	24	61	3	12	421	6.02	5	<2	32	0.6	<3	<3	79	1.11	0.17	5	4	1.2	11	0.011	<20	1.58	0.04	0.36	<2	<5	<1	6	3.81	6	25-Jul-12
CA1202	Drill Core	230.0	232.0	Acme	SMI12000069	1935696	Rock	3.43	0.137	<2	<0.3	294	52	22	51	3	6	536	5.51	3	<2	44	0.6	<3	<3	62	1.52	0.17	5	3	1.03	21	0.003	<20	1.56	0.03	0.35	<2	<5	<1	7	2.63	<5	25-Jul-12
CA1202	Drill Core	232.0	236.0	Acme	SMI12000069	1935697	Rock	2.39	0.337	<2	1.2	769	31	26	30	3	8	512	7.00	10	<2	34	<0.5	<3	<3	28	1.85	0.16	4	2	0.65	7	0.002	<20	1.2	0.02	0.40	<2	<5	<1	<5	6.34	<5	25-Jul-12
CA1202	Drill Core	236.0	238.0	Acme	SMI12000069	1935698	Rock	2.59	0.371	<2	0.5	328	15	13	49	2	8	591	5.54	7	<2	27	0.7	<3	5	37	1.45	0.16	5	3	0.93	13	0.002	<20	1.56	0.02	0.39	<2	<5	<1	<5	3.75	<5	25-Jul-12
CA1202	Drill Core	238.0	240.0	Acme	SMI12000069	1935699	Rock	3.15	0.824	<2	2.4	251	37	19	39	3	8	382	7.31	16	<2	22	<0.5	<3	3	32	0.99	0.17	4	1	0.7	8	0.002	<20	1.28	0.02	0.41	<2	<5	3	<5	6.03	<5	25-Jul-12
CA1202	Std CDN-CM-22			Acme	SMI12000069	1935700	Rock Pulp	0.08	0.861	2	1.4	>10000	201	20	47	27	12	573	4.06	3	<2	79	0.6	<3	<3	57	1.11	0.07	9	33	0.77	121	0.104	<20	1.54	0.12	0.22	6	<5	<1	<5	1.32	6	25-Jul-12
CA1202	Drill Core	240.0	242.0	Acme	SMI12000069	1935701	Rock	5.92	0.324	<2	<0.3	367	13	8	56	2	8	668	4.28	4	<2	32	0.5	<3	3	56	1.61	0.17	6	3	1.07	61	0.002	<20	1.77	0.02	0.39	<2	<5	<1	6	1.64	<5	25-Jul-12
CA1202	Drill Core	242.0	246.0	Acme	SMI12000069	1935702	Rock	3.70	0.400	<2	0.5	340	10	37	62	16	21	916	7.87	13	<2	32	0.8	<3	5	51	2.57	0.13	5	28	1.29	25	0.008	<20	2.17	0.01	0.34	<2	<5	<1	6	5.17	<5	25-Jul-12
CA1202	Drill Core	246.0	248.0	Acme	SMI12000069	1935703	Rock	3.69	<0.005	<2	<0.3	19	<1	9	72	47	25	1261	4.78	<2	<2	98	0.8	<3	<3	121	4.77	0.08	5	110	2.92	76	0.155	<20	3.49	0.11	0.25	<2	<5	<1	7	0.10	11	25-Jul-12
CA1202	Drill Core	248.0	250.0	Acme	SMI12000069	1935704	Rock	4.01	0.311	<2	1.9	120	14	28	25	10	14	475	14.97	52	<2	32	<0.5	<3	5	27	2.19	0.12	4	12	0.6	7	0.002	<20	1.06	0.02	0.26	<2	<5	<1	<5	>10.00	<5	25-Jul-12
CA1202	Drill Core	250.0	252.0	Acme	SMI12000069	1935705	Rock	2.88	0.307	<2	0.4	531	21	23	29	2	5	428	3.69	3	<2	22	<0.5	<3	<3	25	1.26	0.17	8	2	0.6	98	0.003	<20	1.35	0.01	0.42	<2	<5	<1	<5	2.24	<5	25-Jul-12
CA1202	Drill Core	252.0	254.0	Acme	SMI12000069	1935706	Rock	3.26	0.456	<2	1.5	746	21	<3	31	2	14	522	6.22	13	<2	27	<0.5	<3	4	24	1.87	0.16	5	2	0.66	17	0.003	<20	1.43	0.02	0.45	<2	<5	<1	5	5.14	<5	25-Jul-12
CA1202	Drill Core	254.0	256.0	Acme	SMI12000069	1935707	Rock	3.59	0.221	<2	1.4	474	14	21	30	4	15	515	5.95	14	<2	45	<0.5	<3	3	36	2.34	0.16	7	5	0.79	14	0.002	<20	1.41	0.02	0.34	<2	<5	<1	7	4.67	<5	25-Jul-12

All assays ppm except Ca, Fe, K, Na, Mg, P, S, Ti in %

hole_id	Material	FROM	TO	Lab	Job	Sample	Type	Wgt	Au-fa	Au	Ag	Cu	Mo	Pb	Zn	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc	Date
CA1202	Drill Core	256.0	258.0	Acme	SMI12000069	1935708	Rock	3.62	0.280	<2	2.1	820	15	39	28	3	8	335	5.66	9	<2	99	<0.5	<3	4	22	1.45	0.15	4	2	0.56	8	0.001	<20	1.09	0.02	0.40	<2	<5	<1	<5	5.36	<5	25-Jul-12
CA1202	Drill Core	258.0	260.0	Acme	SMI12000069	1935709	Rock	4.34	0.339	<2	0.7	294	24	35	16	2	10	151	6.22	12	<2	313	<0.5	<3	5	12	3.53	0.12	3	2	0.3	7	0.001	<20	0.62	0.01	0.27	<2	<5	<1	<5	8.67	<5	25-Jul-12
CA1202	Drill Core	260.0	262.0	Acme	SMI12000069	1935710	Rock	4.25	0.264	<2	0.4	444	34	18	45	2	15	335	5.16	12	<2	210	<0.5	<3	<3	41	2.83	0.15	4	4	0.83	9	0.003	<20	1.34	0.02	0.31	<2	<5	<1	6	5.32	<5	25-Jul-12
CA1202	Drill Core	262.0	264.0	Acme	SMI12000069	1935711	Rock	3.43	0.144	<2	<0.3	101	3	9	70	34	24	1101	5.97	6	<2	116	0.5	<3	<3	84	3.66	0.16	10	38	2.12	46	0.005	<20	2.34	0.05	0.26	<2	<5	<1	11	2.39	7	25-Jul-12
CA1202	Drill Core	264.0	266.0	Acme	SMI12000069	1935712	Rock	3.86	0.006	<2	<0.3	21	<1	7	85	47	24	1211	5.02	2	<2	104	0.7	<3	<3	118	3.95	0.14	12	58	2.68	301	0.017	<20	2.97	0.09	0.18	<2	<5	<1	11	0.13	9	25-Jul-12
CA1202	Drill Core	266.0	268.0	Acme	SMI12000069	1935713	Rock	4.22	0.218	<2	0.3	500	7	3	60	16	13	689	5.09	9	<2	211	0.6	<3	<3	83	3.03	0.14	7	21	1.61	55	0.005	<20	1.99	0.04	0.26	<2	<5	<1	8	2.49	6	25-Jul-12
CA1202	Drill Core	268.0	270.0	Acme	SMI12000069	1935714	Rock	4.12	0.183	<2	0.4	379	17	5	39	4	17	593	4.22	18	2	224	<0.5	<3	<3	21	3.7	0.10	4	5	0.66	23	<0.001	<20	1.04	0.03	0.29	<2	<5	<1	<5	4.60	<5	25-Jul-12
CA1202	Drill Core	270.0	272.0	Acme	SMI12000069	1935715	Rock	3.90	0.269	<2	0.7	627	24	5	32	3	18	406	5.26	18	2	250	<0.5	<3	<3	19	2.81	0.10	4	4	0.52	20	<0.001	<20	0.9	0.02	0.29	<2	<5	<1	<5	5.84	<5	25-Jul-12
CA1202	Drill Core	272.0	274.0	Acme	SMI12000069	1935716	Rock	4.26	0.457	<2	1.2	550	21	<3	25	2	12	393	5.81	14	2	252	<0.5	<3	4	20	2.93	0.10	4	2	0.4	19	0.001	<20	0.76	0.02	0.29	<2	<5	<1	<5	6.70	<5	25-Jul-12
CA1202	Drill Core	274.0	276.0	Acme	SMI12000069	1935717	Rock	4.22	0.265	<2	0.6	606	21	<3	38	2	12	595	5.29	12	2	254	<0.5	<3	<3	24	3.16	0.11	5	3	0.72	18	<0.001	<20	1.05	0.02	0.29	<2	<5	<1	<5	5.53	<5	25-Jul-12
CA1202	Drill Core	276.0	278.0	Acme	SMI12000069	1935718	Rock	4.44	0.383	<2	1.5	305	10	6	15	2	14	336	7.32	30	3	228	<0.5	<3	<3	11	2.58	0.11	3	2	0.3	12	<0.001	<20	0.65	0.02	0.29	<2	<5	1	<5	8.28	<5	25-Jul-12
CA1202	Drill Core	278.0	280.0	Acme	SMI12000069	1935719	Rock	4.44	0.196	<2	0.3	374	15	8	25	4	14	342	5.78	13	2	215	<0.5	<3	<3	15	2.82	0.11	4	4	0.54	20	<0.001	<20	0.88	0.02	0.30	<2	<5	<1	<5	6.80	<5	25-Jul-12
CA1202	Drill Core	280.0	282.0	Acme	SMI12000069	1935720	Rock	4.07	0.054	<2	0.5	73	2	6	108	5	21	2197	5.34	32	<2	114	0.6	<3	5	66	3.19	0.12	4	3	1.48	86	0.001	<20	1.94	0.02	0.28	<2	<5	<1	6	4.08	9	25-Jul-12
CA1202	Drill Core	282.0	284.0	Acme	SMI12000069	1935721	Rock	4.21	0.022	<2	0.4	45	<1	6	95	4	20	1790	5.00	29	<2	94	0.5	<3	<3	61	2.95	0.12	4	3	1.76	73	<0.001	<20	2.23	0.02	0.26	<2	<5	<1	7	2.95	7	25-Jul-12
CA1202	Drill Core	284.0	286.0	Acme	SMI12000069	1935722	Rock	4.65	0.023	<2	0.9	52	<1	<3	49	4	16	1263	4.36	22	<2	171	<0.5	<3	<3	25	3.07	0.11	4	3	0.79	21	<0.001	<20	1.16	0.02	0.30	<2	<5	<1	<5	4.26	<5	25-Jul-12
CA1202	Drill Core	286.0	286.8	Acme	SMI12000069	1935723	Rock	1.69	0.016	<2	<0.3	56	<1	5	49	5	19	1300	5.10	28	<2	201	<0.5	<3	<3	31	3.76	0.12	5	2	0.96	20	<0.001	<20	1.4	0.02	0.27	<2	<5	<1	<5	4.58	<5	25-Jul-12
CA1203	Drill Core	6.2	8.0	Acme	SMI12000069	1935724	Rock	2.52	0.058	<2	<0.3	79	18	6	23	2	14	1337	4.31	25	<2	46	<0.5	<3	<3	16	3.86	0.14	7	2	0.25	47	<0.001	<20	0.8	0.01	0.38	<2	<5	<1	<5	3.99	<5	25-Jul-12
CA1203	Blank			Acme	SMI12000069	1935725	Rock	0.73	<0.005	<2	<0.3	<1	<1	<3	<1	<1	<1	26	0.12	<2	<2	5428	<0.5	<3	<3	2	34.47	0.01	<1	<1	1.87	10	0.004	<20	0.22	0.01	0.01	<2	<5	<1	<5	0.16	<5	25-Jul-12
CA1203	Drill Core	8.0	10.0	Acme	SMI12000069	1935726	Rock	3.63	0.162	<2	0.9	345	10	<3	45	<1	15	2095	4.27	58	<2	66	<0.5	<3	<3	29	4.94	0.13	8	3	0.61	26	<0.001	<20	1.14	0.02	0.37	<2	<5	<1	<5	3.19	<5	25-Jul-12
CA1203	Drill Core	10.0	12.0	Acme	SMI12000069	1935727	Rock	2.59	0.109	<2	1.8	1528	7	12	26	2	19	788	3.76	50	<2	40	<0.5	<3	<3	17	1.93	0.16	5	3	0.36	27	<0.001	<20	1	0.01	0.42	<2	<5	1	<5	2.78	<5	25-Jul-12
CA1202	Drill Core	62.0	64.0	Acme	SMI12000069	1935609	PD	3.77	0.299	<2	1.5	1038	4	<3	59	<1	8	1651	3.82	13	3	55	1.3	<3	5	26	3.81	0.12	7	2	0.73	58	<0.001	<20	1.5	0.02	0.35	<2	<5	<1	<5	1.40	<5	25-Jul-12
CA1202	Drill Core	62.0	64.0	Acme	SMI12000069	1935609	REP		0.282																																			25-Jul-12
CA1202	Drill Core	264.0	266.0	Acme	SMI12000069	1935712	PD	3.86	0.006	<2	<0.3	21	<1	7	85	47	24	1211	5.02	2	<2	104	0.7	<3	<3	118	3.95	0.14	12	58	2.68	301	0.017	<20	2.97	0.09	0.18	<2	<5	<1	11	0.13	9	25-Jul-12
CA1202	Drill Core	264.0	266.0	Acme	SMI12000069	1935712	REP		<0.005																																			25-Jul-12
CA1202	Drill Core	128.0	130.0	Acme	SMI12000069	1935643	PD	4.15	0.135	<2	1	193	3	8	15	2	12	978	4.05	38	<2	55	<0.5	<3	3	20	3.87	0.16	6	2	0.31	50	<0.001	<20	1.01	0.02	0.37	<2	<5	1	5	3.10	6	25-Jul-12
CA1202	Drill Core	128.0	130.0	Acme	SMI12000069	1935643	REP		0.151																																			25-Jul-12
CA1202	Drill Core	204.0	206.0	Acme	SMI12000069	1935683	PD	2.21	0.400	<2	2.6	173	23	25	19	3	7	814	4.26	34	<2	45	0.7	<3	3	17	2.86	0.12	6	2	0.35	37	<0.001	<20	0.87	0.02	0.37	<2	<5	<1	<5	3.43	<5	25-Jul-12
CA1202	Drill Core	204.0	206.0	Acme	SMI12000069	1935683	REP		0.393																																			25-Jul-12
CA1202	Drill Core	36.0	38.0	Acme	SMI12000069	1935595	PD	3.23	0.075	<2	0.4	451	27	<3	80	2	7	1302	4.13	3	3	39	<0.5	<3	<3	62	2.7	0.12	11	3	0.98	426	0.002	<20	1.67	0.04	0.39	<2	<5	<1	6	0.42	<5	25-Jul-12
CA1202	Drill Core	36.0	38.0	Acme	SMI12000069	1935595	REP			<2	0.4	456	27	<3	80	2	7	1314	4.16	3	3	39	<0.5	<3	<3	62	2.71	0.12	11	3	0.99	428	0.002	30	1.68	0.05	0.39	<2	<5	<1	6	0.42	<5	25-Jul-12
CA1202	Drill Core	278.0	280.0	Acme	SMI12000069	1935719	PD	4.44	0.196	<2	0.3	374	15	8	25	4	14	342	5.78	13	2	215	<0.5	<3	<3	15	2.82	0.11	4	4	0.54	20	<0.001	<20	0.88	0.02	0.30	<2	<5	<1	<5	6.80	<5	25-Jul-12
CA1202	Drill Core	278.0	280.0	Acme	SMI12000069	1935719	REP			<2	0.3	384	14	9	26	4	13	346	5.84	12	2	222	<0.5	<3	<3	15	2.86	0.12	4	4	0.54	19	0.001	<20	0.91	0.02	0.31	<2	<5	<1	<5	6.95	<5	25-Jul-12
CA1202	Drill Core	102.0	104.0	Acme	SMI12000069	1935630	PD	3.14	0.038	<2	<0.3	247	29	<3	110	4	13	1563	4.32	7	3	42	1	<3	<3	56	3.22	0.15	6	4	1.43	170	0.001	<20	1.8	0.04	0.29	<2	<5	2	<5	1.05	6	25-Jul-12
CA1202	Drill Core	102.0	104.0	Acme	SMI12000069	1935630	REP			<2	<0.3	242	28	<3	107	4	13	1502	4.25	5	2	42	0.8	<3	<3	55	3.2	0.14	6	4	1.41	179	0.001	<20	1.71	0.04	0.29	<2	<5	2	<5	1.04	6	25-Jul-12
CA1202	Drill Core	170.0	172.0	Acme	SMI12000069	1935665	PD	3.24	0.305	<2	0.3	743	67	10	51	8	15	683	4.83	14	<2	55	<0.5	<3	4	52	2.68	0.17	8	7	0.85	80	0.002	<20	1.73	0.03	0.38	<2	<5	<1	8	1.80	5	25-Jul-12
CA1202	Drill Core	170.0	172.0	Acme	SMI12000069	1935665	REP			<2	<0.3	749	67	11	50	7	15	688	4.87	15	<2	56	<0.5	<3	<3	52	2.69	0.17	8	8	0.83	67	0.002	<20	1.75	0.03	0.37	<2	<5	<1	7	1.80	5	25-Jul-12
CA1202	Drill Core	210.0	212.0	Acme	SMI12000069	1935686	PD	3.39	0.232	<2	0.8	272	34	16	10	3	9	587	4.22	6	<2	35	0.6	<3	<3	14	2.2	0.14	5	3	0.23	52	0.001	<20	0.86	0.01	0.43	<2	<5	<1	<5	3.76	<5	25-Jul-12
CA1202	Drill Core	210.0	212.0	Acme	SMI12000069	1935686	REP			<2	0.8	271	33	29	10	3	9	586	4.23	6	<2	34	<0.5	<3	<3	14	2.2	0.14	5	2	0.24	52	0.001	<20	0.86	0.02	0.44	<2	<5	<1	<5	3.74	<5	25-Jul-12
CA1202	Drill Core	68.0	70.0	Acme	SMI12000069	1935612	PREP	1.98	0.085	<2	0.4	936	12	<3	143	2	9	1306	4.29	<2	2	24	1.2	<3	<3	99	1.4	0.15	11	4	1.48	199	0.048	<20	1.91	0.06	0.19	<2	<5	<1	<5	0.29	9	25-Jul-12
CA1202	Drill Core	68.0	70.0	Acme	SMI12000069	1935612	DUP	<0.01	0.084	<2	<0.3	918	13	<3	146	3	9	1306	4.36	<2	3	24	1.3	<3	<3	102	1.47	0.16	11	3	1.45	208	0.049	<20	1.95	0.07	0.21	<2	<5	<1	<5	0.25	10	25-Jul-12
CA1202	Drill Core	134.0	136.0	Acme	SMI12000069	1935646	PREP	4.46	0.005	<2	<0.3	119	2	<3	45	14	9	1048	3.72	4	<2	60	<0.5	<3	<3	48	3.55	0.16	25	23	1.36	70	0.002	<20	1.95	0.03	0.28	<2	<5	<1	8	<0.05	6	25-Jul-12
CA1202	Drill Core	134.0	136.0	Acme	SMI12000069	1935646	DUP	<0.01	<0.005	<2	<0.3	112	2	4	46	14	9	1069	3.75	3	<2	60	<0.5	<3	<3	50	3.6	0.16	25	25	1.39	72	0.002	<20	2.02	0.04	0.30	<2	<5	<1	10	<0.05	6	25-Jul-12
CA1202	Drill Core	198.0	200.0	Acme	SMI12000069	1935680	PREP	3.40	0.181	<2	0.3	566	9	15	39	8	14	1063	4.56	10	<2	65	0.7	<3	6	52	3.7	0.15	9	7	0.99	45	0.002	<20	1.77	0.03	0.37	<2	<5	<1	7	2.13	6	25-Jul-12
CA1202	Drill Core	198.0	200.0	Acme	SMI12000069	1935680	DUP	<0.01	0.174	<2	<0.3	552	10	18	39	8	13	1047	4.45	9	<2	64	0.7	<3	5	52	3.62	0.15	9	7	0.99	50	0.002	<20	1.83	0.03	0.40	<2	<5	<1	7	2.01	6	25-Jul-12
CA1202	Drill Core	268.0	270.0	Acme	SMI12000069	1935714	PREP	4.12	0.183	<2	0.4	379	17	5	39	4	17	593	4.22	18	2	224	<0.5	<3	<3	21	3.7	0.10	4	5	0.66	23	<0.001	<20	1.04	0.03	0.29	<2	<5	<1	<5	4.60	<5	25-Jul-12
CA1202	Drill Core	268.0	270.0	Acme	SMI12000069	1935714	DUP	<0.01	0.190	<2	0.4	387	16	10	38	3	18	585	4.25	18	3	228	<0.5	<3	<3	20	3.74	0.10	4	4	0.65	18	<0.001	<20	1.05	0.02	0.28	<2	<5	<1	<5	4.71	<5	25-Jul-12
CA1203	Drill Core	12.0	14.0	Acme	SMI12000070	1935728	Rock	2.69	0.045	<2	<0.3	59	19	5	91	20	15	1398	4.72	13	<2	42	<0.5	<3	5	70	3.1	0.15	9	43	1.83	245	0.002	<20	2.46	0.03	0.32	<2	<5	<1	7	0.95	5	24-Jul-12
CA1203	Drill Core	14.0	16.0	Acme	SMI12000070	1935729	Rock	1.30	0.084	<2	<0.3	131	6	<3	88	3	8	1249	3.81	6	<2	34	<0.5	<3	<3	75	2.23	0.15	8	5	1.24	360	0.002	<20	1.93	0.04	0.34	<2	<5	<1	6	0.53	<5	24-Jul-12
CA1203	Drill Core	16.0	18.0	Acme	SMI12000070	1935730	Rock	2.50	0.048	<2	<0.3	96	5	<3	88	2	8	1214	3.57	5	<2	35	<0.5	<3	4	54	2.06	0.12	9	4	1.08	129	0.002	<20	1.72	0.05	0.34	<2	<5	<1	6	1.04	<5	24-Jul-12
CA1203	Drill Core	18.0	20.0	Acme	SMI12000070	1935731	Rock	2.95	0.045	<2	<0.3	78	7	<3	91	2	10	1162	3.71	5	<2	31	<0.5	<3	<3	50	2.15	0.12	11	4	1.08	172	0.002	<20	1.72	0.04	0.34	<2	<5	<1	<5	1.33	<5	24-Jul-12
CA1203	Drill Core	20.0	22.0	Acme	SMI12000070	1935732	Rock	2.94	0.118	<2	0.4	8	20	<3	78	3	6	1035	6.46	16	<2	22	<0.5	<3	4	46	1.54	0.11	7	3	0.91	28	0.002	<20	1.55	0.05	0.33	<2	<5	<1	<5	5.29	<5	24-Jul-12
CA1203	Drill Core	22.0	24.0	Acme	SMI12000070	1935733	Rock	2.93	0.064	<2	<0.3	638	9	<3	80	2	7	1104	3.36	3	<2	42	<0.5	<3	<3	53	2.21	0.12	11	3	0.97	371	0.002	<20	1.65	0.05	0.34	<2	<5	<1	<5	0.65	<5	24-Jul-12
CA1203	Drill Core	24.0	26.0	Acme	SMI12000070	1935734	Rock	2.87	0.104	<2	<0.3	138	11	<3	74	2	4	986	3.30	<2	<2	34	<0.5	<3	<3	60	2.17	0.12	11	4	0.95	553	0.002	<20	1.52	0.07	0.31	<2	<5	<1	<5	0.13	<5	24-Jul-12
CA1203	Drill Core	26.0	28.0	Acme	SMI12000070	1935735	Rock	2.83	0.132	<2	<0.3	96	8	<3	66	2	7	961	3.03	2	<2	31	<0.5	<3	<3	44	2.4	0.12	10	3	0.9	190	0.005	<20	1.43	0.05	0.31	<2	<5	<1	<5	1.10	<5	24-Jul-12
CA1203	Drill Core	28.0	30.0	Acme	SMI12000070	1935736	Rock	3.17	0.359	<2	0.9	110	15	<3	66	2	8	900	2.87	2	<2	31	<0.5	<3	<3	44	2.18	0.12	10	4	0.88	244	0.002	<20	1.47	0.05	0.34	<2	<5	<1	<5	0.90	<5	24-Jul-12
CA1203	Drill Core	30.0	32.0	Acme	SMI12000070	1935737	Rock	3.29	0.116	<2	<0.3	189	8	<3	81	2	9	932	2.80	3	<2	27	<0.5	<3	<3	53	1.63	0.12	8	3	0.96	382	0.015	<20	1.5	0.06	0.30	<2	<5	<1	<5	0.59	<5	24-Jul-12
CA1203	Drill Core	32.0	34.0	Acme	SMI12000070	1935738	Rock	3.79	0.121	<2	0.9	182	14	<3	74	2	9	1012	3.42	2	<2	38	<0.5	<3	5	46	2.4	0.12	8	3	0.9	228	0.002	<20	1.55	0.05	0.38	<2	<5	<1	<5	0.86	<5	24-Jul-12

hole_id	Material	FROM	TO	Lab	Job	Sample	Type	Wgt	Au-fa	Au	Ag	Cu	Mo	Pb	Zn	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc	Date
CA1203	Drill Core	34.0	36.0	Acme	SMI12000070	1935739	Rock	2.32	0.068	<2	<0.3	102	9	<3	76	2	9	979	3.05	<2	3	30	<0.5	<3	3	47	2.17	0.12	7	3	0.96	250	0.002	<20	1.56	0.05	0.33	<2	<5	<1	<5	0.66	<5	24-Jul-12
CA1203	Drill Core	36.0	38.0	Acme	SMI12000070	1935740	Rock	3.07	0.028	<2	<0.3	59	8	<3	98	2	10	1077	3.41	<2	<2	31	<0.5	<3	<3	53	2	0.12	10	3	1.19	262	0.003	<20	1.88	0.06	0.32	<2	<5	<1	6	0.55	<5	24-Jul-12
CA1203	Drill Core	38.0	40.0	Acme	SMI12000070	1935741	Rock	1.18	0.049	<2	<0.3	84	8	<3	77	2	6	915	3.00	2	<2	22	<0.5	<3	<3	43	1.7	0.12	8	3	1.03	93	0.002	<20	1.64	0.05	0.33	<2	<5	<1	6	0.48	<5	24-Jul-12
CA1203	Drill Core	40.0	42.0	Acme	SMI12000070	1935742	Rock	2.40	0.443	<2	<0.3	33	15	<3	38	2	16	746	3.18	4	<2	37	<0.5	<3	<3	28	2.98	0.11	7	2	0.61	64	<0.001	<20	1.07	0.03	0.34	<2	<5	<1	<5	2.59	<5	24-Jul-12
CA1203	Drill Core	42.0	44.0	Acme	SMI12000070	1935743	Rock	2.89	0.554	<2	<0.3	32	7	<3	37	2	11	709	2.84	3	<2	40	<0.5	<3	<3	27	3.1	0.12	7	<1	0.54	113	<0.001	<20	1.09	0.04	0.36	<2	<5	<1	<5	1.91	<5	24-Jul-12
CA1203	Drill Core	44.0	46.0	Acme	SMI12000070	1935744	Rock	3.97	0.136	<2	<0.3	13	9	<3	51	2	8	875	3.10	4	<2	39	<0.5	<3	<3	44	3.01	0.12	9	3	0.82	104	<0.001	<20	1.32	0.04	0.36	<2	<5	<1	<5	1.53	<5	24-Jul-12
CA1203	Drill Core	46.0	48.0	Acme	SMI12000070	1935745	Rock	1.83	0.046	<2	<0.3	30	10	<3	57	2	6	760	2.55	<2	<2	36	<0.5	<3	3	43	2.51	0.11	18	3	0.86	80	0.006	<20	1.24	0.05	0.30	<2	<5	<1	<5	1.35	<5	24-Jul-12
CA1203	Drill Core	48.0	50.0	Acme	SMI12000070	1935746	Rock	2.97	0.098	<2	<0.3	61	22	<3	69	2	6	690	3.28	2	<2	33	<0.5	<3	<3	52	1.86	0.11	13	3	0.87	37	0.027	<20	1.3	0.06	0.29	<2	<5	<1	<5	1.77	<5	24-Jul-12
CA1203	Drill Core	50.0	52.0	Acme	SMI12000070	1935747	Rock	3.06	0.187	<2	<0.3	23	13	<3	7	2	8	700	3.29	3	<2	50	<0.5	<3	<3	8	3.54	0.12	7	2	0.08	21	<0.001	<20	0.56	0.02	0.37	<2	<5	<1	<5	3.63	<5	24-Jul-12
CA1203	Drill Core	52.0	54.0	Acme	SMI12000070	1935748	Rock	3.86	0.120	<2	<0.3	391	9	<3	4	1	7	731	1.36	12	<2	48	<0.5	<3	<3	7	3.35	0.12	10	2	0.08	170	<0.001	<20	0.6	0.02	0.40	<2	<5	<1	<5	1.23	<5	24-Jul-12
CA1203	Drill Core	54.0	56.0	Acme	SMI12000070	1935749	Rock	3.74	0.107	<2	<0.3	123	8	<3	29	1	6	876	1.94	12	<2	47	<0.5	<3	<3	20	2.87	0.12	8	<1	0.35	63	<0.001	<20	0.9	0.03	0.39	<2	<5	<1	<5	1.15	<5	24-Jul-12
CA1203	Std CDN CM-14			Acme	SMI12000070	1935750	Rock Pulp	0.08	0.813	<2	4.3	>10000	421	8	71	35	10	454	2.93	15	<2	39	0.5	<3	<3	54	0.78	0.06	6	48	0.67	127	0.105	<20	1.3	0.10	0.12	22	<5	<1	<5	0.82	<5	24-Jul-12
CA1203	Drill Core	56.0	58.0	Acme	SMI12000070	1935751	Rock	3.40	0.102	<2	<0.3	76	7	<3	59	2	8	1039	2.86	3	<2	49	<0.5	<3	<3	36	3.61	0.11	11	2	0.62	39	0.002	<20	1.1	0.04	0.36	<2	<5	<1	<5	1.95	<5	24-Jul-12
CA1203	Drill Core	58.0	60.0	Acme	SMI12000070	1935752	Rock	3.94	0.175	<2	<0.3	139	6	4	11	2	13	1043	3.22	6	<2	57	<0.5	<3	<3	10	4.48	0.11	8	1	0.12	35	<0.001	<20	0.61	0.02	0.35	<2	<5	<1	<5	3.47	<5	24-Jul-12
CA1203	Drill Core	60.0	62.0	Acme	SMI12000070	1935753	Rock	3.91	0.079	<2	<0.3	96	6	4	21	2	11	680	4.32	<2	<2	53	<0.5	<3	3	15	3.83	0.12	8	2	0.18	16	<0.001	<20	0.7	0.03	0.38	<2	<5	<1	<5	4.86	<5	24-Jul-12
CA1203	Drill Core	62.0	64.0	Acme	SMI12000070	1935754	Rock	4.13	0.078	<2	<0.3	133	4	7	41	2	12	846	3.56	8	<2	56	0.5	<3	<3	35	4.05	0.14	8	3	0.52	22	<0.001	<20	0.92	0.03	0.34	<2	<5	<1	<5	3.37	<5	24-Jul-12
CA1203	Drill Core	64.0	66.0	Acme	SMI12000070	1935755	Rock	4.15	0.085	<2	<0.3	139	3	10	95	2	14	861	4.55	6	<2	28	0.8	<3	<3	80	1.81	0.15	7	2	1.2	15	0.006	<20	1.38	0.05	0.25	<2	<5	<1	5	3.80	<5	24-Jul-12
CA1203	Drill Core	66.0	68.0	Acme	SMI12000070	1935756	Rock	1.88	0.049	<2	<0.3	48	20	10	74	2	15	549	4.94	3	<2	25	0.6	<3	3	65	1.52	0.15	8	2	0.98	11	0.004	<20	1.11	0.06	0.31	<2	<5	<1	<5	4.92	<5	24-Jul-12
CA1203	Drill Core	68.0	70.0	Acme	SMI12000070	1935757	Rock	2.80	0.063	<2	<0.3	111	3	4	61	2	10	713	3.81	3	<2	39	0.5	<3	<3	52	2.27	0.13	6	3	0.9	15	0.001	<20	1.21	0.04	0.33	<2	<5	<1	<5	3.18	<5	24-Jul-12
CA1203	Drill Core	70.0	72.0	Acme	SMI12000070	1935758	Rock	3.28	0.081	<2	<0.3	136	3	6	59	2	18	769	4.71	5	<2	33	0.6	<3	<3	68	2.27	0.16	5	3	1.09	12	0.002	<20	1.34	0.04	0.29	<2	<5	<1	<5	4.05	<5	24-Jul-12
CA1203	Drill Core	72.0	74.0	Acme	SMI12000070	1935759	Rock	3.20	0.099	<2	<0.3	209	4	7	65	2	16	759	4.72	3	<2	31	0.7	<3	<3	69	2.13	0.16	5	2	1.08	11	0.003	<20	1.31	0.05	0.35	<2	<5	<1	<5	4.53	<5	24-Jul-12
CA1203	Drill Core	74.0	76.0	Acme	SMI12000070	1935760	Rock	3.83	0.089	<2	<0.3	182	4	13	95	2	10	559	4.03	<2	<2	25	0.7	<3	<3	79	1.36	0.16	8	2	1.21	18	0.031	<20	1.36	0.05	0.36	<2	<5	<1	<5	3.83	6	24-Jul-12
CA1203	Drill Core	76.0	78.0	Acme	SMI12000070	1935761	Rock	2.62	0.056	<2	<0.3	85	3	8	55	2	14	499	4.90	2	<2	24	0.6	<3	<3	58	1.36	0.15	7	1	0.92	25	0.011	<20	1.2	0.04	0.40	<2	<5	<1	<5	4.93	<5	24-Jul-12
CA1203	Drill Core	78.0	80.0	Acme	SMI12000070	1935762	Rock	2.81	0.039	<2	<0.3	96	7	7	57	2	11	613	4.19	<2	<2	28	<0.5	<3	<3	75	1.67	0.15	6	3	1.09	16	0.015	<20	1.2	0.05	0.28	<2	<5	<1	<5	4.02	<5	24-Jul-12
CA1203	Drill Core	80.0	82.0	Acme	SMI12000070	1935763	Rock	3.18	0.069	<2	<0.3	89	4	6	75	2	12	923	4.86	6	<2	38	0.7	<3	<3	58	2.32	0.15	5	2	1.09	25	<0.001	<20	1.42	0.03	0.34	<2	<5	<1	<5	4.20	<5	24-Jul-12
CA1203	Drill Core	82.0	84.0	Acme	SMI12000070	1935764	Rock	3.05	0.040	<2	<0.3	35	3	6	86	2	11	1131	4.78	4	<2	40	0.6	<3	3	63	2.74	0.16	6	2	1.22	37	<0.001	<20	1.52	0.03	0.29	<2	<5	<1	<5	3.93	<5	24-Jul-12
CA1203	Drill Core	84.0	86.0	Acme	SMI12000070	1935765	Rock	3.64	0.038	<2	<0.3	13	2	8	83	2	12	1454	5.12	10	<2	55	0.6	<3	<3	62	3.41	0.15	7	3	1.18	21	<0.001	<20	1.66	0.03	0.29	<2	<5	<1	5	3.74	5	24-Jul-12
CA1203	Drill Core	86.0	88.0	Acme	SMI12000070	1935766	Rock	3.84	0.024	<2	<0.3	7	<1	3	33	2	8	852	2.85	11	<2	52	<0.5	<3	<3	30	2.61	0.17	6	<1	0.42	75	<0.001	<20	0.92	0.03	0.34	<2	<5	<1	<5	2.30	<5	24-Jul-12
CA1203	Drill Core	88.0	90.0	Acme	SMI12000070	1935767	Rock	4.20	0.053	<2	0.8	91	<1	6	106	2	11	1543	4.18	17	<2	43	0.6	<3	<3	74	2.73	0.15	5	3	1.23	57	0.003	<20	1.55	0.05	0.29	<2	<5	<1	6	3.23	6	24-Jul-12
CA1203	Drill Core	90.0	92.0	Acme	SMI12000070	1935768	Rock	4.28	0.301	<2	5.1	638	1	6	93	2	13	1269	5.35	19	<2	39	0.7	<3	<3	66	2.42	0.15	7	2	1.2	19	0.025	<20	1.54	0.05	0.24	<2	<5	<1	<5	4.03	5	24-Jul-12
CA1203	Drill Core	92.0	94.0	Acme	SMI12000070	1935769	Rock	3.84	0.014	<2	<0.3	21	<1	4	162	6	19	1777	5.14	8	<2	59	0.7	<3	<3	134	3.72	0.14	10	11	2.33	126	0.063	<20	2.74	0.04	0.26	<2	<5	<1	7	0.59	9	24-Jul-12
CA1203	Drill Core	94.0	96.0	Acme	SMI12000070	1935770	Rock	3.86	0.010	<2	<0.3	12	1	5	112	5	23	1178	4.58	9	<2	41	0.5	<3	<3	118	2.08	0.15	7	10	1.86	82	0.059	<20	2.23	0.08	0.21	<2	<5	<1	6	1.34	8	24-Jul-12
CA1203	Drill Core	96.0	98.0	Acme	SMI12000070	1935771	Rock	4.19	0.035	<2	<0.3	24	1	3	72	2	11	1050	3.88	15	<2	36	<0.5	<3	<3	87	2.35	0.16	5	2	1.4	89	0.061	<20	1.77	0.06	0.23	<2	<5	<1	<5	2.06	7	24-Jul-12
CA1203	Drill Core	98.0	100.0	Acme	SMI12000070	1935772	Rock	4.00	0.007	<2	<0.3	4	1	<3	100	3	7	1387	4.17	4	<2	43	<0.5	<3	<3	83	2.53	0.15	9	9	1.84	161	0.049	<20	2.55	0.06	0.26	<2	<5	<1	7	0.24	6	24-Jul-12
CA1203	Drill Core	100.0	102.0	Acme	SMI12000070	1935773	Rock	3.47	<0.005	<2	<0.3	27	<1	<3	84	2	5	1140	4.15	5	<2	37	0.5	<3	3	82	2.21	0.16	9	2	1.69	195	0.053	<20	2.34	0.06	0.26	<2	<5	<1	7	0.19	6	24-Jul-12
CA1203	Drill Core	102.0	104.0	Acme	SMI12000070	1935774	Rock	1.93	0.007	<2	<0.3	12	1	<3	81	2	9	1269	3.87	5	<2	45	<0.5	<3	<3	87	2.73	0.16	6	5	1.62	276	0.061	<20	2.19	0.07	0.26	<2	<5	<1	<5	0.59	7	24-Jul-12
CA1203	Duplicate			Acme	SMI12000070	1935775	Rock	1.69	0.006	<2	<0.3	11	1	<3	81	2	11	1221	3.94	7	<2	42	0.5	<3	<3	86	2.53	0.16	7	3	1.62	258	0.061	<20	2.15	0.06	0.24	<2	<5	<1	6	0.71	6	24-Jul-12
CA1203	Drill Core	104.0	106.0	Acme	SMI12000070	1935776	Rock	4.02	0.007	<2	<0.3	33	1	<3	75	2	12	1199	4.40	5	<2	41	<0.5	<3	3	79	2.5	0.16	7	4	1.58	164	0.046	<20	2.14	0.07	0.27	<2	<5	<1	5	1.42	7	24-Jul-12
CA1203	Drill Core	106.0	108.0	Acme	SMI12000070	1935777	Rock	4.19	<0.005	<2	<0.3	48	<1	5	84	39	29	1667	6.22	4	<2	266	0.9	<3	<3	171	3.7	0.12	7	72	2.89	79	0.169	<20	3.33	0.17	0.18	<2	<5	<1	7	0.68	14	24-Jul-12
CA1203	Drill Core	108.0	110.0	Acme	SMI12000070	1935778	Rock	4.78	<0.005	<2	1.1	42	<1	3	79	57	35	1569	6.69	<2	<2	309	0.9	<3	<3	219	3.95	0.11	8	124	3.27	51	0.253	<20	4.07	0.33	0.14	<2	<5	<1	10	0.08	19	24-Jul-12
CA1203	Drill Core	110.0	112.0	Acme	SMI12000070	1935779	Rock	4.26	0.005	<2	0.4	38	<1	4	88	48	31	1857	6.54	3	<2	146	0.9	<3	3	193	3.9	0.12	8	109	3.26	84	0.328	<20	3.38	0.14	0.13	<2	<5	<1	5	0.31	18	24-Jul-12
CA1203	Drill Core	112.0	114.0	Acme	SMI12000070	1935780	Rock	3.73	0.009	<2	<0.3	10	1	4	73	2	9	1589	4.05	11	<2	51	0.7	<3	4	94	3.71	0.15	8	4	1.5	99	0.020	<20	1.86	0.07	0.26	<2	<5	<1	7	2.03	7	24-Jul-12
CA1203	Drill Core	114.0	116.0	Acme	SMI12000070	1935781	Rock	4.02	0.017	<2	<0.3	11	1	<3	81	2	7	1386	3.90	8	<2	42	<0.5	<3	<3	86	2.9	0.15	6	3	1.49	72	0.012	<20	1.79	0.06	0.24	<2	<5	<1	<5	2.19	6	24-Jul-12
CA1203	Drill Core	116.0	118.0	Acme	SMI12000070	1935782	Rock	3.80	0.013	<2	0.3	6	2	<3	65	2	14	1080	4.14	12	<2	39	<0.5	<3	4	61	2.69	0.15	6	3	1.22	60	0.002	<20	1.53	0.06	0.31	<2	<5	<1	<5	3.02	6	24-Jul-12
CA1203	Drill Core	118.0	120.0	Acme	SMI12000070	1935783	Rock	4.11	0.014	<2	<0.3	17	1	4	65	2	14	1428	4.36	16	<2	47	<0.5	<3	<3	58	3.66	0.15	5	2	1.13	38	0.002	<20	1.49	0.04	0.30	<2	<5	<1	<5	3.43	6	24-Jul-12
CA1203	Drill Core	120.0	122.0	Acme	SMI12000070	1935784	Rock	4.62	0.124	<2	2.8	544	1	8	99	2	12	1606	8.74	30	<2	38	0.7	<3	8	50	2.31	0.15	5	<1	1.25	24	0.003	<20	2.21	0.02	0.37	<2	<5	<1	<5	5.77	6	24-Jul-12
CA1203	Drill Core	122.0	124.0	Acme	SMI12000070	1935785	Rock	4.86	0.037	<2	0.3	7	1	3	77	2	15	1272	5.06	20	<2	41	<0.5	<3	<3	56	2.79	0.16	6	1	1.09	45	0.002	<20	1.74	0.03	0.34	<2	<5	<1	<5	3.11	6	24-Jul-12
CA1203	Drill Core	124.0	126.0	Acme	SMI12000070	1935786	Rock	4.06	0.022	<2	<0.3	5	1	5	82	3	17	1374	5.36	16	<2	44	<0.5	<3	<3	54	3.09	0.17	6	2	1.24	45	<0.001	<20	1.82	0.04	0.38	<2	<5	<1	<5	3.77	6	24-Jul-12
CA1203	Drill Core	126.0	128.0	Acme	SMI12000070	1935787	Rock	4.44	0.027	<2	<0.3	17	<1	5	94	4	13	1496	3.77	13	<2	45	<0.5	<3	<3	70	3.05	0.15	8	6	1.39	101	0.001	<20	1.81	0.03	0.33	<2	<5	<1	<5	1.94	6	24-Jul-12
CA1203	Drill Core	128.0	130.0	Acme	SMI12000070	1935788	Rock	4.36	0.062	<2	<0.3	62	<1	4	108	12	10	2130	4.13	7	<2	70	0.6	<3	<3	90	4.27	0.14	9	27	1.92	361	0.003	<20	2.51	0.04	0.33	<2	<5	<1	6	0.60	7	24-Jul-12
CA1203	Drill Core	130.0	132.0	Acme	SMI12000070	1935789	Rock	4.10	0.042	<2	<0.3	49	<1	6	111	2	12	1774	3.50	18	<2	57	<0.5	<3	<3	67	3.28	0.15	7	4	1.33	179	0.003	<20	1.8	0.03	0.36	<2	<5	<1	5	1.60	7	24-Jul-12
CA1203	Drill Core	132.0	134.0	Acme	SMI12000070	1935790	Rock	3.81	0.025	<2	<0.3	34	<1	4	97	2	7	1733	3.06	15	<2	50	<0.5	<3	4	67	3.05	0.15	9	4	1.3	273	0.004	<20	1.78	0.03	0.38	<2	<5	<1	6	1.01	6	24-Jul-12
CA1203	Drill Core	134.0	136.0	Acme	SMI12000070	1935791	Rock	4.28	0.028	<2	<0.3	266	<1	3	74	2	14	2058	4.60	24	<2	64	<0.5	<3	4	52	4.17	0.14	7	2	0.94	123	0.001	<20	1.65	0.02	0.38	<2	<5	<1	5	2.74	6	24-Jul-12
CA1203	Drill Core	136.0	138.0	Acme	SMI12000070	1935792	Rock	3.63	0.015	<2	<0.3	5	<1	<3	85	3	10	1918	4.20	18	<2	51	<0.5	<3	<3	64	3.47	0.15	6	2	1.18	148	0.001	<20	1.77	0.03	0.36	<2	<5	<1	6	2.23	7	24-Jul-12
CA1203	Drill Core	138.0	140.0	Acme	SMI12000070	1935793	Rock	3.67	0.019	<2	<0.3	35	1	4	91	2	13	1774	4.27	12	<2	50	<0.5	<3	<3	62	3.08	0.15	5	3	1.26	60	0.001	<20	1.72	0.03	0.36	<2	<5	<1	5	2.74	7	24-Jul-12
CA1203	Drill Core	140.0	142.0	Acme	SMI12000070	1935794	Rock	4.37	0.035	<2	<0.3	19	<1	<3	132	<1	11	1846	3.95	12	<2	52	0.7	<3	5	78	2.85	0.15	5	4	1.34	133	0.007	<20	1.81	0.04	0.31	<2	<5	<1	7	2.09	7	24-Jul-12
CA1203	Drill Core	142.0	144.0	Acme	SMI12000070	1935795	Rock	3.76	0.043	<2	<0.3	212	<1	4	127	1	11	2090	5.66	13	<2	45	<0.5	<3	<3	70	2.18	0.15	6	3	1.42	90	0.002	<20	2.34	0.02	0.36	<2	<5	<1	8	2.21	6	24-Jul-12

All assays ppm except Ca, Fe, K, Na, Mg, P, S, Ti in %

hole_id	Material	FROM	TO	Lab	Job	Sample	Type	Wgt	Au-fa	Au	Ag	Cu	Mo	Pb	Zn	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc	Date
CA1203	Drill Core	144.0	146.0	Acme	SMI12000070	1935796	Rock	4.37	0.021	<2	<0.3	25	<1	<3	117	1	10	2218	4.50	8	<2	61	<0.5	<3	<3	56	2.6	0.15	8	3	1.4	194	0.004	<20	2.28	0.02	0.41	<2	<5	<1	7	1.29	5	24-Jul-12
CA1203	Drill Core	146.0	148.0	Acme	SMI12000070	1935797	Rock	4.47	0.024	<2	<0.3	124	<1	<3	98	<1	11	2107	4.32	12	<2	58	<0.5	<3	<3	51	3.24	0.14	6	3	1.26	129	0.002	<20	2	0.02	0.41	<2	<5	<1	5	1.86	6	24-Jul-12
CA1203	Drill Core	148.0	150.0	Acme	SMI12000070	1935798	Rock	4.38	0.047	<2	<0.3	136	<1	4	101	1	13	1936	6.45	14	<2	45	<0.5	<3	<3	54	2.98	0.15	6	3	1.09	84	0.001	<20	2.28	0.01	0.40	<2	<5	<1	<5	2.82	5	24-Jul-12
CA1203	Drill Core	150.0	152.0	Acme	SMI12000070	1935799	Rock	4.18	0.022	<2	<0.3	16	<1	4	104	1	12	2258	5.73	10	<2	63	<0.5	<3	<3	57	3.92	0.14	7	3	1.24	80	0.001	<20	2.27	0.02	0.38	<2	<5	<1	7	2.26	6	24-Jul-12
CA1203	Std CDN CM-21			Acme	SMI12000070	1935800	Rock Pulp	0.08	0.431	<2	1.2	5238	330	4	47	25	12	414	3.05	6	<2	37	<0.5	<3	<3	57	0.79	0.05	4	28	0.67	119	0.112	<20	1.4	0.10	0.14	13	<5	<1	6	0.65	<5	24-Jul-12
CA1203	Drill Core	152.0	154.0	Acme	SMI12000070	1935801	Rock	4.28	0.012	<2	<0.3	50	<1	4	146	12	16	2363	5.74	7	<2	59	<0.5	<3	<3	79	3.41	0.14	7	30	2	201	0.002	<20	3.08	0.02	0.35	<2	<5	<1	9	0.93	7	24-Jul-12
CA1203	Drill Core	154.0	156.0	Acme	SMI12000070	1935802	Rock	4.02	0.008	<2	<0.3	38	<1	8	152	32	26	2056	5.41	5	<2	61	<0.5	<3	6	107	4.41	0.13	10	86	2.46	43	0.003	<20	3.1	0.02	0.29	<2	<5	<1	10	0.65	9	24-Jul-12
CA1203	Drill Core	156.0	158.0	Acme	SMI12000070	1935803	Rock	4.41	<0.005	<2	<0.3	21	1	9	174	47	32	2252	6.49	4	<2	84	0.6	<3	5	167	4.55	0.11	11	138	3.16	127	0.204	<20	3.75	0.04	0.16	<2	<5	<1	16	0.12	13	24-Jul-12
CA1203	Drill Core	158.0	160.0	Acme	SMI12000070	1935804	Rock	3.98	0.009	<2	<0.3	29	1	6	135	21	24	1978	5.89	8	<2	67	0.5	<3	<3	92	4.49	0.14	9	66	2.03	35	0.027	<20	2.9	0.01	0.33	<2	<5	<1	9	1.53	8	24-Jul-12
CA1203	Drill Core	160.0	162.0	Acme	SMI12000070	1935805	Rock	3.57	0.038	<2	<0.3	25	<1	<3	115	16	20	1749	5.33	9	<2	54	<0.5	<3	<3	87	3.22	0.13	12	40	1.75	57	0.060	<20	2.42	0.03	0.30	<2	<5	<1	9	1.50	7	24-Jul-12
CA1203	Drill Core	162.0	164.0	Acme	SMI12000070	1935806	Rock	4.38	0.087	<2	<0.3	347	1	<3	67	2	15	1620	4.14	10	<2	57	<0.5	<3	4	38	3.39	0.15	7	2	0.74	137	0.002	<20	1.5	0.02	0.38	<2	<5	<1	<5	2.35	<5	24-Jul-12
CA1203	Drill Core	164.0	165.5	Acme	SMI12000070	1935807	Rock	2.83	0.182	<2	<0.3	906	2	<3	61	2	14	2080	5.52	20	<2	70	<0.5	<3	<3	39	4.24	0.13	7	2	0.62	45	<0.001	<20	1.56	<0.01	0.37	<2	<5	<1	<5	3.09	<5	24-Jul-12
CA1204	Drill Core	6.1	8.0	Acme	SMI12000070	1935808	Rock	2.60	0.183	<2	1.2	447	4	<3	46	1	4	628	2.82	4	3	65	<0.5	<3	<3	30	0.25	0.10	12	3	0.54	3142	0.002	<20	1.12	0.02	0.35	<2	<5	<1	<5	0.10	<5	24-Jul-12
CA1204	Drill Core	8.0	10.0	Acme	SMI12000070	1935809	Rock	3.45	0.166	<2	1.4	223	5	<3	72	1	8	997	4.03	<2	4	11	<0.5	<3	<3	58	0.22	0.12	13	3	0.81	634	0.005	<20	1.33	0.03	0.30	<2	<5	<1	<5	<0.05	<5	24-Jul-12
CA1204	Drill Core	10.0	12.0	Acme	SMI12000070	1935810	Rock	3.42	0.130	<2	1.2	155	4	4	67	<1	7	739	4.49	2	4	12	<0.5	<3	<3	70	0.22	0.12	8	3	0.82	353	0.031	<20	1.27	0.04	0.26	<2	<5	<1	7	<0.05	<5	24-Jul-12
CA1204	Drill Core	12.0	14.0	Acme	SMI12000070	1935811	Rock	3.29	0.377	<2	1.7	558	4	4	60	2	8	608	7.22	5	3	9	<0.5	<3	<3	62	0.15	0.09	7	4	0.83	513	0.004	<20	1.37	0.03	0.27	<2	<5	<1	7	0.09	<5	24-Jul-12
CA1204	Drill Core	14.0	16.0	Acme	SMI12000070	1935812	Rock	3.47	0.199	<2	0.4	1024	5	<3	77	2	8	777	6.74	4	2	9	<0.5	<3	<3	65	0.31	0.11	7	5	1.03	414	0.004	<20	1.6	0.03	0.24	<2	<5	<1	8	0.11	<5	24-Jul-12
CA1204	Drill Core	16.0	18.0	Acme	SMI12000070	1935813	Rock	3.71	0.298	<2	0.4	1867	6	<3	68	3	10	743	7.08	3	3	11	<0.5	<3	<3	76	0.41	0.10	9	5	1.06	264	0.008	<20	1.52	0.04	0.26	<2	<5	<1	8	0.12	<5	24-Jul-12
CA1204	Drill Core	18.0	20.0	Acme	SMI12000070	1935814	Rock	3.03	0.377	<2	1.3	2670	12	<3	59	1	8	896	4.96	4	2	20	<0.5	<3	<3	59	1.3	0.09	8	4	0.82	319	0.009	<20	1.23	0.04	0.25	<2	<5	<1	7	0.58	<5	24-Jul-12
CA1204	Drill Core	20.0	22.0	Acme	SMI12000070	1935815	Rock	4.10	1.170	<2	4.8	5479	10	5	41	2	10	742	5.70	16	<2	18	<0.5	<3	5	27	1.37	0.08	4	3	0.53	83	0.001	<20	1.06	0.02	0.36	<2	<5	<1	<5	3.41	<5	24-Jul-12
CA1204	Drill Core	22.0	24.0	Acme	SMI12000070	1935816	Rock	3.42	0.188	<2	<0.3	1208	11	<3	44	1	9	1160	4.71	8	3	33	<0.5	<3	3	36	2.47	0.10	6	3	0.76	355	0.002	<20	1.36	0.02	0.31	<2	<5	<1	<5	1.14	<5	24-Jul-12
CA1204	Drill Core	24.0	26.0	Acme	SMI12000070	1935817	Rock	3.98	0.363	<2	0.5	1269	9	<3	26	3	11	1356	8.06	42	<2	40	<0.5	<3	8	46	3.43	0.11	7	7	0.8	46	0.002	<20	1.65	0.01	0.40	<2	<5	<1	<5	4.42	<5	24-Jul-12
CA1204	Drill Core	26.0	28.0	Acme	SMI12000070	1935818	Rock	3.91	0.143	<2	<0.3	784	14	<3	31	<1	9	1712	3.32	14	<2	50	<0.5	<3	<3	22	3.4	0.10	9	2	0.73	472	0.001	<20	1.3	0.01	0.37	<2	<5	<1	<5	0.68	<5	24-Jul-12
CA1204	Drill Core	28.0	30.0	Acme	SMI12000070	1935819	Rock	3.47	0.186	<2	0.5	1532	49	<3	29	1	10	1126	3.42	9	2	31	<0.5	<3	4	19	2.13	0.10	8	1	0.52	281	0.001	<20	1.23	<0.01	0.44	<2	<5	<1	<5	1.18	<5	24-Jul-12
CA1204	Drill Core	30.0	32.0	Acme	SMI12000070	1935820	Rock	3.71	0.896	<2	10.5	704	18	10	9	2	9	1040	10.42	62	<2	36	<0.5	<3	9	7	2.68	0.09	5	<1	0.13	13	<0.001	<20	0.53	0.01	0.35	<2	<5	2	<5	9.93	<5	24-Jul-12
CA1204	Drill Core	32.0	34.0	Acme	SMI12000070	1935821	Rock	3.31	0.234	<2	1	1152	14	<3	42	1	7	1239	3.76	15	3	43	<0.5	<3	<3	21	2.84	0.10	7	2	0.63	69	0.001	<20	1.21	0.01	0.38	<2	<5	<1	<5	1.97	<5	24-Jul-12
CA1204	Drill Core	34.0	36.0	Acme	SMI12000070	1935822	Rock	4.35	0.202	<2	0.4	561	18	7	29	2	8	867	6.08	36	<2	27	<0.5	<3	4	15	2.21	0.11	6	1	0.3	22	0.001	<20	0.78	0.01	0.38	<2	<5	<1	<5	5.55	<5	24-Jul-12
CA1204	Drill Core	36.0	38.0	Acme	SMI12000070	1935823	Rock	3.23	0.128	<2	<0.3	522	14	<3	43	1	5	1457	2.69	8	3	99	<0.5	<3	<3	35	3.79	0.11	12	2	0.45	218	0.001	<20	0.88	0.02	0.33	<2	<5	<1	<5	0.51	<5	24-Jul-12
CA1204	Drill Core	38.0	40.0	Acme	SMI12000070	1935824	Rock	3.48	0.156	<2	<0.3	421	11	6	23	2	5	964	3.73	28	<2	45	<0.5	<3	<3	19	3.08	0.11	7	1	0.37	43	<0.001	<20	0.96	0.01	0.41	<2	<5	<1	<5	2.47	<5	24-Jul-12
CA1204	Blank			Acme	SMI12000070	1935825	Rock	0.56	<0.005	<2	<0.3	<1	<1	3	<1	<1	<1	23	0.02	<2	<2	3852	<0.5	<3	<3	<1	34.13	0.00	<1	1	1.55	8	<0.001	<20	0.04	0.01	<0.01	<2	<5	<1	8	<0.05	<5	24-Jul-12
CA1204	Drill Core	40.0	42.0	Acme	SMI12000070	1935826	Rock	3.56	0.089	<2	<0.3	378	11	<3	52	2	5	1206	3.55	3	3	33	<0.5	<3	5	48	2.53	0.12	11	3	0.79	759	0.001	<20	1.4	0.03	0.39	<2	<5	<1	6	0.28	<5	24-Jul-12
CA1204	Drill Core	42.0	44.0	Acme	SMI12000070	1935827	Rock	2.78	0.438	<2	1.9	657	16	<3	32	2	6	1111	3.00	8	<2	40	<0.5	<3	7	21	2.52	0.12	8	2	0.47	185	<0.001	<20	1.06	0.02	0.46	<2	<5	<1	7	1.53	<5	24-Jul-12
CA1204	Drill Core	44.0	46.0	Acme	SMI12000070	1935828	Rock	3.67	0.180	<2	4.2	365	11	<3	43	2	5	1565	3.06	3	3	48	<0.5	<3	9	27	3.07	0.12	9	2	0.64	213	0.001	<20	1.26	0.02	0.41	<2	<5	<1	5	0.95	<5	24-Jul-12
CA1204	Drill Core	46.0	48.0	Acme	SMI12000070	1935829	Rock	4.58	0.455	<2	3.1	227	15	5	17	2	7	901	6.10	13	<2	37	<0.5	<3	9	9	2.78	0.10	6	3	0.15	26	<0.001	<20	0.65	0.01	0.44	<2	<5	<1	<5	6.21	<5	24-Jul-12
CA1204	Drill Core	48.0	50.0	Acme	SMI12000070	1935830	Rock	4.44	1.130	<2	6.8	133	13	22	8	2	9	623	14.66	70	<2	20	<0.5	<3	25	5	1.27	0.07	1	1	0.05	13	<0.001	<20	0.39	0.01	0.27	<2	<5	<1	<5	>10.00	<5	24-Jul-12
CA1204	Drill Core	50.0	52.0	Acme	SMI12000070	1935831	Rock	2.71	0.109	<2	<0.3	308	13	<3	47	<1	4	1312	2.87	9	3	45	<0.5	<3	<3	35	2.95	0.11	10	4	0.52	465	0.002	<20	1.13	0.03	0.37	<2	<5	<1	5	0.44	<5	24-Jul-12
CA1204	Drill Core	52.0	54.0	Acme	SMI12000070	1935832	Rock	3.27	0.318	<2	1.3	505	14	<3	59	2	7	1435	5.11	28	3	38	<0.5	<3	8	22	2.79	0.10	8	2	0.65	55	0.001	<20	1.17	0.02	0.36	<2	<5	<1	<5	3.88	<5	24-Jul-12
CA1204	Drill Core	54.0	56.0	Acme	SMI12000070	1935833	Rock	3.21	0.279	<2	2.5	301	11	3	67	1	5	1388	3.59	12	2	39	<0.5	<3	<3	25	2.63	0.11	8	3	0.64	77	0.002	<20	1.19	0.02	0.43	<2	<5	<1	<5	2.23	<5	24-Jul-12
CA1204	Drill Core	56.0	58.0	Acme	SMI12000070	1935834	Rock	2.56	0.791	<2	3.9	1103	13	5	20	1	4	702	3.90	15	<2	34	<0.5	<3	5	8	2.05	0.12	6	2	0.19	48	<0.001	<20	0.56	0.01	0.36	<2	<5	<1	<5	3.87	<5	24-Jul-12
CA1204	Drill Core	58.0	60.0	Acme	SMI12000070	1935835	Rock	2.94	0.308	<2	2.3	1068	162	4	30	2	12	1034	3.48	19	2	48	<0.5	<3	9	18	2.83	0.12	6	2	0.39	47	<0.001	<20	1.02	0.02	0.47	<2	<5	<1	<5	2.65	<5	24-Jul-12
CA1204	Drill Core	60.0	62.0	Acme	SMI12000070	1935836	Rock	3.57	0.256	<2	10.2	598	18	4	46	1	6	1263	3.93	11	2	44	<0.5	<3	4	27	2.87	0.11	7	3	0.66	63	<0.001	<20	1.24	0.02	0.39	<2	<5	4	6	2.35	<5	24-Jul-12
CA1204	Drill Core	62.0	64.0	Acme	SMI12000070	1935837	Rock	3.48	0.168	<2	<0.3	630	17	<3	19	1	6	1284	2.81	3	<2	54	<0.5	<3	5	19	4.15	0.11	8	2	0.35	112	0.001	<20	1.02	0.02	0.44	<2	<5	<1	6	1.37	<5	24-Jul-12
CA1204	Drill Core	64.0	66.0	Acme	SMI12000070	1935838	Rock	4.13	0.141	<2	2.2	453	6	3	33	1	6	829	3.82	12	3	39	<0.5	<3	6	34	2.47	0.11	7	3	0.67	103	0.001	<20	1.17	0.03	0.37	<2	<5	<1	<5	1.66	<5	24-Jul-12
CA1204	Drill Core	66.0	68.0	Acme	SMI12000070	1935839	Rock	3.29	0.655	<2	6.4	594	16	8	130	2	5	660	9.28	196	2	31	1.8	<3	6	21	2.13	0.10	6	3	0.33	11	<0.001	<20	0.8	0.02	0.39	<2	<5	<1	<5	8.44	<5	24-Jul-12
CA1204	Drill Core	68.0	70.0	Acme	SMI12000070	1935840	Rock	3.26	0.167	<2	0.9	667	14	<3	43	2	6	680	3.88	8	3	31	<0.5	<3	5	44	1.96	0.11	9	3	0.8	269	0.001	<20	1.26	0.03	0.34	<2	<5	<1	<5	1.33	<5	24-Jul-12
CA1204	Drill Core	70.0	72.0	Acme	SMI12000070	1935841	Rock	2.62	0.177	<2	1.1	427	18	<3	41	2	7	689	4.66	6	2	31	<0.5	<3	6	51	1.71	0.11	8	5	0.74	140	0.004	<20	1.19	0.05	0.33	<2	<5	<1	<5	1.83	<5	24-Jul-12
CA1204	Drill Core	72.0	74.0	Acme	SMI12000070	1935842	Rock	3.42	0.144	<2	<0.3	470	13	9	53	2	5	737	3.64	3	2	32	<0.5	<3	<3	61	1.42	0.11	8	3	0.88	320	0.015	<20	1.18	0.06	0.20	<2	<5	<1	<5	0.52	<5	24-Jul-12
CA1204	Drill Core	74.0	76.0	Acme	SMI12000070	1935843	Rock	3.35	0.130	<2	3.4	476	8	<3	34	2	5	782	3.04	4	3	41	<0.5	<3	4	29	2.31	0.10	8	3	0.62	142	0.001	<20	1.05	0.03	0.31	<2	<5	1	<5	1.31	<5	24-Jul-12
CA1204	Drill Core	76.0	78.0	Acme	SMI12000070	1935844	Rock	2.28	0.116	<2	<0.3	372	9	<3	49	2	5	741	4.32	<2	2	30	<0.5	<3	<3	75	1.63	0.10	9	3	0.8	355	0.011	<20	1.12	0.05	0.21	<2	<5	<1	<5	0.40	<5	24-Jul-12
CA1204	Drill Core	78.0	80.0	Acme	SMI12000070	1935845	Rock	2.74	0.263	<2	0.9	879	14	5	49	3	7	661	5.71	15	<2	15	<0.5	<3	5	64	0.87	0.11	8	6	0.96	153	0.005	<20	1.59	0.04	0.34	<2	<5	<1	6	1.91	<5	24-Jul-12
CA1204	Drill Core	80.0	82.0	Acme	SMI12000070	1935846	Rock	4.01	0.014	<2	<0.3	75	3	5	86	82	30	1371	4.91	4	<2	76	0.9	<3	<3	137	4.16	0.10	8	130	3.58	53	0.051	<20	3.55	0.14	0.14	<2	<5	<1	<5	<0.05	15	24-Jul-12
CA1204	Drill Core	82.0	84.0	Acme	SMI12000070	1935847	Rock	3.36	0.142	<2	<0.3	281	8	3	55	28	14	797	4.41	8	<2	40	<0.5	<3	<3	84	1.86	0.10	7	41	1.85	74	0.034	<20	2.11	0.10	0.21	<2	<5	<1	9	0.34	8	24-Jul-12
CA1204	Drill Core	84.0	86.0	Acme	SMI12000070	1935848	Rock	2.58	0.152	<2	0.7	465	15	<3	56	2	7	744	4.50	3	3	22	<0.5	<3	5	63	0.83	0.12	7	4	0.97	158	0.049	<20	1.37	0.05	0.21	<2	<5	<1	8	1.36	<5	24-Jul-12
CA1204	Drill Core	86.0	88.0	Acme	SMI12000070	1935849	Rock	3.21	0.184	<2	0.3	484	10	<3	46	2	6	723	4.22	<2	3	31	<0.5	<3	<3	58	1.29	0.11	10	5	0.88	363	0.008	<20	1.3	0.05	0.27	<2	<5	<1	6	0.93	<5	24-Jul-12
CA1204	Std CDN CM-22			Acme	SMI12000070	1935850	Rock Pulp	0.07	0.785	<2	1.1	9158	177	<3	39	22	11	493	3.62	5	<2	69	<0.5	<3	<3	45	0.94	0.06	7	26	0.66	112	0.087	<20	1.32	0.10	0.19	2	<5	<1	<5	1.19	<5	24-Jul-12
CA1204	Drill Core	88.0	90.0	Acme	SMI12000070	1935851	Rock	2.20	0.170	<2	0.4	627	12	<3	41	2	5	669	3.42	4	2	24	<0.5	<3	<3	47	1.23	0.11	10	3	0.87	296	0.002	<20	1.15	0.04	0.26	<2	<5	<1	<5	1.34	<5	24-Jul-12
CA1204	Drill Core	90.0	92.0	Acme	SMI12000070	1935852	Rock	3.08	0.300	<2	0.9	1053	12	<3	41	2	6	668	4.63	5	3	26	<0.5	<3	<3	51	1.21	0.09	10	4	0.87	153	0.002	<20	1.3	0.03	0.32	<2	<5	<1	<5	1.77	<5	24-Jul-12

All assays ppm except Ca, Fe, K, Na, Mg, P, S, Ti in %

hole_id	Material	FROM	TO	Lab	Job	Sample	Type	Wgt	Au-fa	Au	Ag	Cu	Mo	Pb	Zn	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc	Date
CA1204	Drill Core	92.0	94.0	Acme	SMI12000070	1935853	Rock	2.80	0.202	<2	0.7	719	12	<3	32	2	7	918	4.15	5	2	33	<0.5	<3	<3	35	2.01	0.10	6	3	0.72	82	0.002	<20	1.13	0.03	0.34	<2	<5	<1	<5	1.98	<5	24-Jul-12
CA1204	Drill Core	94.0	96.0	Acme	SMI12000070	1935854	Rock	4.89	0.351	<2	2.8	788	10	<3	15	2	6	1094	3.97	15	<2	50	<0.5	<3	<3	18	3.12	0.11	5	3	0.33	31	0.001	<20	1	0.02	0.48	<2	<5	<1	<5	2.84	<5	24-Jul-12
CA1204	Drill Core	96.0	98.0	Acme	SMI12000070	1935855	Rock	3.56	0.310	<2	0.5	657	14	<3	23	<1	9	957	3.95	12	3	48	0.6	<3	<3	22	3.13	0.12	5	1	0.49	50	<0.001	<20	1.21	0.02	0.39	<2	<5	<1	<5	2.46	<5	24-Jul-12
CA1204	Drill Core	98.0	100.0	Acme	SMI12000070	1935856	Rock	3.33	0.402	<2	<0.3	675	18	<3	18	2	8	904	4.71	14	2	38	<0.5	<3	5	14	2.81	0.10	5	2	0.41	28	<0.001	<20	1.03	0.02	0.47	<2	<5	<1	<5	3.99	<5	24-Jul-12
CA1204	Drill Core	100.0	102.0	Acme	SMI12000070	1935857	Rock	2.96	0.320	<2	<0.3	887	19	<3	30	2	8	836	4.96	17	2	36	0.5	<3	<3	29	2.32	0.11	5	2	0.56	45	0.001	<20	1	0.02	0.37	<2	<5	<1	<5	3.71	<5	24-Jul-12
CA1204	Drill Core	102.0	104.0	Acme	SMI12000070	1935858	Rock	3.68	0.326	<2	<0.3	1037	18	<3	38	2	8	819	4.86	7	<2	36	<0.5	<3	<3	50	2.04	0.11	5	5	0.78	123	0.001	<20	1.25	0.03	0.34	<2	<5	<1	<5	1.61	<5	24-Jul-12
CA1204	Drill Core	104.0	106.0	Acme	SMI12000070	1935859	Rock	3.85	0.402	<2	<0.3	939	14	6	32	2	12	1029	6.74	10	2	39	<0.5	<3	<3	50	2.83	0.11	5	3	0.71	31	0.001	<20	1.26	0.02	0.34	<2	<5	<1	5	3.74	<5	24-Jul-12
CA1204	Drill Core	106.0	108.0	Acme	SMI12000070	1935860	Rock	2.72	0.252	<2	<0.3	627	17	<3	30	<1	8	865	4.80	4	2	40	<0.5	<3	4	34	2.23	0.11	6	2	0.65	26	0.001	<20	1.09	0.02	0.32	<2	<5	<1	<5	3.22	<5	24-Jul-12
CA1204	Drill Core	108.0	110.0	Acme	SMI12000070	1935861	Rock	2.14	0.180	<2	1	642	14	<3	43	<1	6	621	3.98	4	3	31	<0.5	<3	<3	60	1.66	0.12	8	4	0.86	169	0.004	<20	1.26	0.04	0.30	<2	<5	<1	6	1.49	<5	24-Jul-12
CA1204	Drill Core	110.0	112.0	Acme	SMI12000070	1935862	Rock	2.45	0.301	<2	0.3	1195	20	<3	34	<1	8	1324	4.35	5	3	65	<0.5	<3	<3	47	3.6	0.11	9	3	0.86	73	0.001	<20	1.13	0.03	0.28	<2	<5	<1	6	1.63	<5	24-Jul-12
CA1204	Drill Core	112.0	114.0	Acme	SMI12000070	1935863	Rock	3.54	0.312	<2	<0.3	1281	21	<3	18	<1	8	946	3.52	5	2	50	<0.5	<3	<3	31	3.16	0.11	7	2	0.64	103	0.001	<20	1.22	0.03	0.35	<2	<5	<1	<5	1.41	<5	24-Jul-12
CA1204	Drill Core	114.0	116.0	Acme	SMI12000070	1935864	Rock	4.58	0.283	<2	0.8	702	30	5	16	2	10	857	5.41	18	<2	47	<0.5	<3	<3	20	3.19	0.10	6	2	0.49	22	0.001	<20	0.9	0.02	0.32	<2	<5	<1	<5	4.65	<5	24-Jul-12
CA1204	Drill Core	116.0	118.0	Acme	SMI12000070	1935865	Rock	2.43	0.227	<2	0.5	980	21	<3	42	2	10	754	4.89	8	3	41	<0.5	<3	<3	56	2.17	0.11	6	4	1.05	63	0.002	<20	1.49	0.04	0.28	<2	<5	<1	6	1.76	<5	24-Jul-12
CA1204	Drill Core	118.0	120.0	Acme	SMI12000070	1935866	Rock	3.66	0.217	<2	0.4	828	26	3	48	2	8	671	4.06	5	3	33	<0.5	<3	<3	57	1.74	0.12	7	2	0.96	160	0.002	<20	1.34	0.04	0.27	<2	<5	<1	6	1.33	<5	24-Jul-12
CA1204	Drill Core	120.0	122.0	Acme	SMI12000070	1935867	Rock	2.55	0.352	<2	0.5	744	17	4	38	2	9	892	4.19	9	3	39	<0.5	<3	4	49	2.5	0.12	7	3	0.96	55	0.001	<20	1.38	0.04	0.31	<2	<5	<1	6	2.25	<5	24-Jul-12
CA1204	Drill Core	122.0	124.0	Acme	SMI12000070	1935868	Rock	3.39	0.188	<2	0.5	773	13	<3	43	2	9	649	3.99	8	3	35	<0.5	<3	<3	57	1.86	0.12	8	3	0.96	117	0.001	<20	1.38	0.04	0.29	<2	<5	<1	7	1.48	<5	24-Jul-12
CA1204	Drill Core	124.0	126.0	Acme	SMI12000070	1935869	Rock	3.62	0.811	<2	3.6	1981	13	7	35	3	15	821	6.16	19	<2	36	<0.5	<3	3	28	2.48	0.13	6	2	0.76	23	0.002	<20	1.31	0.02	0.37	<2	<5	<1	<5	4.90	<5	24-Jul-12
CA1204	Drill Core	126.0	128.0	Acme	SMI12000070	1935870	Rock	3.72	0.331	<2	1.5	1237	11	4	37	2	9	771	4.22	5	2	39	<0.5	<3	3	39	2.44	0.11	7	2	0.7	82	0.002	<20	1.23	0.02	0.35	<2	<5	<1	<5	1.80	<5	24-Jul-12
CA1204	Drill Core	128.0	130.0	Acme	SMI12000070	1935871	Rock	2.72	0.315	<2	0.5	620	9	4	26	2	10	868	4.76	10	3	39	<0.5	<3	<3	22	2.85	0.11	6	1	0.51	47	0.001	<20	1.01	0.02	0.36	<2	<5	<1	<5	3.59	<5	24-Jul-12
CA1204	Drill Core	130.0	132.0	Acme	SMI12000070	1935872	Rock	3.91	0.626	<2	2.2	716	12	5	13	2	11	636	7.32	29	3	34	<0.5	<3	4	10	2.14	0.09	4	1	0.2	10	<0.001	<20	0.6	0.01	0.35	<2	<5	<1	<5	7.21	<5	24-Jul-12
CA1204	Drill Core	132.0	134.0	Acme	SMI12000070	1935873	Rock	4.38	0.675	<2	0.9	954	19	6	7	2	11	272	10.59	39	3	17	<0.5	<3	7	7	1.01	0.10	3	<1	0.06	17	0.001	<20	0.45	0.01	0.34	<2	<5	<1	<5	>10.00	<5	24-Jul-12
CA1203	Drill Core	98.0	100.0	Acme	SMI12000070	1935772	PD	4.00	0.007	<2	<0.3	4	1	<3	100	3	7	1387	4.17	4	<2	43	<0.5	<3	<3	83	2.53	0.15	9	9	1.84	161	0.049	<20	2.55	0.06	0.26	<2	<5	<1	7	0.24	6	24-Jul-12
CA1203	Drill Core	98.0	100.0	Acme	SMI12000070	1935772	REP		0.009																																			24-Jul-12
CA1204	Drill Core	58.0	60.0	Acme	SMI12000070	1935835	PD	2.94	0.308	<2	2.3	1068	162	4	30	2	12	1034	3.48	19	2	48	<0.5	<3	9	18	2.83	0.12	6	2	0.39	47	<0.001	<20	1.02	0.02	0.47	<2	<5	<1	<5	2.65	<5	24-Jul-12
CA1204	Drill Core	58.0	60.0	Acme	SMI12000070	1935835	REP		0.310																																			24-Jul-12
CA1204	Drill Core	102.0	104.0	Acme	SMI12000070	1935858	PD	3.68	0.326	<2	<0.3	1037	18	<3	38	2	8	819	4.86	7	<2	36	<0.5	<3	<3	50	2.04	0.11	5	5	0.78	123	0.001	<20	1.25	0.03	0.34	<2	<5	<1	<5	1.61	<5	24-Jul-12
CA1204	Drill Core	102.0	104.0	Acme	SMI12000070	1935858	REP		0.339																																			24-Jul-12
CA1204	Drill Core	90.0	92.0	Acme	SMI12000070	1935852	PD	3.08	0.300	<2	0.9	1053	12	<3	41	2	6	668	4.63	5	3	26	<0.5	<3	<3	51	1.21	0.09	10	4	0.87	153	0.002	<20	1.3	0.03	0.32	<2	<5	<1	<5	1.77	<5	24-Jul-12
CA1204	Drill Core	90.0	92.0	Acme	SMI12000070	1935852	REP			<2	0.7	1040	12	<3	44	2	7	665	4.58	4	3	25	<0.5	<3	<3	52	1.24	0.10	10	5	0.86	96	0.002	<20	1.3	0.03	0.32	<2	<5	<1	<5	1.73	<5	24-Jul-12
CA1203	Drill Core	156.0	158.0	Acme	SMI12000070	1935803	PD	4.41	<0.005	<2	<0.3	21	1	9	174	47	32	2252	6.49	4	<2	84	0.6	<3	5	167	4.55	0.11	11	138	3.16	127	0.204	<20	3.75	0.04	0.16	<2	<5	<1	16	0.12	13	24-Jul-12
CA1203	Drill Core	156.0	158.0	Acme	SMI12000070	1935803	REP			<2	<0.3	20	<1	5	175	47	32	2310	6.68	4	<2	87	0.5	<3	<3	169	4.67	0.11	11	138	3.24	130	0.215	<20	3.83	0.04	0.17	<2	<5	<1	13	0.12	13	24-Jul-12
CA1203	Drill Core	96.0	98.0	Acme	SMI12000070	1935771	PD	4.19	0.035	<2	<0.3	24	1	3	72	2	11	1050	3.88	15	<2	36	<0.5	<3	<3	87	2.35	0.16	5	2	1.4	89	0.061	<20	1.77	0.06	0.23	<2	<5	<1	<5	2.06	7	24-Jul-12
CA1203	Drill Core	96.0	98.0	Acme	SMI12000070	1935771	REP			<2	<0.3	24	1	3	72	2	11	1057	3.87	13	<2	36	<0.5	<3	<3	86	2.35	0.16	5	2	1.41	85	0.059	<20	1.78	0.06	0.23	<2	<5	<1	<5	2.05	7	24-Jul-12
CA1203	Drill Core	14.0	16.0	Acme	SMI12000070	1935729	PD	1.30	0.084	<2	<0.3	131	6	<3	88	3	8	1249	3.81	6	<2	34	<0.5	<3	<3	75	2.23	0.15	8	5	1.24	360	0.002	<20	1.93	0.04	0.34	<2	<5	<1	6	0.53	<5	24-Jul-12
CA1203	Drill Core	14.0	16.0	Acme	SMI12000070	1935729	REP			<2	<0.3	127	7	<3	86	3	8	1227	3.70	6	<2	34	<0.5	<3	<3	73	2.19	0.14	8	5	1.21	443	0.002	<20	1.9	0.04	0.34	<2	<5	<1	6	0.51	<5	24-Jul-12
CA1203	Drill Core	56.0	58.0	Acme	SMI12000070	1935751	PREP	3.40	0.102	<2	<0.3	76	7	<3	59	2	8	1039	2.86	3	<2	49	<0.5	<3	<3	36	3.61	0.11	11	2	0.62	39	0.002	<20	1.1	0.04	0.36	<2	<5	<1	<5	1.95	<5	24-Jul-12
CA1203	Drill Core	56.0	58.0	Acme	SMI12000070	1935751	DUP	<0.01	0.097	<2	<0.3	81	7	3	59	2	8	1008	2.81	<2	<2	47	<0.5	<3	3	35	3.49	0.11	11	3	0.61	40	0.002	<20	1.03	0.04	0.33	<2	<5	<1	<5	1.84	<5	24-Jul-12
CA1203	Drill Core	122.0	124.0	Acme	SMI12000070	1935785	PREP	4.86	0.037	<2	0.3	7	1	3	77	2	15	1272	5.06	20	<2	41	<0.5	<3	<3	56	2.79	0.16	6	1	1.09	45	0.002	<20	1.74	0.03	0.34	<2	<5	<1	<5	3.11	6	24-Jul-12
CA1203	Drill Core	122.0	124.0	Acme	SMI12000070	1935785	DUP	<0.01	0.037	<2	0.3	6	1	4	78	2	16	1298	5.22	21	<2	42	0.5	<3	<3	57	2.87	0.16	6	2	1.11	46	0.002	<20	1.74	0.03	0.34	<2	<5	<1	<5	3.32	7	24-Jul-12
CA1204	Drill Core	28.0	30.0	Acme	SMI12000070	1935819	PREP	3.47	0.186	<2	0.5	1532	49	<3	29	1	10	1126	3.42	9	2	31	<0.5	<3	4	19	2.13	0.10	8	1	0.52	281	0.001	<20	1.23	<0.01	0.44	<2	<5	<1	<5	1.18	<5	24-Jul-12
CA1204	Drill Core	28.0	30.0	Acme	SMI12000070	1935819	DUP	<0.01	0.185	<2	0.5	1578	50	5	30	2	10	1149	3.51	9	3	31	<0.5	<3	<3	19	2.19	0.10	8	3	0.54	282	0.001	<20	1.2	<0.01	0.43	<2	<5	<1	<5	1.23	<5	24-Jul-12
CA1204	Drill Core	92.0	94.0	Acme	SMI12000070	1935853	PREP	2.80	0.202	<2	0.7	719	12	<3	32	2	7	918	4.15	5	2	33	<0.5	<3	<3	35	2.01	0.10	6	3	0.72	82	0.002	<20	1.13	0.03	0.34	<2	<5	<1	<5	1.98	<5	24-Jul-12
CA1204	Drill Core	92.0	94.0	Acme	SMI12000070	1935853	DUP		0.208	<2	0.7	737	11	5	33	2	8	876	4.33	9	<2	31	<0.5	<3	<3	37	1.91	0.10	6	3	0.75	75	0.002	<20	1.19	0.03	0.34	<2	<5	<1	8	2.00	<5	24-Jul-12
CA1204	Drill Core	134.0	136.0	Acme	SMI12000082	1935874	Drill Core	1.92	0.394	<2	0.9	1211	8	7	13	3	8	784	4.02	12	<2	36	0.5	<3	<3	13	3.18	0.13	8	3	0.28	56	<0.001	<20	0.81	<0.01	0.36	<2	<5	<1	<5	3.49	<5	30-Jul-12
CA1204	Dup			Acme	SMI12000082	1935875	Drill Core	1.80	0.527	<2	1	1112	9	5	12	3	8	771	4.29	15	2	37	<0.5	<3	<3	13	3.15	0.12	7	3	0.24	78	<0.001	<20	0.76	<0.01	0.38	<2	<5	<1	<5	4.15	<5	30-Jul-12
CA1204	Drill Core	136.0	138.0	Acme	SMI12000082	1935876	Drill Core	3.64	0.347	<2	1.2	994	12	6	17	4	14	1269	3.59	21	<2	71	<0.5	<3	<3	11	4.5	0.11	10	4	0.38	70	<0.001	<20	0.85	0.01	0.38	<2	<5	<1	<5	3.15	<5	30-Jul-12
CA1204	Drill Core	138.0	140.0	Acme	SMI12000082	1935877	Drill Core	2.82	0.190	<2	0.8	1124	17	7	32	2	8	779	3.02	13	3	44	<0.5	<3	<3	22	2.62	0.11	7	2	0.64	203	<0.001	<20	1.17	0.01	0.36	<2	<5	<1	<5	1.38	<5	30-Jul-12
CA1204	Drill Core	140.0	142.0	Acme	SMI12000082	1935878	Drill Core	2.28	0.478	<2	1.6	1116	30	11	34	4	16	994	6.23	26	3	42	0.7	<3	<3	25	2.6	0.10	7	3	0.72	73	0.001	<20	1.31	0.02	0.33	<2	<5	<1	<5	4.31	<5	30-Jul-12
CA1204	Drill Core	142.0	144.0	Acme	SMI12000082	1935879	Drill Core	4.25	0.768	<2	3.3	567	15	20	<1	7	16	479	12.45	69	<2	58	0.6	<3	<3	5	1.29	0.04	1	4	0.04	3	<0.001	<20	0.32	0.01	0.26	<2	<5	<1	<5	>10.00	<5	30-Jul-12
CA1204	Drill Core	144.0	146.0	Acme	SMI12000082	1935880	Drill Core	4.35	0.461	<2	3	949	29	5	10	2	9	621	5.53	47	<2	39	0.6	<3	<3	10	1.56	0.10	5	2	0.21	14	<0.001	<20	0.71	0.01	0.39	<2	<5	<1	<5	5.35	<5	30-Jul-12
CA1204	Drill Core	146.0	148.0	Acme	SMI12000082	1935881	Drill Core	3.73	0.712	<2	3.3	613	17	15	18	8	13	610	9.53	28	<2	36	0.8	<3	4	17	1.79	0.09	3	2	0.28	6	<0.001	<20	0.69	0.02	0.32	<2	<5	<1	<5	8.80	<5	30-Jul-12
CA1204	Drill Core	148.0	150.0	Acme	SMI12000082	1935882	Drill Core	3.83	0.603	<2	2.2	1122	15	7	27	2	10	738	4.08	15	2	38	<0.5	<3	4	23	2.32	0.12	6	3	0.4	23	0.001	<20	0.9	0.02	0.39	<2	<5	<1	<5	3.13	<5	30-Jul-12
CA1204	Drill Core	150.0	152.0	Acme	SMI12000082	1935883	Drill Core	3.97	0.322	<2	1	1223	24	12	43	2	8	821	3.91	10	3	47	<0.5	<3	<3	36	2.52	0.12	7	3	0.77	151	0.001	<20	1.36	0.03	0.37	<2	<5	<1	5	1.36	<5	30-Jul-12
CA1204	Drill Core	152.0	154.0	Acme	SMI12000082	1935884	Drill Core	4.14	0.307	<2	1.2	702	17	13	15	2	13	2181	3.16	15	<2	93	<0.5	<3	<3	19	5.01	0.09	8	2	1.3	50	<0.001	<20	0.9	0.02	0.33	<2	<5	<1	<5	1.83	<5	30-Jul-12
CA1204	Drill Core	154.0	156.0	Acme	SMI12000082	1935885	Drill Core	3.95	0.234	<2	0.5	618	14	5	23	2	8	989	2.94	9	3	34	<0.5	<3	<3	17	2.67	0.11	8	2	0.91	66	<0.001	<20	1.32	0.02	0.37	<2	<5	<1	<5	1.46	<5	30-Jul-12
CA1204	Drill Core	156.0	158.0	Acme	SMI12000082	1935886	Drill Core	4.35	0.336	<2	1	955	9	9	45	5	11	1014	6.51	14	2	48	0.5	<3	<3	45	2.89	0.11	6	3	1.21	112	0.002	<20	1.69	0.03	0.33	<2	<5	<1	6	1.89	<5	30-Jul-12
CA1204	Drill Core	158.0	160.0	Acme	SMI12000082	1935887	Drill Core	2.81	0.980	<2	4.9	1552	11	9	55	2	8	813	4.70	5	3	42	<0.5	<3	17	53	2.17	0.12	8	3	0.97	54	0.001	<20	1.5	0.04	0.32	<2	<5	<1	6	2.15	<5	30-Jul-12

hole_id	Material	FROM	TO	Lab	Job	Sample	Type	Wgt	Au-fa	Au	Ag	Cu	Mo	Pb	Zn	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc	Date
CA1204	Drill Core	160.0	162.0	Acme	SMI12000082	1935888	Drill Core	4.02	0.214	<2	0.7	512	7	11	45	10	12	1525	4.54	9	<2	61	<0.5	<3	<3	40	4.1	0.16	11	12	1.3	172	0.002	<20	2.07	0.02	0.38	<2	<5	<1	7	1.54	<5	30-Jul-12
CA1204	Drill Core	162.0	164.0	Acme	SMI12000082	1935889	Drill Core	4.04	0.017	<2	<0.3	58	2	6	54	28	15	1646	4.34	14	<2	66	<0.5	<3	<3	52	4.68	0.20	19	33	1.63	116	0.002	<20	2.57	0.02	0.37	<2	<5	<1	8	0.11	6	30-Jul-12
CA1204	Drill Core	164.0	166.0	Acme	SMI12000082	1935890	Drill Core	4.06	0.029	<2	<0.3	198	3	18	99	30	24	1464	6.56	40	<2	60	0.6	<3	<3	138	3.86	0.25	13	45	2.76	68	0.003	<20	3.43	0.04	0.22	<2	<5	<1	13	0.41	8	30-Jul-12
CA1204	Drill Core	166.0	168.0	Acme	SMI12000082	1935891	Drill Core	4.20	0.005	<2	<0.3	54	1	13	70	9	18	1350	5.33	10	<2	66	<0.5	<3	<3	115	4.12	0.15	12	15	2.1	49	0.002	<20	2.92	0.03	0.35	<2	<5	<1	11	0.18	7	30-Jul-12
CA1204	Drill Core	168.0	170.0	Acme	SMI12000082	1935892	Drill Core	4.46	0.186	<2	1.1	162	2	8	24	5	10	1072	6.29	42	<2	51	<0.5	<3	<3	17	3.35	0.09	7	3	0.64	73	0.001	<20	1.25	0.02	0.36	<2	<5	<1	<5	5.43	<5	30-Jul-12
CA1204	Drill Core	170.0	172.0	Acme	SMI12000082	1935893	Drill Core	4.55	<0.005	<2	<0.3	56	2	8	39	15	9	1240	3.24	11	<2	69	<0.5	<3	<3	29	4	0.16	21	16	0.98	93	0.002	<20	2	0.04	0.40	<2	<5	<1	6	0.14	<5	30-Jul-12
CA1204	Drill Core	172.0	174.0	Acme	SMI12000082	1935894	Drill Core	4.14	<0.005	<2	<0.3	127	1	9	70	9	18	1202	4.81	3	<2	69	0.6	<3	<3	131	4.26	0.11	10	25	2.43	66	0.056	<20	2.81	0.03	0.31	<2	<5	<1	9	<0.05	11	30-Jul-12
CA1204	Drill Core	174.0	176.0	Acme	SMI12000082	1935895	Drill Core	4.70	<0.005	<2	<0.3	5	<1	13	83	9	20	1590	4.84	3	<2	83	0.6	<3	<3	137	4.46	0.11	11	26	2.63	346	0.002	<20	2.95	0.03	0.29	3	<5	<1	12	<0.05	11	30-Jul-12
CA1204	Drill Core	176.0	178.0	Acme	SMI12000082	1935896	Drill Core	3.98	<0.005	<2	<0.3	28	2	14	79	36	21	1393	4.95	6	<2	65	<0.5	<3	<3	111	4.12	0.23	20	52	2.43	94	0.003	<20	2.96	0.04	0.25	<2	<5	<1	13	0.05	9	30-Jul-12
CA1204	Drill Core	178.0	180.0	Acme	SMI12000082	1935897	Drill Core	4.29	<0.005	<2	<0.3	22	1	15	79	56	26	1240	5.18	6	<2	66	<0.5	<3	<3	118	3.94	0.18	14	88	3.48	130	0.003	<20	3.56	0.03	0.20	<2	<5	<1	14	<0.05	10	30-Jul-12
CA1204	Drill Core	180.0	182.0	Acme	SMI12000082	1935898	Drill Core	4.28	0.102	<2	<0.3	47	2	11	70	41	17	1146	5.97	7	<2	52	<0.5	<3	<3	118	2.91	0.22	18	62	3.11	55	0.003	<20	3.66	0.04	0.16	<2	<5	<1	15	<0.05	8	30-Jul-12
CA1204	Drill Core	182.0	184.0	Acme	SMI12000082	1935899	Drill Core	4.03	0.008	<2	<0.3	21	2	15	63	24	11	1607	4.58	8	<2	82	<0.5	<3	<3	65	4.45	0.17	22	37	2.16	144	0.003	<20	2.94	0.05	0.19	<2	<5	<1	12	0.05	6	30-Jul-12
CA1204	Std CDN CM-14			Acme	SMI12000082	1935900	Rock Pulp	0.07	0.747	<2	4.4	>10000	414	6	74	36	11	487	3.03	17	<2	43	0.8	<3	<3	55	0.84	0.06	6	48	0.67	130	0.108	<20	1.35	0.11	0.13	33	<5	<1	<5	0.85	<5	30-Jul-12
CA1204	Drill Core	184.0	186.0	Acme	SMI12000082	1935901	Drill Core	4.28	0.009	<2	<0.3	15	3	4	48	13	9	878	3.83	8	<2	36	<0.5	<3	<3	31	2.35	0.14	22	16	1.65	28	0.002	<20	2.34	0.05	0.28	<2	<5	<1	8	0.11	<5	30-Jul-12
CA1204	Drill Core	186.0	188.0	Acme	SMI12000082	1935902	Drill Core	4.29	0.092	<2	<0.3	171	34	17	51	14	15	920	6.65	11	<2	43	<0.5	<3	<3	88	2.4	0.19	11	18	2.28	39	0.002	<20	2.87	0.04	0.28	<2	<5	<1	12	2.45	7	30-Jul-12
CA1204	Drill Core	188.0	190.0	Acme	SMI12000082	1935903	Drill Core	4.35	<0.005	<2	<0.3	<1	1	7	57	<1	11	1023	5.83	4	<2	40	<0.5	<3	3	110	2.41	0.19	15	2	2.67	59	0.003	<20	3.3	0.04	0.20	<2	<5	<1	14	<0.05	9	30-Jul-12
CA1204	Drill Core	190.0	192.0	Acme	SMI12000082	1935904	Drill Core	3.06	0.166	<2	0.4	51	2	10	28	9	11	518	9.06	27	<2	40	<0.5	<3	<3	47	1.17	0.08	5	6	1	46	0.001	<20	1.59	0.03	0.30	<2	<5	<1	6	6.95	<5	30-Jul-12
CA1204	Drill Core	192.0	194.0	Acme	SMI12000082	1935905	Drill Core	4.14	0.336	<2	0.7	166	4	13	43	7	15	526	8.96	81	<2	40	<0.5	<3	<3	70	0.88	0.14	6	6	1.31	44	0.001	<20	2.07	0.03	0.32	<2	<5	<1	8	6.29	6	30-Jul-12
CA1204	Drill Core	194.0	196.0	Acme	SMI12000082	1935906	Drill Core	3.78	0.224	<2	0.7	76	3	19	70	7	11	1069	7.77	18	<2	57	<0.5	<3	5	88	2.25	0.18	8	2	2.22	140	0.002	<20	3.12	0.04	0.23	<2	<5	<1	13	2.77	7	30-Jul-12
CA1204	Drill Core	196.0	198.0	Acme	SMI12000082	1935907	Drill Core	3.78	0.311	<2	0.4	549	1	8	90	5	17	1291	6.16	18	2	68	<0.5	<3	<3	118	3.14	0.15	8	12	1.94	263	0.004	<20	2.61	0.03	0.25	<2	<5	<1	10	1.59	11	30-Jul-12
CA1204	Drill Core	198.0	200.0	Acme	SMI12000082	1935908	Drill Core	3.41	0.048	<2	<0.3	141	2	<3	81	3	11	1003	5.16	12	<2	39	<0.5	<3	4	74	2.7	0.19	11	7	1.53	120	0.004	<20	2.67	0.05	0.24	<2	<5	<1	12	0.50	7	30-Jul-12
CA1204	Drill Core	200.0	202.0	Acme	SMI12000082	1935909	Drill Core	3.90	0.198	<2	0.4	458	3	8	82	3	20	987	7.52	21	2	34	<0.5	<3	6	127	1.89	0.14	6	12	2.6	191	0.005	<20	3.18	0.03	0.26	<2	<5	<1	11	2.35	12	30-Jul-12
CA1204	Drill Core	202.0	204.0	Acme	SMI12000082	1935910	Drill Core	3.89	0.159	<2	<0.3	530	3	5	63	4	16	1172	6.10	13	2	50	<0.5	<3	10	123	3.1	0.15	8	13	2.02	243	0.005	<20	2.62	0.04	0.27	<2	<5	<1	11	1.47	11	30-Jul-12
CA1204	Drill Core	204.0	206.0	Acme	SMI12000082	1935911	Drill Core	3.90	0.942	<2	1.6	94	2	7	25	8	13	638	12.74	78	<2	37	<0.5	<3	7	39	1.7	0.09	5	12	0.88	21	0.001	<20	1.49	0.02	0.28	<2	<5	1	<5	9.92	<5	30-Jul-12
CA1204	Drill Core	206.0	208.0	Acme	SMI12000082	1935912	Drill Core	5.28	0.891	<2	1.9	63	2	14	4	3	10	300	20.93	139	3	16	<0.5	<3	7	5	1.03	0.06	2	<1	0.09	22	<0.001	<20	0.39	0.01	0.26	<2	<5	<1	<5	>10.00	<5	30-Jul-12
CA1204	Drill Core	208.0	210.0	Acme	SMI12000082	1935913	Drill Core	3.80	0.368	<2	0.5	259	2	6	34	2	13	683	10.09	46	<2	33	<0.5	<3	6	58	1.74	0.10	5	7	1.17	53	0.002	<20	1.77	0.02	0.30	<2	<5	<1	6	7.33	6	30-Jul-12
CA1204	Drill Core	210.0	212.0	Acme	SMI12000082	1935914	Drill Core	4.13	0.156	<2	0.4	683	2	<3	52	3	16	1369	5.43	12	<2	47	<0.5	<3	7	98	3.7	0.15	9	9	2.09	91	0.004	<20	2.88	0.04	0.32	<2	<5	<1	10	1.05	12	30-Jul-12
CA1204	Drill Core	212.0	214.0	Acme	SMI12000082	1935915	Drill Core	3.82	0.036	<2	<0.3	63	3	7	33	<1	6	948	4.51	6	2	35	<0.5	<3	<3	29	2.77	0.20	16	<1	1.3	84	0.004	<20	2.48	0.03	0.31	<2	<5	<1	9	0.29	<5	30-Jul-12
CA1204	Drill Core	214.0	216.0	Acme	SMI12000082	1935916	Drill Core	3.29	0.127	<2	0.5	183	5	<3	25	2	8	1277	3.21	13	3	71	<0.5	<3	<3	26	4.59	0.12	8	2	0.68	318	<0.001	<20	1.23	0.03	0.30	<2	<5	<1	<5	1.58	<5	30-Jul-12
CA1204	Drill Core	216.0	218.0	Acme	SMI12000082	1935917	Drill Core	2.65	0.128	<2	<0.3	186	3	7	34	2	6	831	3.41	7	3	42	<0.5	<3	4	32	2.95	0.12	7	2	0.79	242	<0.001	<20	1.37	0.03	0.27	<2	<5	<1	<5	1.32	<5	30-Jul-12
CA1204	Drill Core	218.0	220.0	Acme	SMI12000082	1935918	Drill Core	3.65	0.146	<2	0.5	337	4	5	28	<1	6	990	4.69	9	2	46	<0.5	<3	3	35	3.22	0.06	5	2	0.93	114	<0.001	<20	1.56	0.04	0.27	<2	<5	<1	6	2.82	<5	30-Jul-12
CA1204	Drill Core	220.0	222.0	Acme	SMI12000082	1935919	Drill Core	3.44	0.117	<2	<0.3	323	4	5	31	2	5	1017	4.19	10	3	44	<0.5	<3	3	50	2.75	0.07	6	3	1.13	229	0.001	<20	1.66	0.05	0.21	<2	<5	<1	9	1.90	5	30-Jul-12
CA1204	Drill Core	222.0	224.0	Acme	SMI12000082	1935920	Drill Core	4.27	0.137	<2	<0.3	249	9	7	24	<1	6	792	4.03	30	3	58	<0.5	<3	4	44	3.18	0.09	7	2	0.79	273	0.001	<20	1.61	0.05	0.30	<2	<5	<1	8	1.72	<5	30-Jul-12
CA1204	Drill Core	224.0	226.0	Acme	SMI12000082	1935921	Drill Core	4.27	0.092	<2	<0.3	209	2	9	49	18	21	856	5.11	52	<2	83	<0.5	<3	3	112	2.91	0.12	7	35	2.01	177	0.115	<20	2.78	0.14	0.25	<2	<5	<1	10	1.01	10	30-Jul-12
CA1204	Drill Core	226.0	228.0	Acme	SMI12000082	1935922	Drill Core	2.92	<0.005	<2	<0.3	19	<1	7	61	50	28	1231	4.81	4	<2	136	<0.5	<3	4	122	5.58	0.07	5	114	2.77	100	0.125	<20	3.62	0.19	0.21	<2	<5	<1	11	0.12	13	30-Jul-12
CA1204	Drill Core	228.0	230.0	Acme	SMI12000082	1935923	Drill Core	4.53	<0.005	<2	<0.3	17	<1	4	62	45	27	1275	4.67	5	<2	176	<0.5	<3	<3	124	5.33	0.07	5	91	2.6	45	0.165	<20	4.33	0.28	0.20	<2	<5	<1	11	0.15	12	30-Jul-12
CA1204	Drill Core	230.0	232.0	Acme	SMI12000082	1935924	Drill Core	3.85	<0.005	<2	<0.3	21	<1	6	63	46	26	1008	4.56	5	<2	229	<0.5	<3	3	124	4.39	0.07	4	76	2.62	50	0.215	<20	4.88	0.37	0.16	<2	<5	<1	11	0.10	9	30-Jul-12
CA1204	blank			Acme	SMI12000082	1935925	Rock	0.47	<0.005	<2	<0.3	<1	<1	<3	<1	<1	<1	25	0.05	<2	<2	5372	<0.5	<3	<3	1	35.5	0.01	<1	<1	1.45	7	0.002	<20	0.05	0.01	<0.01	<2	<5	<1	<5	0.07	<5	30-Jul-12
CA1204	Drill Core	232.0	234.0	Acme	SMI12000082	1935926	Drill Core	3.65	<0.005	<2	<0.3	13	<1	12	68	47	27	1574	4.79	4	<2	108	<0.5	<3	3	112	6.02	0.07	5	98	2.82	35	0.176	<20	3.58	0.14	0.20	<2	<5	<1	10	0.14	12	30-Jul-12
CA1204	Drill Core	234.0	236.0	Acme	SMI12000082	1935927	Drill Core	3.73	0.009	<2	<0.3	84	<1	7	63	35	26	1412	5.16	7	<2	108	<0.5	<3	<3	134	4.93	0.10	6	83	2.79	60	0.196	<20	3.49	0.14	0.18	<2	<5	<1	11	0.57	14	30-Jul-12
CA1204	Drill Core	236.0	238.0	Acme	SMI12000082	1935928	Drill Core	4.08	0.502	<2	0.9	476	2	11	28	2	10	742	6.22	105	3	41	<0.5	<3	12	18	3.26	0.12	6	2	0.46	103	0.001	<20	0.96	0.02	0.34	<2	<5	<1	<5	5.68	<5	30-Jul-12
CA1204	Drill Core	238.0	240.0	Acme	SMI12000082	1935929	Drill Core	3.24	0.118	<2	0.7	171	2	7	37	2	14	668	4.15	9	4	51	<0.5	<3	3	35	2.73	0.13	7	3	0.79	206	0.002	<20	1.29	0.02	0.35	<2	<5	<1	6	2.98	<5	30-Jul-12
CA1204	Drill Core	240.0	242.0	Acme	SMI12000082	1935930	Drill Core	3.88	0.109	<2	<0.3	389	1	5	38	1	24	657	4.67	13	4	83	<0.5	<3	7	40	2.53	0.13	9	3	0.94	76	0.001	<20	1.38	0.04	0.30	<2	<5	<1	6	3.75	<5	30-Jul-12
CA1204	Drill Core	242.0	244.0	Acme	SMI12000082	1935931	Drill Core	3.86	0.246	<2	1	440	5	<3	27	1	9	450	4.79	17	3	64	<0.5	<3	6	32	2.25	0.12	6	2	0.93	132	0.002	<20	1.26	0.04	0.31	<2	<5	1	6	4.74	<5	30-Jul-12
CA1204	Drill Core	244.0	246.0	Acme	SMI12000082	1935932	Drill Core	4.32	0.077	<2	1.3	180	4	5	43	<1	3	408	2.81	8	3	166	<0.5	<3	<3	18	2.74	0.08	4	2	0.52	136	0.001	<20	0.79	0.03	0.28	<2	<5	4	<5	3.57	<5	30-Jul-12
CA1204	Drill Core	246.0	248.0	Acme	SMI12000082	1935933	Drill Core	4.11	0.056	<2	0.4	171	2	<3	34	2	4	1039	2.97	14	2	120	<0.5	<3	<3	26	6.75	0.10	7	3	0.64	87	<0.001	<20	0.98	0.02	0.24	<2	<5	<1	<5	3.59	<5	30-Jul-12
CA1204	Drill Core	248.0	250.0	Acme	SMI12000082	1935934	Drill Core	3.60	0.046	<2	<0.3	73	4	<3	51	2	4	704	3.05	11	3	81	<0.5	<3	7	23	3.77	0.11	6	2	0.8	201	<0.001	<20	1.17	0.02	0.24	<2	<5	<1	<5	2.31	<5	30-Jul-12
CA1204	Drill Core	250.0	252.0	Acme	SMI12000082	1935935	Drill Core	2.94	0.136	<2	0.5	126	3	5	91	1	4	398	4.09	21	3	50	0.8	<3	6	27	1.94	0.13	5	3	0.72	150	0.002	<20	1	0.04	0.27	<2	<5	1	<5	3.87	<5	30-Jul-12
CA1204	Drill Core	252.0	254.0	Acme	SMI12000082	1935936	Drill Core	3.81	0.100	<2	<0.3	119	4	<3	44	2	8	625	3.74	6	2	72	<0.5	<3	3	62	2.45	0.13	8	6	1.38	161	0.021	<20	1.75	0.06	0.18	<2	<5	<1	7	1.61	<5	30-Jul-12
CA1204	Drill Core	254.0	256.0	Acme	SMI12000082	1935937	Drill Core	4.44	0.217	<2	0.7	102	3	5	23	2	5	461	5.00	36	3	115	<0.5	<3	4	33	2.56	0.11	5	4	0.84	89	0.003	<20	1.21	0.03	0.28	<2	<5	<1	6	5.00	<5	30-Jul-12
CA1204	Drill Core	256.0	258.0	Acme	SMI12000082	1935938	Drill Core	4.55	0.262	<2	1.1	199	4	12	18	1	5	315	7.65	70	3	89	<0.5	<3	3	18	1.73	0.11	3	2	0.71	57	0.002	<20	1.11	0.02	0.37	<2	<5	<1	<5	7.38	<5	30-Jul-12
CA1204	Drill Core	258.0	260.0	Acme	SMI12000082	1935939	Drill Core	4.18	0.348	<2	0.8	238	6	7	25	2	9	618	5.01	21	4	104	<0.5	<3	5	30	2.53	0.12	6	3	0.79	57	0.002	<20	1.33	0.03	0.38	<2	<5	1	5	4.29	<5	30-Jul-12
CA1204	Drill Core	260.0	262.0	Acme	SMI12000082	1935940	Drill Core	4.47	0.139	<2	0.4	202	5	5	34	2	8	587	4.97	14	3	105	<0.5	<3	<3	42	2.39	0.12	6	3	0.97	86	0.003	<20	1.48	0.03	0.34	<2	<5	<1	6	3.52	<5	30-Jul-12
CA1204	Drill Core	262.0	264.0	Acme	SMI12000082	1935941	Drill Core	4.42	0.064	<2	0.3	131	7	<3	34	2	8	671	3.81	8	3	147	<0.5	<3	3	49	2.84	0.12	7	2	0.92	89	0.004	<20	1.51	0.05	0.31	<2	<5	<1	7	1.87	<5	30-Jul-12
CA1204	Drill Core	264.0	266.0	Acme	SMI12000082	1935942	Drill Core	4.42	0.030	<2	<0.3	110	4	11	64	25	17	1003	4.81	16	<2	96	<0.5	<3	3	117	3.53	0.14	9	34	1.99	178	0.076	<20	2.67	0.14	0.22	<2	<5	<1	8	0.79	11	30-Jul-12
CA1204	Drill Core	266.0	268.0	Acme	SMI12000082	1935943	Drill Core	3.89	<0.005	<2	<0.3	45	<1	14	81	44	22	1177	5.17	7	<2	107	<0.5	<3	<3	132	4.24	0.14	11	55	2.67	238	0.088	<20	3.28	0.15	0.14	<2	<5	<1	10	0.10	12	30-Jul-12
CA1204	Drill Core	268.0	270.0	Acme	SMI12000082	1935944	Drill Core	3.87	0.006	<2	<0.3	32	1	13	74	43	22	1066	5.20	12	<2	102	<0.5	<3	<3	156	3.25	0.15	11	54	2.61	147	0.113	<20	3.26	0.23	0.10	<2	<5	<1	9	0.07	14	30-Jul-12

hole_id	Material	FROM	TO	Lab	Job	Sample	Type	Wgt	Au-fa	Au	Ag	Cu	Mo	Pb	Zn	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc	Date
CA1204	Drill Core	270.0	272.0	Acme	SMI12000082	1935945	Drill Core	5.07	0.056	<2	<0.3	107	10	10	47	10	15	650	4.49	12	2	119	<0.5	<3	<3	76	2.25	0.12	7	14	1.45	126	0.015	<20	2	0.09	0.25	<2	<5	<1	8	2.10	6	30-Jul-12
CA1204	Drill Core	272.0	274.0	Acme	SMI12000082	1935946	Drill Core	3.54	0.155	<2	1.6	216	19	9	34	2	13	546	4.59	11	3	109	<0.5	<3	<3	37	2.1	0.12	5	3	0.85	31	0.003	<20	1.31	0.04	0.31	<2	<5	<1	<5	4.41	<5	30-Jul-12
CA1204	Drill Core	274.0	276.0	Acme	SMI12000082	1935947	Drill Core	4.51	0.109	<2	<0.3	179	21	<3	31	2	9	496	4.77	7	3	98	<0.5	<3	<3	35	1.85	0.11	4	4	1.14	77	0.002	<20	1.51	0.04	0.31	<2	<5	<1	6	4.84	<5	30-Jul-12
CA1204	Drill Core	276.0	278.0	Acme	SMI12000082	1935948	Drill Core	4.48	0.057	<2	<0.3	132	3	11	34	1	5	497	3.94	8	<2	146	<0.5	<3	<3	79	3.34	0.12	4	11	1.21	61	0.002	<20	1.33	0.03	0.23	<2	<5	<1	6	5.56	5	30-Jul-12
CA1204	Drill Core	278.0	280.0	Acme	SMI12000082	1935949	Drill Core	4.35	0.078	<2	<0.3	191	2	4	48	2	5	603	3.91	7	<2	187	<0.5	<3	<3	87	3.41	0.15	4	16	1.54	60	0.003	<20	1.64	0.04	0.19	<2	<5	<1	7	4.73	7	30-Jul-12
CA1204	Std CDN CM-21			Acme	SMI12000082	1935950	Rock Pulp	0.08	0.467	<2	1.1	5380	325	5	48	26	11	429	3.06	7	<2	38	0.5	<3	<3	56	0.79	0.06	4	28	0.69	114	0.110	<20	1.42	0.10	0.14	18	<5	<1	<5	0.67	<5	30-Jul-12
CA1204	Drill Core	280.0	282.0	Acme	SMI12000082	1935951	Drill Core	4.66	0.326	<2	1	493	6	14	48	3	11	599	5.69	16	<2	176	<0.5	<3	4	39	2.61	0.13	4	6	0.97	18	0.001	<20	1.37	0.02	0.34	<2	<5	<1	5	5.84	<5	30-Jul-12
CA1204	Drill Core	282.0	284.0	Acme	SMI12000082	1935952	Drill Core	4.57	0.232	<2	1.1	340	4	12	64	5	12	1138	5.89	15	<2	174	<0.5	<3	<3	61	3.93	0.14	5	9	1.56	23	0.002	<20	1.96	0.02	0.34	<2	<5	<1	7	4.66	6	30-Jul-12
CA1204	Drill Core	284.0	286.0	Acme	SMI12000082	1935953	Drill Core	4.68	0.315	<2	0.8	539	69	11	28	3	12	624	5.22	15	<2	148	<0.5	<3	<3	16	2.87	0.11	5	2	0.67	27	<0.001	<20	0.95	0.02	0.35	<2	<5	<1	<5	5.52	<5	30-Jul-12
CA1204	Drill Core	286.0	288.0	Acme	SMI12000082	1935954	Drill Core	4.27	0.187	<2	<0.3	304	10	14	15	4	14	272	4.66	9	<2	309	<0.5	<3	<3	13	3.48	0.12	3	4	0.56	17	0.001	<20	0.87	0.02	0.38	2	<5	<1	<5	6.94	<5	30-Jul-12
CA1204	Drill Core	288.0	290.0	Acme	SMI12000082	1935955	Drill Core	4.72	0.603	<2	<0.3	394	7	10	36	5	13	254	4.97	9	<2	242	<0.5	<3	<3	29	2.67	0.11	2	3	1.32	14	0.002	<20	1.4	0.02	0.30	<2	<5	<1	<5	6.43	<5	30-Jul-12
CA1204	Drill Core	290.0	292.0	Acme	SMI12000082	1935956	Drill Core	4.42	0.223	<2	<0.3	265	6	8	67	6	13	687	5.37	7	<2	155	<0.5	<3	<3	78	2.84	0.15	7	9	1.9	47	0.003	<20	2.64	0.04	0.34	<2	<5	<1	9	2.71	6	30-Jul-12
CA1204	Drill Core	292.0	294.0	Acme	SMI12000082	1935957	Drill Core	3.48	0.161	<2	0.6	298	3	13	66	30	23	1320	6.53	12	<2	97	<0.5	<3	<3	71	4.08	0.11	4	35	1.95	76	0.001	<20	2.27	0.02	0.27	<2	<5	<1	8	4.52	8	30-Jul-12
CA1204	Drill Core	294.0	296.0	Acme	SMI12000082	1935958	Drill Core	3.11	0.180	<2	1.9	206	5	14	65	6	17	1312	6.80	26	<2	76	<0.5	<3	<3	26	3.07	0.10	4	3	0.68	14	<0.001	<20	1.21	0.03	0.37	<2	<5	<1	<5	6.87	<5	30-Jul-12
CA1204	Drill Core	296.0	298.0	Acme	SMI12000082	1935959	Drill Core	2.64	0.044	<2	1	498	<1	15	123	5	23	2367	5.47	29	<2	69	<0.5	<3	<3	72	3.69	0.13	6	3	1.78	58	0.001	<20	2.15	0.03	0.31	<2	<5	<1	6	4.27	9	30-Jul-12
CA1204	Drill Core	298.0	300.0	Acme	SMI12000082	1935960	Drill Core	3.04	0.027	<2	0.6	112	1	10	86	4	16	2157	4.90	19	<2	88	<0.5	<3	<3	69	4.58	0.16	10	6	1.68	82	0.003	<20	2.47	0.03	0.40	<2	<5	<1	8	2.29	8	30-Jul-12
CA1204	Drill Core	300.0	302.0	Acme	SMI12000082	1935961	Drill Core	4.09	0.012	<2	0.5	70	1	12	110	4	17	2318	4.43	16	<2	94	<0.5	<3	<3	59	3.94	0.13	7	3	1.45	201	0.002	<20	2.2	0.03	0.31	<2	<5	<1	7	1.81	6	30-Jul-12
CA1204	Drill Core	302.0	304.0	Acme	SMI12000082	1935962	Drill Core	3.55	0.012	<2	<0.3	13	1	<3	46	3	11	1434	3.23	7	<2	124	<0.5	<3	<3	34	3.94	0.12	11	4	0.81	480	0.001	<20	1.65	0.03	0.41	<2	<5	<1	<5	0.59	<5	30-Jul-12
CA1204	Drill Core	304.0	306.0	Acme	SMI12000082	1935963	Drill Core	3.05	<0.005	<2	<0.3	7	<1	<3	38	2	10	1266	3.18	2	<2	182	<0.5	<3	<3	37	3.65	0.14	13	2	1	1096	0.002	<20	1.48	0.04	0.32	<2	<5	<1	5	<0.05	5	30-Jul-12
CA1204	Drill Core	306.0	308.0	Acme	SMI12000082	1935964	Drill Core	2.72	<0.005	<2	<0.3	7	<1	5	32	2	9	1032	3.24	3	<2	364	<0.5	<3	<3	40	2.93	0.14	12	3	1.07	2833	0.002	<20	1.47	0.05	0.35	<2	<5	<1	<5	0.09	6	30-Jul-12
CA1204	Drill Core	308.0	310.0	Acme	SMI12000082	1935965	Drill Core	4.72	<0.005	<2	<0.3	8	<1	7	22	2	8	1531	2.93	<2	<2	403	<0.5	<3	<3	29	4.28	0.14	13	3	1.04	2844	0.001	<20	1.13	0.04	0.35	<2	<5	<1	<5	0.09	6	30-Jul-12
CA1204	Drill Core	310.0	312.0	Acme	SMI12000082	1935966	Drill Core	4.76	0.007	<2	<0.3	22	1	6	15	2	10	1618	2.54	7	<2	167	<0.5	<3	<3	29	4.95	0.18	13	2	0.51	952	0.001	<20	1.29	0.03	0.46	<2	<5	<1	<5	0.13	6	30-Jul-12
CA1204	Drill Core	312.0	314.0	Acme	SMI12000082	1935967	Drill Core	3.36	0.005	<2	<0.3	10	<1	<3	13	2	11	2501	2.59	7	<2	236	<0.5	<3	<3	21	6	0.15	13	<1	0.49	1801	<0.001	<20	1.1	0.02	0.37	<2	<5	<1	<5	0.21	<5	30-Jul-12
CA1204	Drill Core	314.0	316.0	Acme	SMI12000082	1935968	Drill Core	3.67	0.006	<2	<0.3	9	<1	8	37	3	18	1713	4.08	7	<2	184	<0.5	<3	<3	53	4.54	0.13	7	2	1.77	1185	0.003	<20	2.28	0.03	0.29	<2	<5	<1	7	0.24	9	30-Jul-12
CA1204	Drill Core	316.0	318.0	Acme	SMI12000082	1935969	Drill Core	4.60	0.008	<2	<0.3	67	3	8	31	5	21	1557	4.02	20	<2	95	<0.5	<3	<3	67	4.82	0.13	6	3	1.59	142	0.003	<20	2.19	0.04	0.27	<2	<5	<1	7	0.62	12	30-Jul-12
CA1204	Drill Core	318.0	320.0	Acme	SMI12000082	1935970	Drill Core	3.85	<0.005	<2	<0.3	163	2	16	42	6	22	1400	5.46	10	<2	89	<0.5	<3	<3	117	4.53	0.14	6	6	2.01	324	0.003	<20	2.92	0.05	0.29	<2	<5	<1	10	0.51	14	30-Jul-12
CA1204	Drill Core	320.0	322.0	Acme	SMI12000082	1935971	Drill Core	3.89	<0.005	<2	<0.3	195	1	8	70	11	20	1098	5.23	<2	<2	87	<0.5	<3	<3	130	3.63	0.15	10	16	1.98	511	0.005	<20	2.49	0.07	0.17	<2	<5	<1	10	<0.05	12	30-Jul-12
CA1204	Drill Core	322.0	324.0	Acme	SMI12000082	1935972	Drill Core	4.22	<0.005	<2	<0.3	18	3	6	91	15	19	1290	4.83	2	<2	137	<0.5	<3	<3	119	3.23	0.15	14	27	2.18	1255	0.008	<20	2.66	0.10	0.12	<2	<5	<1	13	<0.05	9	30-Jul-12
CA1204	Drill Core	324.0	326.0	Acme	SMI12000082	1935973	Drill Core	4.25	<0.005	<2	<0.3	118	1	8	84	9	22	1368	5.19	<2	<2	113	<0.5	<3	<3	148	3.47	0.15	9	14	1.92	813	0.020	<20	2.48	0.08	0.16	<2	<5	<1	10	<0.05	15	30-Jul-12
CA1204	Drill Core	326.0	327.4	Acme	SMI12000082	1935974	Drill Core	1.09	<0.005	<2	<0.3	256	<1	10	86	6	26	1276	6.17	16	<2	81	<0.5	<3	<3	148	2.87	0.14	5	3	2.1	452	0.004	<20	3.01	0.07	0.27	<2	<5	<1	10	0.79	14	30-Jul-12
CA1204	Duplicate			Acme	SMI12000082	1935975	Drill Core	1.09	<0.005	<2	<0.3	237	<1	11	84	7	27	1261	6.10	20	<2	75	<0.5	<3	<3	143	2.86	0.15	5	3	2.06	353	0.004	<20	2.9	0.06	0.22	<2	<5	<1	10	0.90	13	30-Jul-12
CA1205	Drill Core	6.1	8.0	Acme	SMI12000082	1935976	Drill Core	3.92	0.072	<2	0.5	403	1	8	143	9	29	1638	6.88	27	<2	10	<0.5	<3	<3	124	0.48	0.14	3	3	2.22	51	0.002	<20	2.24	0.02	0.30	<2	<5	<1	6	6.10	13	30-Jul-12
CA1205	Drill Core	8.0	10.0	Acme	SMI12000082	1935977	Drill Core	4.06	0.033	<2	0.6	166	<1	7	93	5	24	1159	6.96	12	<2	30	<0.5	<3	5	95	0.39	0.12	3	2	1.76	75	<0.001	<20	1.73	0.03	0.28	<2	<5	<1	<5	5.47	10	30-Jul-12
CA1205	Drill Core	10.0	12.0	Acme	SMI12000082	1935978	Drill Core	3.98	0.011	<2	<0.3	262	1	6	67	4	15	1239	4.67	11	<2	59	<0.5	<3	<3	60	1.69	0.16	9	5	1.1	229	<0.001	<20	1.89	0.04	0.31	<2	<5	<1	7	0.58	7	30-Jul-12
CA1205	Drill Core	12.0	14.0	Acme	SMI12000082	1935979	Drill Core	3.86	0.218	<2	0.3	262	2	3	36	4	14	1219	4.58	11	<2	53	<0.5	<3	4	43	3.22	0.13	8	5	0.86	79	0.001	<20	1.64	0.02	0.32	<2	<5	<1	6	2.44	5	30-Jul-12
CA1205	Drill Core	14.0	16.0	Acme	SMI12000082	1935980	Drill Core	3.36	0.115	<2	0.4	133	2	8	49	10	14	909	4.90	16	<2	49	<0.5	<3	4	35	2.76	0.12	8	11	0.95	97	0.002	<20	1.85	0.03	0.32	<2	<5	<1	6	2.59	<5	30-Jul-12
CA1205	Drill Core	16.0	18.0	Acme	SMI12000082	1935981	Drill Core	4.15	<0.005	<2	<0.3	50	2	6	36	2	8	819	2.18	4	4	65	<0.5	<3	<3	19	3.3	0.08	18	3	0.75	591	0.001	<20	1.49	0.03	0.29	<2	<5	<1	<5	0.11	<5	30-Jul-12
CA1205	Drill Core	18.0	20.0	Acme	SMI12000082	1935982	Drill Core	3.46	0.073	<2	<0.3	398	5	5	38	4	9	395	3.86	9	2	33	<0.5	<3	5	24	0.93	0.10	8	3	0.58	167	<0.001	<20	1.18	0.04	0.35	<2	<5	<1	<5	1.75	<5	30-Jul-12
CA1205	Drill Core	20.0	22.0	Acme	SMI12000082	1935983	Drill Core	4.61	0.192	<2	0.7	580	14	8	23	4	12	523	4.41	10	3	37	<0.5	<3	4	17	0.98	0.09	6	3	0.35	100	<0.001	<20	0.95	0.04	0.43	<2	<5	<1	<5	2.72	<5	30-Jul-12
CA1205	Drill Core	22.0	24.0	Acme	SMI12000082	1935984	Drill Core	4.09	0.161	<2	0.5	416	11	6	37	6	10	745	4.16	17	3	43	<0.5	<3	3	19	2.11	0.10	7	4	0.68	201	0.001	<20	1.4	0.02	0.31	<2	<5	<1	<5	2.29	<5	30-Jul-12
CA1205	Drill Core	24.0	26.0	Acme	SMI12000082	1935985	Drill Core	3.60	0.196	<2	1.1	477	8	8	27	7	16	758	5.93	37	2	43	<0.5	<3	7	25	2.43	0.13	7	4	0.55	27	0.001	<20	1.26	0.02	0.39	<2	<5	<1	<5	4.70	<5	30-Jul-12
CA1205	Drill Core	26.0	28.0	Acme	SMI12000082	1935986	Drill Core	3.42	0.443	<2	2.5	418	26	<3	8	4	14	355	6.15	14	2	25	<0.5	<3	10	7	1.26	0.11	5	1	0.16	62	<0.001	<20	0.58	0.02	0.32	<2	<5	2	<5	5.90	<5	30-Jul-12
CA1205	Drill Core	28.0	30.0	Acme	SMI12000082	1935987	Drill Core	3.89	0.564	<2	1.4	262	19	6	13	3	12	481	4.39	10	2	35	<0.5	<3	6	10	1.72	0.12	7	2	0.25	79	<0.001	<20	0.78	0.03	0.37	<2	<5	<1	<5	3.79	<5	30-Jul-12
CA1205	Drill Core	30.0	32.0	Acme	SMI12000082	1935988	Drill Core	3.75	0.114	<2	<0.3	547	20	5	38	3	8	706	3.82	9	3	30	<0.5	<3	4	29	1.92	0.12	9	2	0.87	220	<0.001	<20	1.59	0.02	0.32	<2	<5	<1	<5	1.70	<5	30-Jul-12
CA1205	Drill Core	32.0	34.0	Acme	SMI12000082	1935989	Drill Core	4.82	1.421	<2	3.9	610	27	6	12	3	12	1009	6.34	34	<2	54	<0.5	<3	15	11	3.63	0.09	6	3	0.32	15	<0.001	<20	0.74	0.02	0.32	<2	<5	<1	<5	6.13	<5	30-Jul-12
CA1205	Drill Core	34.0	36.0	Acme	SMI12000082	1935990	Drill Core	2.61	0.131	<2	0.8	412	16	3	36	3	9	655	4.39	4	3	24	<0.5	<3	<3	35	1.59	0.12	6	2	0.95	60	0.001	<20	1.46	0.03	0.31	<2	<5	<1	6	2.95	<5	30-Jul-12
CA1205	Drill Core	36.0	38.0	Acme	SMI12000082	1935991	Drill Core	3.36	0.086	<2	0.5	264	11	<3	33	2	10	685	4.55	3	3	25	<0.5	<3	5	39	1.58	0.12	7	3	0.86	59	0.001	<20	1.37	0.04	0.33	<2	<5	<1	5	3.46	<5	30-Jul-12
CA1205	Drill Core	38.0	40.0	Acme	SMI12000082	1935992	Drill Core	3.76	0.258	<2	1	1028	16	<3	18	2	10	522	6.26	2	3	18	<0.5	<3	8	19	1.12	0.12	6	2	0.4	34	0.001	<20	0.95	0.02	0.37	<2	<5	<1	<5	5.51	<5	30-Jul-12
CA1205	Drill Core	40.0	42.0	Acme	SMI12000082	1935993	Drill Core	3.29	0.195	<2	0.5	476	10	4	7	2	11	324	3.95	7	5	24	<0.5	<3	4	10	1.04	0.11	7	2	0.18	60	<0.001	<20	0.63	0.02	0.37	<2	<5	<1	<5	3.49	<5	30-Jul-12
CA1205	Drill Core	42.0	44.0	Acme	SMI12000082	1935994	Drill Core	4.39	0.045	<2	<0.3	254	6	3	11	2	5	648	1.81	14	7	44	<0.5	<3	<3	7	2.36	0.05	9	2	0.21	275	<0.001	<20	0.7	0.01	0.32	<2	<5	<1	<5	1.02	<5	30-Jul-12
CA1205	Drill Core	44.0	46.0	Acme	SMI12000082	1935995	Drill Core	4.36	0.099	<2	<0.3	503	10	6	18	2	5	711	2.15	9	7	40	<0.5	<3	<3	14	2.38	0.06	11	3	0.37	576	<0.001	<20	0.96	0.02	0.35	<2	<5	<1	<5	0.84	<5	30-Jul-12
CA1205	Drill Core	46.0	48.0	Acme	SMI12000082	1935996	Drill Core	3.46	<0.005	<2	<0.3	3	<1	<3	<1	1	<1	526	0.21	3	10	41	<0.5	<3	<3	<1	2.1	0.01	21	2	0.02	284	<0.001	<20	0.31	0.02	0.28	<2	<5	<1	<5	<0.05	<5	30-Jul-12
CA1205	Drill Core	48.0	50.0	Acme	SMI12000082	1935997	Drill Core	3.81	0.006	<2	<0.3	7	1	6	<1	<1	1	725	0.27	6	11	45	<0.5	<3	<3	<1	3.01	0.01	24	2	0.03	237	<0.001	<20	0.35	0.02	0.28	<2	<5	<1	<5	<0.05	<5	30-Jul-12
CA1205	Drill Core	50.0	52.0	Acme	SMI12000082	1935998	Drill Core	4.47	<0.005	<2	<0.3	15	<1	<3	<1	<1	<1	493	0.22	5	11	27	<0.5	<3	<3	<1	2	0.01	21	2	0.02	79	<0.001	<20	0.33	0.01	0.31	<2	<5	<1	<5	<0.05	<5	30-Jul-12
CA1205	Drill Core	52.0	54.0	Acme	SMI12000082	1935999	Drill Core	3.70	0.008	<2	<0.3	42	<1	<3	<1	<1	<1	492	0.28	7	12	30	<0.5	<3	5	<1	2.06	0.01	23	3	0.03	59	<0.001	<20	0.35	0.01	0.31	<2	<5	<1	<5	<0.05	<5	30-Jul-12
CA1205	Std CDN CM-22			Acme	SMI12000082	1936000	Rock Pulp	0.04	0.672	<2	1.3	9620	187	5	41	24	12	545	3.90	7	2	75	<0.5	<3	<3	50	1.02	0.06	8	28	0.71	119	0.095	<20	1.45	0.11	0.21	11	<5	<1	6	1.29	<5	30-Jul-12
CA1205	Drill Core	54.0	56.0	Acme	SMI12000082	1936001	Drill Core	3.22	0.031	<2	<0.3	1223	2	<3	51	7	17	1281	3.75	11	<2	124	<0.5	<3	<3	52	4.7	0.16	14	10	1	1733	0.003	<20	1.82	0.02	0.33	<2	<5	<1	6	0.27	5	30-Jul-12

All assays ppm except Ca, Fe, K, Na, Mg, P, S, Ti in %

hole_id	Material	FROM	TO	Lab	Job	Sample	Type	Wgt	Au-fa	Au	Ag	Cu	Mo	Pb	Zn	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc	Date
CA1205	Drill Core	56.0	58.0	Acme	SMI12000082	1936002	Drill Core	3.57	<0.005	<2	<0.3	1	1	<3	73	5	16	1111	4.58	3	<2	88	<0.5	<3	4	83	3.61	0.17	16	11	1.85	1306	0.005	<20	2.57	0.05	0.26	<2	<5	<1	9	0.06	7	30-Jul-12
CA1205	Drill Core	58.0	60.0	Acme	SMI12000082	1936003	Drill Core	3.50	0.005	<2	<0.3	54	1	<3	70	7	15	1052	4.53	2	<2	70	<0.5	<3	<3	73	3.67	0.17	18	11	1.7	375	0.004	<20	2.53	0.03	0.28	<2	<5	<1	9	<0.05	6	30-Jul-12
CA1205	Drill Core	60.0	62.0	Acme	SMI12000082	1936004	Drill Core	1.83	<0.005	<2	<0.3	11	1	4	79	5	18	1021	4.74	<2	<2	57	<0.5	<3	<3	78	3.27	0.18	18	10	1.75	223	0.004	<20	2.77	0.04	0.28	<2	<5	<1	9	<0.05	6	30-Jul-12
CA1205	Drill Core	62.0	64.0	Acme	SMI12000082	1936005	Drill Core	0.63	<0.005	<2	<0.3	20	2	<3	76	5	16	1509	4.34	<2	<2	72	<0.5	<3	<3	59	4.96	0.17	17	8	1.53	308	0.002	<20	2.58	0.02	0.24	<2	<5	<1	8	<0.05	<5	30-Jul-12
CA1205	Drill Core	64.0	66.0	Acme	SMI12000082	1936006	Drill Core	2.30	0.012	<2	<0.3	24	2	<3	28	2	9	1094	2.22	12	5	53	<0.5	<3	<3	19	3.91	0.07	18	5	0.59	391	<0.001	<20	1.31	0.02	0.27	<2	<5	<1	<5	0.10	<5	30-Jul-12
CA1205	Drill Core	66.0	68.0	Acme	SMI12000082	1936007	Drill Core	3.10	0.006	<2	<0.3	5	1	<3	2	<1	2	457	0.57	3	10	44	<0.5	<3	<3	1	1.56	0.01	21	3	0.08	1007	<0.001	<20	0.43	0.02	0.27	<2	<5	<1	<5	0.06	<5	30-Jul-12
CA1205	Drill Core	68.0	70.0	Acme	SMI12000082	1936008	Drill Core	2.72	0.009	<2	<0.3	5	2	<3	5	2	3	611	0.78	6	8	26	<0.5	<3	<3	<1	2.25	0.01	19	4	0.15	89	<0.001	<20	0.55	0.01	0.26	<2	<5	<1	<5	0.05	<5	30-Jul-12
CA1205	Drill Core	70.0	72.0	Acme	SMI12000082	1936009	Drill Core	4.43	1.969	<2	1.7	256	6	9	8	6	13	770	12.85	82	3	36	<0.5	<3	6	10	2.21	0.07	5	5	0.24	12	<0.001	<20	0.72	0.01	0.28	<2	<5	<1	<5	>10.00	<5	30-Jul-12
CA1205	Drill Core	72.0	74.0	Acme	SMI12000082	1936010	Drill Core	2.99	0.256	<2	1.3	315	9	3	26	25	15	680	6.90	35	2	38	<0.5	<3	7	19	1.85	0.11	6	22	0.61	44	<0.001	<20	1.39	0.01	0.37	<2	<5	<1	<5	4.85	<5	30-Jul-12
CA1205	Drill Core	74.0	76.0	Acme	SMI12000082	1936011	Drill Core	4.33	0.123	<2	1.4	178	8	4	22	2	10	921	4.53	25	2	35	<0.5	<3	6	15	2.43	0.11	7	2	0.63	120	<0.001	<20	1.32	0.01	0.35	<2	<5	<1	<5	2.88	<5	30-Jul-12
CA1205	Drill Core	76.0	78.0	Acme	SMI12000082	1936012	Drill Core	4.33	0.358	<2	2.4	431	10	7	8	3	11	575	6.02	50	2	22	0.7	<3	12	15	1.73	0.11	4	<1	0.38	22	<0.001	<20	0.91	<0.01	0.32	<2	<5	3	<5	5.80	<5	30-Jul-12
CA1205	Drill Core	78.0	80.0	Acme	SMI12000082	1936013	Drill Core	4.16	0.576	<2	4	371	19	14	12	2	12	625	7.05	31	<2	20	0.9	<3	12	15	1.48	0.11	4	1	0.29	18	<0.001	<20	0.83	<0.01	0.32	<2	<5	2	5	7.00	<5	30-Jul-12
CA1205	Drill Core	80.0	82.0	Acme	SMI12000082	1936014	Drill Core	4.59	0.121	<2	0.7	131	9	4	7	2	10	1270	3.21	11	<2	52	0.6	<3	<3	14	3.87	0.11	7	<1	0.48	50	<0.001	<20	1.16	<0.01	0.40	<2	<5	2	<5	2.04	<5	30-Jul-12
CA1205	Drill Core	82.0	84.0	Acme	SMI12000082	1936015	Drill Core	4.43	0.319	<2	0.8	188	10	10	11	2	7	884	5.39	30	<2	34	1	<3	8	16	2.54	0.12	4	<1	0.44	38	<0.001	<20	0.96	<0.01	0.33	<2	<5	2	<5	4.93	<5	30-Jul-12
CA1205	Drill Core	84.0	86.0	Acme	SMI12000082	1936016	Drill Core	4.10	0.475	<2	1	217	10	11	16	2	5	1154	4.01	10	<2	51	0.6	<3	<3	20	3.14	0.12	5	2	0.63	72	<0.001	<20	1.46	<0.01	0.36	<2	<5	<1	<5	2.34	<5	30-Jul-12
CA1205	Drill Core	86.0	87.0	Acme	SMI12000082	1936017	Drill Core	2.20	0.910	<2	6.1	232	15	9	6	2	7	666	6.30	58	2	32	0.8	<3	9	12	2.3	0.10	2	<1	0.18	30	<0.001	<20	0.58	<0.01	0.32	2	<5	1	<5	6.96	<5	30-Jul-12
CA1205	Drill Core	87.0	88.0	Acme	SMI12000082	1936018	Drill Core	2.22	1.397	<2	9.6	689	7	27	8	3	5	461	14.55	109	<2	18	1.1	<3	18	19	1.33	0.08	<1	<1	0.26	7	<0.001	<20	0.6	<0.01	0.22	<2	<5	3	<5	>10.00	<5	30-Jul-12
CA1205	Drill Core	88.0	89.0	Acme	SMI12000082	1936019	Drill Core	2.62	1.626	<2	6	416	17	21	1	3	4	200	13.40	149	<2	13	1.2	<3	20	16	0.75	0.09	<1	<1	0.05	7	<0.001	<20	0.42	<0.01	0.30	<2	<5	2	<5	>10.00	<5	30-Jul-12
CA1205	Drill Core	89.0	90.0	Acme	SMI12000082	1936020	Drill Core	3.22	6.172	3	19.9	563	4	68	<1	2	4	376	34.75	447	<2	16	5.6	<3	35	26	1.22	0.02	<1	<1	0.01	4	<0.001	40	0.05	<0.01	0.03	<2	<5	3	<5	>10.00	<5	30-Jul-12
CA1205	Drill Core	90.0	91.0	Acme	SMI12000082	1936021	Drill Core	3.03	5.770	4	15.2	221	6	59	8	3	2	333	30.50	330	<2	16	4.7	<3	17	26	1.19	0.03	<1	<1	0.05	6	<0.001	30	0.22	<0.01	0.13	<2	<5	2	<5	>10.00	<5	30-Jul-12
CA1205	Drill Core	91.0	92.0	Acme	SMI12000082	1936022	Drill Core	2.76	2.705	<2	5.7	357	12	21	12	3	11	437	10.39	62	<2	20	0.8	<3	8	16	1.29	0.09	2	2	0.13	24	<0.001	<20	0.51	<0.01	0.29	<2	<5	<1	<5	>10.00	<5	30-Jul-12
CA1205	Drill Core	92.0	94.0	Acme	SMI12000082	1936023	Drill Core	4.39	0.458	<2	2.8	398	13	12	8	2	5	956	5.36	33	<2	38	0.7	<3	10	14	2.63	0.12	5	<1	0.43	18	<0.001	<20	0.86	<0.01	0.37	<2	<5	<1	<5	5.34	<5	30-Jul-12
CA1205	Drill Core	94.0	96.0	Acme	SMI12000082	1936024	Drill Core	3.90	0.240	<2	1.6	249	28	<3	12	2	6	731	4.16	18	2	31	0.7	<3	11	14	2.44	0.13	5	1	0.47	32	<0.001	<20	1.03	<0.01	0.36	<2	<5	2	<5	3.44	<5	30-Jul-12
CA1205	Blank			Acme	SMI12000082	1936025	Rock	0.71	0.005	<2	<0.3	<1	<1	<3	<1	<1	<1	25	0.04	<2	<2	3940	<0.5	<3	4	<1	34.91	0.00	<1	<1	1.75	10	<0.001	<20	0.05	<0.01	0.01	5	5	3	5	0.06	<5	30-Jul-12
CA1205	Drill Core	96.0	98.0	Acme	SMI12000082	1936026	Drill Core	4.18	0.572	<2	3.9	654	18	7	10	2	8	1427	5.40	35	<2	53	0.7	<3	8	13	4.29	0.11	6	<1	0.36	22	<0.001	<20	0.89	<0.01	0.33	2	<5	2	<5	5.41	<5	30-Jul-12
CA1205	Drill Core	98.0	100.0	Acme	SMI12000082	1936027	Drill Core	3.71	1.253	<2	2.9	455	16	10	7	3	11	553	9.12	49	<2	28	0.7	<3	10	15	1.92	0.11	4	<1	0.23	15	<0.001	<20	0.64	<0.01	0.31	<2	<5	1	<5	9.49	<5	30-Jul-12
CA1205	Drill Core	100.0	102.0	Acme	SMI12000082	1936028	Drill Core	4.13	0.960	<2	4.3	419	39	11	5	2	7	371	6.73	37	<2	24	<0.5	<3	10	12	0.74	0.09	7	1	0.16	30	<0.001	<20	0.6	0.01	0.34	<2	<5	2	<5	6.65	<5	30-Jul-12
CA1205	Drill Core	102.0	104.0	Acme	SMI12000082	1936029	Drill Core	2.93	0.280	<2	5.7	187	16	<3	18	2	7	1065	5.20	33	<2	42	0.6	<3	<3	17	2.31	0.11	5	<1	0.59	20	<0.001	<20	1.16	0.01	0.39	<2	7	<1	<5	4.04	<5	30-Jul-12
CA1205	Drill Core	104.0	106.0	Acme	SMI12000082	1936030	Drill Core	3.84	0.080	<2	0.5	103	29	<3	16	2	6	1223	4.13	21	3	40	0.5	<3	4	20	3.01	0.12	8	<1	0.73	30	<0.001	<20	1.39	0.02	0.36	<2	<5	1	<5	2.81	<5	30-Jul-12
CA1205	Drill Core	106.0	108.0	Acme	SMI12000082	1936031	Drill Core	3.51	0.149	<2	2.1	183	29	6	8	2	7	942	3.78	23	<2	40	<0.5	<3	<3	12	2.94	0.12	6	<1	0.3	62	<0.001	<20	0.78	0.01	0.38	<2	<5	<1	<5	3.42	<5	30-Jul-12
CA1205	Drill Core	108.0	110.0	Acme	SMI12000082	1936032	Drill Core	2.66	0.151	<2	1.2	302	36	7	18	3	9	922	5.12	30	<2	37	0.6	<3	10	14	2.03	0.11	4	<1	0.42	18	<0.001	<20	0.89	0.01	0.35	<2	<5	2	<5	4.64	<5	30-Jul-12
CA1205	Drill Core	110.0	112.0	Acme	SMI12000082	1936033	Drill Core	2.59	0.301	<2	1.3	645	23	7	26	2	12	999	5.39	25	2	29	0.7	<3	10	24	1.99	0.12	4	<1	0.72	25	<0.001	<20	1.25	0.02	0.33	<2	<5	1	<5	4.35	<5	30-Jul-12
CA1205	Drill Core	112.0	114.0	Acme	SMI12000082	1936034	Drill Core	2.90	0.163	<2	1.1	609	12	5	21	2	8	1410	4.19	12	3	35	<0.5	<3	<3	19	2.33	0.11	7	<1	0.55	40	<0.001	<20	1.1	0.02	0.33	<2	<5	<1	<5	2.88	<5	30-Jul-12
CA1205	Drill Core	114.0	116.0	Acme	SMI12000082	1936035	Drill Core	2.56	0.106	<2	0.3	432	21	<3	29	2	7	1020	4.08	12	3	32	0.6	<3	4	23	2.37	0.12	7	1	0.86	49	<0.001	<20	1.49	0.01	0.32	<2	<5	<1	<5	2.28	<5	30-Jul-12
CA1205	Drill Core	116.0	118.0	Acme	SMI12000082	1936036	Drill Core	2.76	0.152	<2	0.4	265	24	7	21	2	8	1025	4.97	12	<2	40	0.6	<3	5	17	2.41	0.12	7	<1	0.51	53	<0.001	<20	1.11	0.01	0.34	<2	<5	<1	<5	3.87	<5	30-Jul-12
CA1205	Drill Core	118.0	120.0	Acme	SMI12000082	1936037	Drill Core	2.79	0.341	<2	0.5	368	13	4	20	2	10	1128	5.21	20	2	43	0.8	<3	<3	15	2.67	0.11	6	<1	0.39	38	<0.001	<20	0.97	0.01	0.33	<2	<5	<1	<5	4.41	<5	30-Jul-12
CA1205	Drill Core	120.0	122.0	Acme	SMI12000082	1936038	Drill Core	3.99	0.986	<2	5.4	430	12	<3	17	2	9	979	8.56	57	<2	35	0.7	<3	3	17	2.44	0.10	5	<1	0.38	8	<0.001	<20	0.89	<0.01	0.33	<2	<5	<1	<5	7.99	<5	30-Jul-12
CA1205	Drill Core	122.0	124.0	Acme	SMI12000082	1936039	Drill Core	3.48	1.358	<2	5.1	450	14	18	13	2	9	459	10.74	88	<2	21	0.7	<3	13	15	0.94	0.10	3	<1	0.11	7	<0.001	<20	0.56	0.01	0.31	<2	<5	<1	<5	>10.00	<5	30-Jul-12
CA1205	Drill Core	124.0	126.0	Acme	SMI12000082	1936040	Drill Core	3.93	0.230	<2	0.7	142	11	<3	17	2	10	822	4.90	32	<2	30	<0.5	<3	7	17	1.76	0.11	6	<1	0.66	37	<0.001	<20	1.13	0.01	0.35	<2	<5	<1	<5	4.07	<5	30-Jul-12
CA1205	Drill Core	126.0	128.0	Acme	SMI12000082	1936041	Drill Core	3.30	0.102	<2	<0.3	112	9	<3	29	1	7	1213	4.05	21	4	39	<0.5	<3	3	19	2.27	0.09	8	1	0.84	51	<0.001	<20	1.37	0.02	0.28	<2	<5	<1	<5	2.47	<5	30-Jul-12
CA1205	Drill Core	128.0	130.0	Acme	SMI12000082	1936042	Drill Core	3.53	0.141	<2	<0.3	231	15	<3	33	2	8	1123	4.95	17	3	29	0.5	<3	7	29	2.17	0.11	6	<1	1.01	31	0.001	<20	1.7	0.01	0.32	<2	<5	<1	<5	3.21	<5	30-Jul-12
CA1205	Drill Core	130.0	132.0	Acme	SMI12000082	1936043	Drill Core	3.75	0.131	<2	<0.3	230	7	<3	8	<1	5	673	2.46	11	6	31	<0.5	<3	<3	9	1.98	0.05	7	<1	0.33	106	<0.001	<20	0.69	0.01	0.29	<2	<5	<1	<5	1.96	<5	30-Jul-12
CA1205	Drill Core	132.0	134.0	Acme	SMI12000082	1936044	Drill Core	4.29	0.007	<2	<0.3	85	2	<3	<1	<1	<1	693	0.36	<2	10	39	<0.5	<3	<3	<1	2.47	0.01	20	1	0.06	19	<0.001	<20	0.37	<0.01	0.29	<2	<5	<1	<5	<0.05	<5	30-Jul-12
CA1205	Drill Core	134.0	136.0	Acme	SMI12000082	1936045	Drill Core	4.14	0.400	<2	<0.3	254	6	<3	5	<1	6	699	1.45	25	8	36	<0.5	<3	<3	3	2.32	0.03	10	2	0.17	46	<0.001	<20	0.52	<0.01	0.30	<2	<5	<1	<5	1.11	<5	30-Jul-12
CA1205	Drill Core	136.0	138.0	Acme	SMI12000082	1936046	Drill Core	3.82	0.010	<2	<0.3	143	8	<3	9	<1	1	524	1.28	8	10	20	<0.5	4	<3	5	1.44	0.02	14	<1	0.43	33	<0.001	<20	0.79	0.01	0.30	3	<5	<1	<5	0.29	<5	30-Jul-12
CA1205	Drill Core	138.0	140.0	Acme	SMI12000082	1936047	Drill Core	4.01	0.175	<2	0.8	322	5	9	38	8	13	744	6.14	50	<2	31	<0.5	<3	10	33	2.08	0.12	6	16	1.11	83	0.003	<20	1.88	0.02	0.44	<2	<5	<1	6	4.76	<5	30-Jul-12
CA1205	Drill Core	140.0	142.0	Acme	SMI12000082	1936048	Drill Core	4.12	0.161	<2	0.4	146	3	5	26	2	10	522	6.25	28	<2	14	<0.5	<3	6	24	1.04	0.12	7	1	1.1	73	0.002	<20	1.77	0.01	0.46	<2	<5	<1	<5	5.09	<5	30-Jul-12
CA1205	Drill Core	142.0	144.0	Acme	SMI12000082	1936049	Drill Core	4.83	0.290	<2	1	228	2	<3	21	3	10	494	6.01	19	3	15	<0.5	<3	7	18	1	0.13	9	2	0.89	92	0.002	<20	1.42	0.02	0.42	<2	<5	<1	<5	5.48	<5	30-Jul-12
CA1205	Std CDN CM-14			Acme	SMI12000082	1936050	Rock Pulp	0.08	0.733	<2	4.5	>10000	441	8	73	37	10	477	3.06	15	<2	43	0.6	<3	4	57	0.85	0.06	7	51	0.7	136	0.117	<20	1.39	0.11	0.13	23	<5	<1	<5	0.84	<5	30-Jul-12
CA1205	Drill Core	144.0	146.0	Acme	SMI12000082	1936051	Drill Core	3.52	0.215	<2	0.5	112	3	6	37	8	14	1128	5.81	16	<2	43	<0.5	<3	11	36	3.14	0.12	8	15	1.46	135	0.002	<20	2.13	0.02	0.40	<2	<5	<1	6	4.12	<5	30-Jul-12
CA1205	Drill Core	146.0	148.0	Acme	SMI12000082	1936052	Drill Core	4.72	0.127	<2	0.9	239	4	8	65	26	21	1331	5.15	19	<2	67	0.7	<3	<3	53	4.57	0.10	7	49	1.62	139	0.002	<20	2.27	0.03	0.37	<2	<5	<1	8	2.44	6	30-Jul-12
CA1205	Drill Core	148.0	150.0	Acme	SMI12000082	1936053	Drill Core	3.46	0.166	<2	0.7	496	11	<3	36	3	8	620	4.65	5	<2	24	<0.5	<3	7	41	1.96	0.13	7	2	1.1	185	0.004	<20	1.82	0.05	0.40	<2	<5	<1	7	3.13	<5	30-Jul-12
CA1205	Drill Core	150.0	152.0	Acme	SMI12000082	1936054	Drill Core	3.35	0.131	<2	<0.3	597	18	<3	40	2	6	616	4.42	5	3	30	<0.5	<3	5	60	1.74	0.13	7	3	1.45	289	0.004	<20	2.2	0.08	0.33	<2	<5	<1	9	2.06	<5	30-Jul-12
CA1205	Drill Core	152.0	154.0	Acme	SMI12000082	1936055	Drill Core	3.20	0.202	<2	<0.3	635	8	<3	41	2	8	595	4.37	3	3	20	<0.5	<3	5	53	1.43	0.13	7	3	1.29	156	0.004	<20	2.06	0.06	0.39	<2	<5	<1	6	2.20	<5	30-Jul-12
CA1205	Drill Core	154.0	156.0	Acme	SMI12000082	1936056	Drill Core	4.47	0.282	<2	0.5	375	4	<3	44	7	14	885	5.69	5	<2	50	<0.5	<3	6	68	3.32	0.16	12	9	1.76	158	0.005	<20	2.61	0.05	0.35	<2	<5	<1	8	2.41	5	30-Jul-12
CA1205	Drill Core	156.0	158.0	Acme	SMI12000082	1936057	Drill Core	3.38	0.141	<2	<0.3	415	7	<3	38	4	11	784	4.58	10	<2	35	<0.5	<3	6	59	2.78	0.15	10	6	1.42	143	0.004	<20	2.21	0.04	0.37	<2	<5	<1	10	1.90	<5	30-Jul-12
CA1205	Drill Core	158.0	160.0	Acme	SMI12000082	1936058	Drill Core	3.91	0.072	<2	<0.3	1253	6	4	43	26	16	865	4.51	10	<2	85	0.6	<3	<3	74	3.45	0.15	10	41	2.05	120	0.004	<20	2.73	0.05	0.35	<2	<5	<1	9	1.43	7	30-Jul-12

All assays ppm except Ca, Fe, K, Na, Mg, P, S, Ti in %

hole_id	Material	FROM	TO	Lab	Job	Sample	Type	Wgt	Au-fa	Au	Ag	Cu	Mo	Pb	Zn	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc	Date
CA1205	Drill Core	160.0	162.0	Acme	SMI12000082	1936059	Drill Core	4.46	0.099	<2	<0.3	358	14	6	52	51	24	986	5.07	33	<2	57	0.6	<3	4	98	3.93	0.11	7	80	2.56	193	0.003	<20	3.04	0.07	0.30	<2	<5	<1	12	1.74	10	30-Jul-12
CA1205	Drill Core	162.0	164.0	Acme	SMI12000082	1936060	Drill Core	4.57	0.045	<2	<0.3	371	1	4	55	70	26	1349	4.63	13	<2	102	0.6	<3	<3	103	6.29	0.17	15	84	2.41	529	0.005	<20	3.22	0.04	0.34	<2	<5	<1	11	0.40	9	30-Jul-12
CA1205	Drill Core	164.0	166.0	Acme	SMI12000082	1936061	Drill Core	4.16	0.006	<2	<0.3	11	2	<3	76	8	18	1120	5.05	2	<2	75	0.5	<3	3	100	3.93	0.19	20	15	2.43	557	0.004	<20	3.1	0.05	0.33	<2	<5	<1	11	0.09	7	30-Jul-12
CA1205	Drill Core	166.0	168.0	Acme	SMI12000082	1936062	Drill Core	4.00	0.037	<2	<0.3	125	6	<3	75	6	17	1095	5.03	5	<2	74	<0.5	<3	<3	92	3.73	0.19	18	10	2.18	513	0.005	<20	2.94	0.05	0.35	<2	<5	<1	11	0.36	6	30-Jul-12
CA1205	Drill Core	168.0	170.0	Acme	SMI12000082	1936063	Drill Core	1.87	0.135	<2	<0.3	281	6	<3	60	3	8	629	5.62	10	3	15	<0.5	<3	4	53	0.87	0.13	7	4	1.97	154	0.005	<20	2.61	0.05	0.40	<2	<5	<1	8	3.23	<5	30-Jul-12
CA1205	Drill Core	170.0	172.0	Acme	SMI12000082	1936064	Drill Core	5.66	0.240	<2	<0.3	377	4	<3	60	3	10	808	5.66	11	<2	28	<0.5	<3	6	54	1.61	0.13	8	3	1.57	121	0.006	<20	2.4	0.07	0.42	<2	<5	<1	8	3.54	<5	30-Jul-12
CA1205	Drill Core	172.0	174.0	Acme	SMI12000082	1936065	Drill Core	4.33	0.403	<2	2.2	750	6	7	28	3	9	527	7.52	23	<2	26	<0.5	<3	8	27	1.88	0.12	7	<1	0.64	62	0.004	<20	1.43	0.03	0.53	<2	<5	1	5	7.50	<5	30-Jul-12
CA1205	Drill Core	174.0	176.0	Acme	SMI12000082	1936066	Drill Core	4.03	0.365	<2	1.2	312	10	6	19	3	13	227	10.00	32	<2	12	<0.5	<3	5	17	0.86	0.11	4	<1	0.53	58	0.003	<20	1.14	0.02	0.46	<2	<5	<1	<5	>10.00	<5	30-Jul-12
CA1205	Drill Core	176.0	178.0	Acme	SMI12000082	1936067	Drill Core	3.85	0.268	<2	0.8	677	13	<3	37	2	10	528	6.11	11	<2	27	<0.5	<3	7	41	1.76	0.13	7	4	1.05	48	0.004	<20	1.72	0.04	0.45	<2	<5	<1	6	5.25	<5	30-Jul-12
CA1205	Drill Core	146.0	148.0	Acme	SMI12000082	1936052	PD	4.72	0.127	<2	0.9	239	4	8	65	26	21	1331	5.15	19	<2	67	0.7	<3	<3	53	4.57	0.10	7	49	1.62	139	0.002	<20	2.27	0.03	0.37	<2	<5	<1	8	2.44	6	30-Jul-12
CA1205	Drill Core	146.0	148.0	Acme	SMI12000082	1936052	REP		0.125																																			30-Jul-12
CA1204	Drill Core	276.0	278.0	Acme	SMI12000082	1935948	PD	4.48	0.057	<2	<0.3	132	3	11	34	1	5	497	3.94	8	<2	146	<0.5	<3	<3	79	3.34	0.12	4	11	1.21	61	0.002	<20	1.33	0.03	0.23	<2	<5	<1	6	5.56	5	30-Jul-12
CA1204	Drill Core	276.0	278.0	Acme	SMI12000082	1935948	REP		0.062																																			30-Jul-12
CA1205	Drill Core	54.0	56.0	Acme	SMI12000082	1936001	PD	3.22	0.031	<2	<0.3	1223	2	<3	51	7	17	1281	3.75	11	<2	124	<0.5	<3	<3	52	4.7	0.16	14	10	1	1733	0.003	<20	1.82	0.02	0.33	<2	<5	<1	6	0.27	5	30-Jul-12
CA1205	Drill Core	54.0	56.0	Acme	SMI12000082	1936001	REP		0.029																																			30-Jul-12
CA1204	Drill Core	228.0	230.0	Acme	SMI12000082	1935923	PD	4.53	<0.005	<2	<0.3	17	<1	4	62	45	27	1275	4.67	5	<2	176	<0.5	<3	<3	124	5.33	0.07	5	91	2.6	45	0.165	<20	4.33	0.28	0.20	<2	<5	<1	11	0.15	12	30-Jul-12
CA1204	Drill Core	228.0	230.0	Acme	SMI12000082	1935923	REP		<0.005																																			30-Jul-12
CA1205	Drill Core	98.0	100.0	Acme	SMI12000082	1936027	PD	3.71	1.253	<2	2.9	455	16	10	7	3	11	553	9.12	49	<2	28	0.7	<3	10	15	1.92	0.11	4	<1	0.23	15	<0.001	<20	0.64	<0.01	0.31	<2	<5	1	<5	9.49	<5	30-Jul-12
CA1205	Drill Core	98.0	100.0	Acme	SMI12000082	1936027	REP		1.230																																			30-Jul-12
CA1204	Drill Core	146.0	148.0	Acme	SMI12000082	1935881	PD	3.73	0.712	<2	3.3	613	17	15	18	8	13	610	9.53	28	<2	36	0.8	<3	4	17	1.79	0.09	3	2	0.28	6	<0.001	<20	0.69	0.02	0.32	<2	<5	<1	<5	8.80	<5	30-Jul-12
CA1204	Drill Core	146.0	148.0	Acme	SMI12000082	1935881	REP			<2	3.2	605	17	15	17	7	13	610	9.43	29	<2	35	0.7	<3	5	17	1.76	0.09	3	3	0.28	5	<0.001	<20	0.69	0.02	0.32	<2	<5	<1	<5	8.69	<5	30-Jul-12
CA1205	Drill Core	174.0	176.0	Acme	SMI12000082	1936066	PD	4.03	0.365	<2	1.2	312	10	6	19	3	13	227	10.00	32	<2	12	<0.5	<3	5	17	0.86	0.11	4	<1	0.53	58	0.003	<20	1.14	0.02	0.46	<2	<5	<1	<5	>10.00	<5	30-Jul-12
CA1205	Drill Core	174.0	176.0	Acme	SMI12000082	1936066	REP			<2	1.3	316	13	8	20	3	13	232	10.00	36	<2	12	<0.5	<3	8	16	0.88	0.12	4	<1	0.53	55	0.002	<20	1.08	0.02	0.44	<2	<5	<1	<5	>10.00	<5	30-Jul-12
CA1204	Drill Core	222.0	224.0	Acme	SMI12000082	1935920	PD	4.27	0.137	<2	<0.3	249	9	7	24	<1	6	792	4.03	30	3	58	<0.5	<3	4	44	3.18	0.09	7	2	0.79	273	0.001	<20	1.61	0.05	0.30	<2	<5	<1	8	1.72	<5	30-Jul-12
CA1204	Drill Core	222.0	224.0	Acme	SMI12000082	1935920	REP			<2	<0.3	249	9	5	24	<1	6	783	4.03	29	3	57	<0.5	<3	7	43	3.18	0.09	7	1	0.79	291	0.001	<20	1.59	0.05	0.30	<2	<5	<1	8	1.74	<5	30-Jul-12
CA1205	Drill Core	18.0	20.0	Acme	SMI12000082	1935982	PD	3.46	0.073	<2	<0.3	398	5	5	38	4	9	395	3.86	9	2	33	<0.5	<3	5	24	0.93	0.10	8	3	0.58	167	<0.001	<20	1.18	0.04	0.35	<2	<5	<1	<5	1.75	<5	30-Jul-12
CA1205	Drill Core	18.0	20.0	Acme	SMI12000082	1935982	REP			<2	<0.3	393	5	6	38	3	9	396	3.86	10	2	33	<0.5	<3	<3	24	0.94	0.10	8	3	0.58	168	<0.001	<20	1.19	0.04	0.35	<2	<5	<1	<5	1.75	<5	30-Jul-12
CA1204	Drill Core	280.0	282.0	Acme	SMI12000082	1935951	PD	4.66	0.326	<2	1	493	6	14	48	3	11	599	5.69	16	<2	176	<0.5	<3	4	39	2.61	0.13	4	6	0.97	18	0.001	<20	1.37	0.02	0.34	<2	<5	<1	5	5.84	<5	30-Jul-12
CA1204	Drill Core	280.0	282.0	Acme	SMI12000082	1935951	REP			<2	1.1	486	5	13	47	4	11	581	5.56	16	<2	172	<0.5	<3	6	38	2.57	0.13	4	5	0.94	18	0.001	<20	1.34	0.02	0.33	<2	<5	<1	5	5.76	<5	30-Jul-12
CA1205	Blank			Acme	SMI12000082	1936025	PD	0.71	0.005	<2	<0.3	<1	<1	<3	<1	<1	<1	25	0.04	<2	<2	3940	<0.5	<3	4	<1	34.91	0.00	<1	<1	1.75	10	<0.001	<20	0.05	<0.01	0.01	5	5	3	5	0.06	<5	30-Jul-12
CA1205	Blank			Acme	SMI12000082	1936025	REP			<2	<0.3	<1	<1	<3	<1	<1	<1	26	0.04	<2	<2	4013	<0.5	<3	5	<1	34.64	0.00	<1	<1	1.73	10	<0.001	<20	0.05	<0.01	0.01	2	<5	4	<5	0.07	<5	30-Jul-12
CA1204	Drill Core	154.0	156.0	Acme	SMI12000082	1935885	PREP	3.95	0.234	<2	0.5	618	14	5	23	2	8	989	2.94	9	3	34	<0.5	<3	<3	17	2.67	0.11	8	2	0.91	66	<0.001	<20	1.32	0.02	0.37	<2	<5	<1	<5	1.46	<5	30-Jul-12
CA1204	Drill Core	154.0	156.0	Acme	SMI12000082	1935885	DUP	<0.01	0.234	<2	0.5	641	14	10	23	1	9	996	2.97	9	3	34	<0.5	<3	<3	16	2.69	0.12	8	2	0.92	66	<0.001	<20	1.28	0.01	0.36	<2	<5	<1	<5	1.47	<5	30-Jul-12
CA1204	Drill Core	220.0	222.0	Acme	SMI12000082	1935919	PREP	3.44	0.117	<2	<0.3	323	4	5	31	2	5	1017	4.19	10	3	44	<0.5	<3	3	50	2.75	0.07	6	3	1.13	229	0.001	<20	1.66	0.05	0.21	<2	<5	<1	9	1.90	5	30-Jul-12
CA1204	Drill Core	220.0	222.0	Acme	SMI12000082	1935919	DUP	<0.01	0.116	<2	<0.3	315	3	3	31	<1	5	1024	4.18	10	3	45	<0.5	<3	4	50	2.79	0.07	6	3	1.14	291	0.001	<20	1.67	0.06	0.22	<2	<5	1	9	1.88	5	30-Jul-12
CA1204	Drill Core	284.0	286.0	Acme	SMI12000082	1935953	PREP	4.68	0.315	<2	0.8	539	69	11	28	3	12	624	5.22	15	<2	148	<0.5	<3	<3	16	2.87	0.11	5	2	0.67	27	<0.001	<20	0.95	0.02	0.35	<2	<5	<1	<5	5.52	<5	30-Jul-12
CA1204	Drill Core	284.0	286.0	Acme	SMI12000082	1935953	DUP	<0.01	0.335	<2	0.8	553	67	11	27	3	12	609	5.45	15	<2	156	<0.5	<3	<3	15	2.92	0.11	4	2	0.64	21	<0.001	<20	0.91	0.02	0.34	<2	<5	<1	<5	5.95	<5	30-Jul-12
CA1205	Drill Core	28.0	30.0	Acme	SMI12000082	1935987	PREP	3.89	0.564	<2	1.4	262	19	6	13	3	12	481	4.39	10	2	35	<0.5	<3	6	10	1.72	0.12	7	2	0.25	79	<0.001	<20	0.78	0.03	0.37	<2	<5	<1	<5	3.79	<5	30-Jul-12
CA1205	Drill Core	28.0	30.0	Acme	SMI12000082	1935987	DUP	<0.01	0.621	<2	1.6	278	21	<3	12	4	13	488	4.46	9	3	34	<0.5	<3	5	9	1.73	0.12	7	2	0.25	78	<0.001	<20	0.77	0.02	0.37	<2	<5	<1	<5	3.90	<5	30-Jul-12
CA1205	Drill Core	91.0	92.0	Acme	SMI12000082	1936022	PREP	2.76	2.705	<2	5.7	357	12	21	12	3	11	437	10.39	62	<2	20	0.8	<3	8	16	1.29	0.09	2	2	0.13	24	<0.001	<20	0.51	<0.01	0.29	<2	<5	<1	<5	>10.00	<5	30-Jul-12
CA1205	Drill Core	91.0	92.0	Acme	SMI12000082	1936022	DUP	<0.01	2.737	<2	6.1	348	14	27	13	3	12	455	10.42	66	<2	20	0.8	<3	14	15	1.34	0.09	2	<1	0.13	22	<0.001	<20	0.52	<0.01	0.30	<2	<5	<1	<5	>10.00	<5	30-Jul-12
CA1205	Drill Core	154.0	156.0	Acme	SMI12000082	1936056	PREP	4.47	0.282	<2	0.5	375	4	<3	44	7	14	885	5.69	5	<2	50	<0.5	<3	6	68	3.32	0.16	12	9	1.76	158	0.005	<20	2.61	0.05	0.35	<2	<5	<1	8	2.41	5	30-Jul-12
CA1205	Drill Core	154.0	156.0	Acme	SMI12000082	1936056	DUP	<0.01	0.262	<2	0.6	362	4	4	44	9	14	850	5.47	3	<2	49	0.6	<3	5	67	3.19	0.16	12	15	1.71	162	0.006	<20	2.52	0.05	0.35	<2	<5	<1	8	2.21	5	30-Jul-12
CA1205	Drill Core	178.0	180.0	Acme	SMI12000086	1936068	Drill Core	3.85	0.170	<2	0.3	503	8	7	38	2	9	554	4.42	5	3	27	<0.5	<3	<3	48	1.9	0.12	6	4	1.12	87	0.002	<20	1.49	0.04	0.26	<2	<5	<1	5	2.82	<5	30-Jul-12
CA1205	Drill Core	180.0	182.0	Acme	SMI12000086	1936069	Drill Core	3.78	0.204	<2	<0.3	658	7	11	42	2	11	502	4.23	4	3	32	<0.5	<3	<3	61	1.56	0.12	7	5	1.11	207	0.018	<20	1.51	0.07	0.22	<2	<5	<1	7	1.59	<5	30-Jul-12
CA1205	Drill Core	182.0	184.0	Acme	SMI12000086	1936070	Drill Core	2.92	0.221	<2	0.4	839	16	<3	39	2	10	451	4.61	2	3	25	<0.5	<3	<3	52	1.34	0.12	6	4	1.04	106	0.008	<20	1.43	0.05	0.27	<2	<5	<1	6	2.33	<5	30-Jul-12
CA1205	Drill Core	184.0	186.0	Acme	SMI12000086	1936071	Drill Core	3.11	0.207	<2	0.4	733	26	6	35	2	8	484	4.48	6	3	29	<0.5	<3	<3	45	1.62	0.12	6	4	1.05	69	0.004	<20	1.46	0.05	0.29	<2	<5	<1	5	2.59	<5	30-Jul-12
CA1205	Drill Core	186.0	188.0	Acme	SMI12000086	1936072	Drill Core	3.49	0.523	<2	1	684	10	10	18	6	10	198	11.11	61	2	11	<0.5	3	<3	16	0.67	0.10	3	3	0.4	16	0.001	<20	0.76	0.02	0.31	<2	<5	<1	<5	>10.00	<5	30-Jul-12
CA1205	Drill Core	188.0	190.0	Acme	SMI12000086	1936073	Drill Core	3.90	0.619	<2	0.8	1314	9	6	33	2	11	475	5.75	14	3	22	<0.5	<3	<3	40	1.37	0.11	7	5	0.88	54	0.002	<20	1.41	0.03	0.30	<2	<5	<1	5	3.76	<5	30-Jul-12
CA1205	Drill Core	190.0	192.0	Acme	SMI12000086	1936074	Drill Core	1.97	0.160	<2	<0.3	368	6	4	34	2	8	570	5.04	15	3	30	<0.5	<3	<3	42	1.97	0.12	8	4	0.95	68	0.002	<20	1.45	0.03	0.30	<2	<5	<1	5	2.84	<5	30-Jul-12
CA1205	Duplicate			Acme	SMI12000086	1936075	Drill Core	2.18	0.181	<2	<0.3	392	6	6	33	2	8	568	5.10	15	3	30	<0.5	<3	<3	43	1.97	0.12	8	4	0.93	61	0.002	<20	1.46	0.04	0.32	<2	<5	<1	6	2.90	<5	30-Jul-12
CA1205	Drill Core	192.0	194.0	Acme	SMI12000086	1936076	Drill Core	4.37	0.162	<2	<0.3	443	13	11	34	2	11	510	5.73	12	3	23	<0.5	<3	<3	38	1.54	0.12	5	3	1.04	76	0.002	<20	1.58	0.03	0.32	<2	<5	<1	<5	3.99	<5	30-Jul-12
CA1205	Drill Core	194.0	196.0	Acme	SMI12000086	1936077	Drill Core	3.56	0.227	<2	0.4	457	11	11	37	6	13	609	8.61	6	3	23	<0.5	<3	<3	41	1.59	0.12	7	5	0.99	32	0.002	<20	1.63	0.03	0.35	<2	<5	<1	<5	6.20	<5	30-Jul-12
CA1205	Drill Core	196.0	198.0	Acme	SMI12000086	1936078	Drill Core	4.50	0.301	<2	<0.3	561	8	8	27	4	24	536	7.03	11	3	25	<0.5	<3	<3	30	1.91	0.11	7	3	0.74	53	0.001	<20	1.24	0.03	0.30	<2	<5	<1	<5	5.92	<5	30-Jul-12
CA1205	Drill Core	198.0	200.0	Acme	SMI12000086	1936079	Drill Core	3.17	0.344	<2	0.4	796	9	15	37	2	8	547	5.50	7	3	31	<0.5	<3	<3	49	1.69	0.12	9	5	1.05	40	0.004	<20	1.53	0.05	0.26	<2	<5	<1	6	3.57	<5	30-Jul-12
CA1205	Drill Core	200.0	202.0	Acme	SMI12000086	1936080	Drill Core	3.49	0.209	<2	0.3	678	7	<3	39	2	8	495	5.19	7	3	26	<0.5	<3	<3	55	1.52	0.12	7	3	1.1	87	0.002	<20	1.55	0.04	0.27	<2	<5	<1	6	2.76	<5	30-Jul-12
CA1205	Drill Core	202.0	204.0	Acme	SMI12000086	1936081	Drill Core	4.97	0.032	<2	<0.3	105	2	8	62	8	14	904	4.86	3	<2	89	<0.5	<3	<3	74	3.35	0.17	12	15	1.7	708	0.004	<20	2.44	0.05	0.31	<2	<5	<1	8	0.52	5	30-Jul-12

All assays ppm except Ca, Fe, K, Na, Mg, P, S, Ti in %

hole_id	Material	FROM	TO	Lab	Job	Sample	Type	Wgt	Au-fa	Au	Ag	Cu	Mo	Pb	Zn	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc	Date
CA1205	Drill Core	204.0	206.0	Acme	SMI12000086	1936082	Drill Core	3.64	0.086	<2	<0.3	231	3	17	58	7	17	766	5.27	17	<2	58	<0.5	<3	<3	68	2.81	0.16	10	12	1.57	232	0.002	<20	2.28	0.04	0.24	<2	<5	<1	7	1.27	<5	30-Jul-12
CA1205	Drill Core	206.0	208.0	Acme	SMI12000086	1936083	Drill Core	4.54	0.006	<2	<0.3	<1	2	12	72	10	17	1081	4.99	3	<2	94	<0.5	<3	<3	90	3.91	0.19	19	16	2.05	913	0.003	<20	2.69	0.05	0.30	<2	<5	<1	9	<0.05	6	30-Jul-12
CA1205	Drill Core	208.0	210.0	Acme	SMI12000086	1936084	Drill Core	3.86	0.138	<2	<0.3	568	8	9	65	7	15	930	5.10	4	<2	56	<0.5	<3	<3	73	2.8	0.16	11	13	1.8	203	0.002	<20	2.49	0.04	0.33	<2	<5	<1	9	1.33	<5	30-Jul-12
CA1205	Drill Core	210.0	212.0	Acme	SMI12000086	1936085	Drill Core	4.35	0.358	<2	0.4	1166	45	6	30	3	10	467	5.47	6	3	14	<0.5	<3	<3	29	1.13	0.13	5	3	0.93	73	0.001	<20	1.46	0.02	0.36	<2	<5	<1	<5	4.20	<5	30-Jul-12
CA1205	Drill Core	212.0	214.0	Acme	SMI12000086	1936086	Drill Core	3.43	0.808	<2	2	536	20	26	13	7	11	502	12.24	33	<2	29	<0.5	<3	5	14	1.88	0.09	4	4	0.26	9	0.001	<20	0.71	0.02	0.35	<2	<5	<1	<5	>10.00	<5	30-Jul-12
CA1205	Drill Core	214.0	216.0	Acme	SMI12000086	1936087	Drill Core	3.35	0.178	<2	0.5	766	9	9	53	2	10	766	5.36	4	2	33	<0.5	<3	<3	52	1.94	0.12	9	4	1.17	64	0.003	<20	1.66	0.04	0.27	<2	<5	<1	6	3.08	<5	30-Jul-12
CA1205	Drill Core	216.0	218.0	Acme	SMI12000086	1936088	Drill Core	3.63	0.179	<2	0.3	716	9	10	56	3	17	664	5.69	5	3	29	<0.5	<3	<3	56	1.42	0.12	8	5	1.15	74	0.006	<20	1.7	0.05	0.28	<2	<5	<1	6	2.84	<5	30-Jul-12
CA1205	Drill Core	218.0	220.0	Acme	SMI12000086	1936089	Drill Core	4.15	0.252	<2	0.5	950	4	7	57	2	10	844	5.61	4	2	35	<0.5	<3	<3	49	1.98	0.12	7	4	1.1	97	0.003	<20	1.65	0.04	0.27	<2	<5	<1	6	2.69	<5	30-Jul-12
CA1205	Drill Core	220.0	222.0	Acme	SMI12000086	1936090	Drill Core	3.77	1.111	<2	1.3	1159	6	9	43	3	10	698	6.66	9	2	32	<0.5	<3	<3	37	2	0.11	6	4	0.84	28	0.002	<20	1.43	0.03	0.36	<2	<5	<1	<5	4.81	<5	30-Jul-12
CA1205	Drill Core	222.0	224.0	Acme	SMI12000086	1936091	Drill Core	4.23	0.409	<2	1	1956	4	9	49	3	11	691	6.76	16	3	31	<0.5	<3	<3	44	1.87	0.12	7	3	1.07	25	0.004	<20	1.65	0.04	0.31	<2	<5	<1	6	4.39	<5	30-Jul-12
CA1205	Drill Core	224.0	226.0	Acme	SMI12000086	1936092	Drill Core	4.05	0.291	<2	0.4	1429	10	7	52	3	11	763	4.97	4	<2	38	<0.5	<3	<3	45	2.19	0.11	8	5	1.1	94	0.004	<20	1.72	0.06	0.29	<2	<5	<1	6	2.45	<5	30-Jul-12
CA1205	Drill Core	226.0	228.0	Acme	SMI12000086	1936093	Drill Core	3.80	0.221	<2	0.4	931	12	<3	48	2	10	623	5.35	5	<2	29	<0.5	<3	<3	38	2.01	0.12	6	3	0.98	51	0.002	<20	1.56	0.04	0.32	<2	<5	<1	5	3.44	<5	30-Jul-12
CA1205	Drill Core	228.0	230.0	Acme	SMI12000086	1936094	Drill Core	3.97	0.644	<2	5	434	13	<3	16	3	13	373	6.63	13	2	22	<0.5	<3	<3	16	1.7	0.13	4	3	0.27	16	<0.001	<20	0.86	0.02	0.41	<2	<5	<1	<5	6.59	<5	30-Jul-12
CA1205	Drill Core	230.0	232.0	Acme	SMI12000086	1936095	Drill Core	4.01	0.089	<2	<0.3	71	5	<3	46	1	12	745	5.67	12	<2	49	<0.5	<3	<3	58	3.02	0.17	10	2	1.35	117	0.002	<20	2.16	0.03	0.30	<2	<5	<1	7	2.52	<5	30-Jul-12
CA1205	Drill Core	232.0	234.0	Acme	SMI12000086	1936096	Drill Core	3.90	0.445	<2	1.4	49	8	5	23	7	19	283	9.86	43	<2	21	<0.5	<3	<3	28	1.21	0.12	4	3	0.59	37	0.001	<20	1.12	0.02	0.32	<2	<5	<1	<5	8.64	<5	30-Jul-12
CA1205	Drill Core	234.0	236.0	Acme	SMI12000086	1936097	Drill Core	4.23	0.135	<2	0.5	41	18	<3	3	4	19	165	7.80	14	3	19	<0.5	<3	<3	7	0.98	0.12	3	2	0.05	39	<0.001	<20	0.43	0.01	0.31	<2	<5	<1	<5	8.18	<5	30-Jul-12
CA1205	Drill Core	236.0	238.0	Acme	SMI12000086	1936098	Drill Core	3.58	0.327	<2	1	165	14	4	6	5	19	193	7.80	12	3	18	<0.5	<3	<3	10	1.03	0.12	3	4	0.2	21	<0.001	<20	0.68	0.02	0.37	<2	<5	<1	<5	8.06	<5	30-Jul-12
CA1205	Drill Core	238.0	240.0	Acme	SMI12000086	1936099	Drill Core	3.78	0.152	<2	0.5	186	8	6	5	3	15	222	7.02	5	3	19	<0.5	<3	<3	10	1.3	0.12	4	2	0.23	48	<0.001	<20	0.65	0.01	0.33	<2	<5	<1	<5	7.31	<5	30-Jul-12
CA1205	Std CDN CM-21			Acme	SMI12000086	1936100	Rock Pulp	0.04	0.490	<2	1.1	5370	288	6	45	25	12	419	3.07	4	<2	37	<0.5	<3	<3	55	0.78	0.05	4	28	0.68	112	0.109	<20	1.4	0.09	0.14	18	<5	<1	<5	0.60	<5	30-Jul-12
CA1205	Drill Core	240.0	242.0	Acme	SMI12000086	1936101	Drill Core	3.49	0.332	<2	2.7	580	12	5	24	2	10	380	5.46	9	3	32	0.5	<3	3	11	2.03	0.11	4	2	0.34	11	0.001	<20	0.69	0.02	0.34	<2	<5	<1	<5	5.90	<5	30-Jul-12
CA1205	Drill Core	242.0	244.0	Acme	SMI12000086	1936102	Drill Core	3.84	0.307	<2	1.9	337	14	4	6	2	14	148	5.50	5	3	15	<0.5	<3	4	8	0.92	0.12	3	3	0.19	25	<0.001	<20	0.52	0.02	0.30	<2	<5	<1	<5	6.34	<5	30-Jul-12
CA1205	Drill Core	244.0	246.0	Acme	SMI12000086	1936103	Drill Core	3.19	0.123	<2	0.3	346	15	<3	3	2	18	168	6.00	3	3	17	<0.5	<3	<3	7	1.06	0.11	3	2	0.18	13	<0.001	<20	0.51	0.02	0.30	<2	<5	<1	<5	6.93	<5	30-Jul-12
CA1205	Drill Core	246.0	248.0	Acme	SMI12000086	1936104	Drill Core	3.80	0.094	<2	0.4	349	13	<3	5	1	10	185	4.73	5	3	17	<0.5	<3	<3	9	1.13	0.11	4	2	0.27	26	<0.001	<20	0.61	0.02	0.32	<2	<5	<1	<5	5.41	<5	30-Jul-12
CA1205	Drill Core	248.0	250.0	Acme	SMI12000086	1936105	Drill Core	3.17	0.153	<2	0.5	432	10	<3	3	2	14	128	5.01	4	4	14	<0.5	<3	<3	8	0.94	0.12	2	2	0.21	31	<0.001	<20	0.59	0.01	0.32	<2	<5	<1	<5	5.71	<5	30-Jul-12
CA1205	Drill Core	250.0	252.0	Acme	SMI12000086	1936106	Drill Core	4.20	0.061	<2	<0.3	266	3	<3	24	1	10	560	3.67	<2	2	34	<0.5	<3	<3	42	2.69	0.15	12	2	1.14	111	0.001	<20	1.74	0.03	0.24	<2	<5	<1	<5	1.26	<5	30-Jul-12
CA1205	Drill Core	252.0	254.0	Acme	SMI12000086	1936107	Drill Core	4.33	<0.005	<2	<0.3	27	<1	<3	33	1	10	715	4.10	<2	<2	42	<0.5	<3	<3	61	3.47	0.16	18	5	1.44	84	0.002	<20	2.07	0.03	0.18	<2	<5	<1	<5	<0.05	6	30-Jul-12
CA1205	Drill Core	254.0	256.0	Acme	SMI12000086	1936108	Drill Core	4.38	<0.005	<2	<0.3	8	<1	<3	28	1	9	712	3.86	<2	<2	54	<0.5	<3	<3	60	3.9	0.16	19	4	1.28	311	0.002	<20	1.89	0.04	0.19	<2	<5	<1	<5	<0.05	6	30-Jul-12
CA1205	Drill Core	256.0	258.0	Acme	SMI12000086	1936109	Drill Core	4.54	0.018	<2	<0.3	143	<1	<3	33	<1	9	735	3.82	<2	<2	50	<0.5	<3	<3	60	3.76	0.16	19	2	1.27	123	0.002	<20	1.99	0.03	0.18	<2	<5	<1	6	<0.05	6	30-Jul-12
CA1205	Drill Core	258.0	260.0	Acme	SMI12000086	1936110	Drill Core	4.19	0.005	<2	<0.3	199	<1	<3	37	<1	8	775	4.00	<2	<2	61	<0.5	<3	<3	65	3.92	0.18	15	1	1.26	671	0.003	<20	2.09	0.04	0.16	<2	<5	<1	8	<0.05	7	30-Jul-12
CA1205	Drill Core	260.0	262.0	Acme	SMI12000086	1936111	Drill Core	4.48	0.006	<2	<0.3	58	1	<3	40	<1	9	747	4.23	<2	2	68	<0.5	<3	<3	49	3.52	0.15	18	2	1.34	656	0.002	<20	2.17	0.03	0.20	<2	<5	<1	8	<0.05	5	30-Jul-12
CA1205	Drill Core	262.0	264.0	Acme	SMI12000086	1936112	Drill Core	4.60	<0.005	<2	<0.3	28	<1	<3	36	<1	9	792	3.76	<2	2	86	<0.5	<3	<3	58	3.86	0.16	19	3	1.34	1193	0.002	<20	2.04	0.03	0.18	<2	<5	<1	7	<0.05	6	30-Jul-12
CA1205	Drill Core	264.0	266.0	Acme	SMI12000086	1936113	Drill Core	4.29	0.251	<2	0.9	484	6	<3	33	1	10	561	5.86	13	3	24	<0.5	<3	3	32	1.81	0.12	8	2	1.06	26	0.001	<20	1.49	0.02	0.25	<2	<5	<1	6	4.67	<5	30-Jul-12
CA1205	Drill Core	266.0	268.0	Acme	SMI12000086	1936114	Drill Core	4.56	0.293	<2	0.7	590	14	<3	43	2	9	611	6.17	19	2	24	<0.5	<3	5	37	1.71	0.11	6	3	1.27	21	0.002	<20	1.69	0.02	0.26	<2	<5	<1	<5	4.74	<5	30-Jul-12
CA1205	Drill Core	268.0	270.0	Acme	SMI12000086	1936115	Drill Core	4.39	0.181	<2	0.4	444	10	<3	53	17	11	751	5.14	6	3	30	<0.5	<3	5	59	1.95	0.11	6	21	2.13	63	0.002	<20	2.4	0.03	0.20	<2	<5	<1	9	2.50	<5	30-Jul-12
CA1205	Drill Core	270.0	272.0	Acme	SMI12000086	1936116	Drill Core	4.32	0.181	<2	0.5	317	8	<3	33	27	14	755	5.77	13	<2	33	<0.5	<3	3	46	2.76	0.11	5	32	1.54	51	0.001	<20	1.91	0.02	0.26	<2	<5	<1	5	4.38	<5	30-Jul-12
CA1205	Drill Core	272.0	274.0	Acme	SMI12000086	1936117	Drill Core	3.78	0.250	<2	<0.3	510	9	<3	25	6	15	680	6.87	14	<2	23	<0.5	<3	3	27	2.49	0.10	4	3	1.09	20	0.004	<20	1.61	0.01	0.37	<2	<5	<1	<5	5.97	<5	30-Jul-12
CA1205	Drill Core	274.0	276.0	Acme	SMI12000086	1936118	Drill Core	4.58	0.056	<2	<0.3	88	2	<3	51	6	22	1043	5.22	16	<2	51	<0.5	<3	<3	99	2.79	0.16	10	9	1.95	72	0.145	<20	2.52	0.04	0.16	<2	<5	<1	10	1.54	7	30-Jul-12
CA1205	Drill Core	276.0	278.0	Acme	SMI12000086	1936119	Drill Core	3.97	0.006	<2	<0.3	78	<1	<3	64	7	15	1149	4.67	3	<2	49	<0.5	<3	<3	115	2.76	0.17	12	14	2.39	217	0.144	<20	2.76	0.05	0.03	<2	<5	<1	13	0.10	7	30-Jul-12
CA1205	Drill Core	278.0	280.0	Acme	SMI12000086	1936120	Drill Core	4.40	0.013	<2	<0.3	38	2	<3	48	9	16	946	4.49	8	<2	40	<0.5	<3	<3	104	2.63	0.14	8	18	2.02	110	0.153	<20	2.46	0.04	0.14	<2	<5	<1	10	1.17	7	30-Jul-12
CA1205	Drill Core	280.0	282.0	Acme	SMI12000086	1936121	Drill Core	2.98	0.159	<2	<0.3	135	3	3	33	8	13	617	5.41	17	<2	19	<0.5	<3	<3	42	1.47	0.11	2	4	1.38	47	0.015	<20	1.92	0.02	0.33	<2	<5	<1	6	3.51	<5	30-Jul-12
CA1205	Drill Core	282.0	284.0	Acme	SMI12000086	1936122	Drill Core	4.00	0.228	<2	0.4	169	11	5	46	6	24	678	6.84	25	<2	26	<0.5	<3	<3	56	1.61	0.13	4	3	1.36	14	0.007	<20	1.99	0.03	0.28	<2	<5	<1	5	4.64	<5	30-Jul-12
CA1205	Drill Core	284.0	286.0	Acme	SMI12000086	1936123	Drill Core	3.59	0.226	<2	0.9	154	5	4	63	4	12	1100	6.48	23	<2	32	<0.5	<3	7	66	3.08	0.14	7	5	1.58	48	0.004	<20	2.13	0.03	0.21	<2	<5	<1	8	3.94	<5	30-Jul-12
CA1205	Drill Core	286.0	288.0	Acme	SMI12000086	1936124	Drill Core	3.24	0.224	<2	0.7	425	20	15	87	9	25	869	7.97	32	<2	21	0.6	<3	7	64	1.93	0.11	4	8	1.52	44	0.009	<20	2.28	0.02	0.28	<2	<5	<1	9	4.92	<5	30-Jul-12
CA1205	Blank			Acme	SMI12000086	1936125	Rock	0.72	<0.005	<2	<0.3	<1	<1	<3	<1	<1	<1	24	0.03	<2	<2	4418	<0.5	<3	<3	2	36.02	0.00	<1	<1	1.52	<1	<0.001	<20	0.04	<0.01	<0.01	<2	<5	<1	<5	<0.05	<5	30-Jul-12
CA1205	Drill Core	288.0	290.0	Acme	SMI12000086	1936126	Drill Core	4.82	0.016	<2	<0.3	37	<1	<3	95	17	22	1443	6.26	<2	<2	34	<0.5	<3	<3	136	3.87	0.15	11	20	2.57	160	0.056	<20	3.28	0.03	0.15	<2	<5	<1	14	0.10	9	30-Jul-12
CA1205	Drill Core	290.0	292.0	Acme	SMI12000086	1936127	Drill Core	4.12	0.006	<2	<0.3	44	<1	<3	87	16	21	1457	5.87	4	<2	58	<0.5	<3	<3	126	4.41	0.14	10	19	2.5	254	0.032	<20	3.19	0.03	0.17	<2	<5	<1	12	<0.05	9	30-Jul-12
CA1205	Drill Core	292.0	294.0	Acme	SMI12000086	1936128	Drill Core	3.34	0.354	<2	1.1	599	8	<3	54	7	17	822	6.28	6	<2	25	<0.5	<3	5	82	2.37	0.11	5	8	1.77	24	0.002	<20	2.21	0.02	0.18	<2	<5	<1	8	3.62	<5	30-Jul-12
CA1205	Drill Core	294.0	296.0	Acme	SMI12000086	1936129	Drill Core	4.30	0.280	<2	1	440	9	<3	37	7	18	764	6.21	6	<2	34	<0.5	<3	3	45	2.95	0.10	4	3	1.18	28	0.001	<20	1.73	0.02	0.29	<2	<5	<1	<5	4.74	<5	30-Jul-12
CA1205	Drill Core	296.0	298.0	Acme	SMI12000086	1936130	Drill Core	4.07	0.147	<2	0.6	339	4	<3	59	6	17	864	5.40	6	<2	27	<0.5	<3	<3	70	2.47	0.12	6	7	1.59	68	0.016	<20	2.12	0.03	0.20	<2	<5	<1	8	2.68	<5	30-Jul-12
CA1205	Drill Core	298.0	300.0	Acme	SMI12000086	1936131	Drill Core	3.43	0.307	<2	0.6	552	11	20	67	7	14	865	5.91	8	<2	27	<0.5	<3	3	86	1.71	0.14	6	6	1.96	22	0.012	<20	2.41	0.03	0.19	<2	<5	<1	12	2.61	5	30-Jul-12
CA1205	Drill Core	300.0	302.0	Acme	SMI12000086	1936132	Drill Core	4.66	0.300	<2	0.3	400	22	8	72	24	19	1081	6.39	4	<2	44	<0.5	<3	<3	81	3.14	0.09	4	53	2.16	22	0.059	<20	2.74	0.02	0.23	<2	<5	<1	8	2.61	6	30-Jul-12
CA1205	Drill Core	302.0	304.0	Acme	SMI12000086	1936133	Drill Core	3.94	<0.005	<2	<0.3	17	<1	6	77	47	26	1230	4.96	<2	<2	120	<0.5	<3	<3	123	5.3	0.07	5	101	2.84	80	0.162	<20	3.63	0.17	0.16	<2	<5	<1	15	0.08	11	30-Jul-12
CA1205	Drill Core	304.0	306.0	Acme	SMI12000086	1936134	Drill Core	4.86	0.006	<2	<0.3	21	<1	<3	52	45	25	964	4.96	<2	<2	158	<0.5	<3	<3	135	4.38	0.08	5	89	2.58	42	0.210	<20	4.28	0.28	0.11	<2	<5	<1	16	0.13	10	30-Jul-12
CA1205	Drill Core	306.0	308.0	Acme	SMI12000086	1936135	Drill Core	3.73	0.067	<2	<0.3	127	<1	<3	46	44	23	782	4.12	4	<2	165	<0.5	<3	<3	100	3.95	0.07	4	76	2.42	47	0.162	<20	4.69	0.33	0.15	<2	<5	<1	16	0.25	6	30-Jul-12
CA1205	Drill Core	308.0	310.0	Acme	SMI12000086	1936136	Drill Core	4.02	0.272	<2	0.3	583	17	11	55	9	18	683	5.21	10	<2	30	<0.5	<3	<3	106	1.12	0.11	3	9	1.81	89	0.080	<20	2.41	0.04	0.31	<2	<5	<1	9	1.81	8	30-Jul-12
CA1205	Drill Core	310.0	312.0	Acme	SMI12000086	1936137	Drill Core	3.67	0.145	<2	<0.3	300	2	11	66	27	23	1008	5.56	6	<2	34	<0.5	<3	<3	114	2.13	0.08	4	67	2.71	57	0.194	<20	3.04	0.05	0.25	3	<5	<1	10	1.45	9	30-Jul-12
CA1205	Drill Core	312.0	314.0	Acme	SMI12000086	1936138	Drill Core	4.67	<0.005	<2	<0.3	29	<1	12	81	22	28	1241	4.97	<2	<2	62	<0.5	<3	<3	140	3.38	0.13	7	74	2.95	17	0.232	<20	3.08	0.05	0.06	<2	<5	<1	13	0.11	12	30-Jul-12

All assays ppm except Ca, Fe, K, Na, Mg, P, S, Ti in %

hole_id	Material	FROM	TO	Lab	Job	Sample	Type	Wgt	Au-fa	Au	Ag	Cu	Mo	Pb	Zn	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc	Date
CA1205	Drill Core	314.0	316.0	Acme	SMI12000086	1936139	Drill Core	4.29	0.007	<2	<0.3	43	<1	10	70	33	27	1130	4.82	4	<2	71	<0.5	<3	<3	149	3.17	0.09	5	87	2.97	44	0.260	<20	3.39	0.11	0.17	<2	<5	1	15	0.49	12	30-Jul-12
CA1205	Drill Core	316.0	318.0	Acme	SMI12000086	1936140	Drill Core	3.70	0.077	<2	<0.3	240	6	8	40	6	17	730	5.22	6	<2	23	<0.5	<3	<3	110	0.94	0.11	3	9	2.11	89	0.131	<20	2.42	0.07	0.18	<2	<5	<1	11	1.71	9	30-Jul-12
CA1205	Drill Core	318.0	320.0	Acme	SMI12000086	1936141	Drill Core	4.20	0.182	<2	0.6	1182	9	10	49	5	16	682	6.30	5	<2	13	<0.5	<3	<3	78	0.53	0.11	3	3	1.87	103	0.071	<20	2.35	0.04	0.27	<2	<5	<1	7	3.51	5	30-Jul-12
CA1205	Drill Core	320.0	322.0	Acme	SMI12000086	1936142	Drill Core	4.43	0.172	<2	<0.3	302	9	15	61	6	16	713	5.76	8	<2	15	<0.5	<3	<3	96	0.64	0.11	3	5	2.01	54	0.053	<20	2.61	0.05	0.26	<2	<5	<1	9	2.38	6	30-Jul-12
CA1205	Drill Core	322.0	324.0	Acme	SMI12000086	1936143	Drill Core	3.90	0.087	<2	<0.3	241	2	13	68	21	25	898	5.70	11	<2	41	<0.5	<3	<3	102	2.44	0.11	5	59	2.3	45	0.101	<20	2.76	0.04	0.24	<2	<5	<1	12	1.90	9	30-Jul-12
CA1206	Drill Core	6.5	8.0	Acme	SMI12000086	1936144	Drill Core	3.36	0.092	<2	0.9	168	7	9	10	2	23	794	3.98	26	<2	39	<0.5	<3	<3	18	2.64	0.12	6	3	0.35	83	<0.001	<20	0.88	0.01	0.31	<2	<5	<1	<5	3.56	<5	30-Jul-12
CA1206	Drill Core	8.0	10.0	Acme	SMI12000086	1936145	Drill Core	4.12	0.070	<2	0.4	163	1	10	16	<1	20	761	2.74	15	3	65	<0.5	<3	<3	22	2.44	0.12	8	2	0.47	59	<0.001	<20	0.96	0.02	0.33	<2	<5	<1	<5	2.06	<5	30-Jul-12
CA1206	Drill Core	10.0	12.0	Acme	SMI12000086	1936146	Drill Core	4.44	0.116	<2	1.5	104	<1	12	10	1	35	1187	4.73	30	<2	75	<0.5	<3	<3	14	3.22	0.11	7	2	0.43	18	<0.001	<20	0.85	<0.01	0.31	<2	<5	<1	<5	4.50	<5	30-Jul-12
CA1206	Drill Core	12.0	14.0	Acme	SMI12000086	1936147	Drill Core	5.03	0.214	<2	0.9	285	4	14	11	<1	50	1039	5.53	36	2	49	<0.5	<3	<3	11	3.22	0.10	7	2	0.32	73	<0.001	<20	0.79	0.01	0.33	<2	<5	<1	<5	5.60	<5	30-Jul-12
CA1206	Drill Core	14.0	16.0	Acme	SMI12000086	1936148	Drill Core	4.21	0.060	<2	<0.3	53	<1	11	37	<1	21	918	3.03	23	3	78	<0.5	<3	<3	30	2.64	0.12	9	2	0.65	214	<0.001	<20	1.22	0.02	0.36	<2	<5	<1	<5	1.40	<5	30-Jul-12
CA1206	Drill Core	16.0	18.0	Acme	SMI12000086	1936149	Drill Core	4.42	0.006	<2	<0.3	36	2	10	68	21	16	1006	4.51	3	<2	62	<0.5	<3	<3	59	2.97	0.18	16	30	2	311	0.002	<20	2.45	0.03	0.23	<2	<5	1	8	0.32	<5	30-Jul-12
CA1206	Std CDN CM-22			Acme	SMI12000086	1936150	Rock Pulp	0.08	0.791	<2	1.2	9475	185	11	40	24	12	515	3.71	4	<2	72	<0.5	<3	<3	52	1.01	0.05	8	29	0.69	113	0.097	<20	1.41	0.10	0.21	11	<5	<1	6	1.26	<5	30-Jul-12
CA1206	Drill Core	18.0	20.0	Acme	SMI12000086	1936151	Drill Core	4.29	<0.005	<2	<0.3	13	<1	13	65	6	17	937	4.83	<2	<2	64	<0.5	<3	<3	98	2.78	0.17	18	17	2.67	351	0.004	<20	2.95	0.04	0.19	<2	<5	<1	10	<0.05	7	30-Jul-12
CA1206	Drill Core	20.0	22.0	Acme	SMI12000086	1936152	Drill Core	4.02	1.113	<2	0.5	314	5	10	24	1	26	1786	4.84	13	<2	121	<0.5	<3	3	22	5.36	0.10	7	2	0.68	49	0.001	<20	1.18	0.01	0.35	<2	<5	<1	<5	3.97	<5	30-Jul-12
CA1206	Drill Core	22.0	24.0	Acme	SMI12000086	1936153	Drill Core	3.94	0.396	<2	<0.3	680	4	8	23	<1	9	1581	3.24	6	3	128	<0.5	<3	<3	19	4.64	0.10	9	2	0.49	141	0.001	<20	1.18	0.02	0.38	<2	<5	<1	<5	1.83	<5	30-Jul-12
CA1206	Drill Core	24.0	26.0	Acme	SMI12000086	1936154	Drill Core	4.28	1.972	<2	1.4	233	62	12	15	2	27	577	4.33	14	<2	48	<0.5	<3	<3	13	2.15	0.11	6	<1	0.28	68	<0.001	<20	0.86	0.02	0.38	<2	<5	<1	<5	4.15	<5	30-Jul-12
CA1206	Drill Core	26.0	28.0	Acme	SMI12000086	1936155	Drill Core	4.33	0.254	<2	0.5	260	<1	8	22	2	24	694	4.66	10	3	41	<0.5	<3	<3	24	2.13	0.12	6	2	0.59	44	<0.001	<20	1.07	0.02	0.34	<2	<5	<1	<5	4.15	<5	30-Jul-12
CA1206	Drill Core	28.0	30.0	Acme	SMI12000086	1936156	Drill Core	4.73	0.305	<2	0.4	148	<1	9	25	<1	9	1074	3.62	13	3	78	<0.5	<3	5	31	2.89	0.12	8	3	0.78	86	<0.001	<20	1.28	0.02	0.32	<2	<5	1	<5	2.21	<5	30-Jul-12
CA1206	Drill Core	30.0	32.0	Acme	SMI12000086	1936157	Drill Core	3.98	0.764	<2	<0.3	98	<1	13	33	<1	16	849	3.46	11	3	75	<0.5	<3	<3	42	2.38	0.12	7	3	0.91	80	0.001	<20	1.39	0.03	0.31	<2	<5	<1	<5	2.08	<5	30-Jul-12
CA1206	Drill Core	32.0	34.0	Acme	SMI12000086	1936158	Drill Core	4.20	0.181	<2	<0.3	70	<1	9	35	<1	6	1033	3.14	8	3	85	<0.5	<3	<3	39	2.83	0.11	8	3	0.95	277	0.001	<20	1.4	0.03	0.27	<2	<5	1	<5	1.19	<5	30-Jul-12
CA1206	Drill Core	34.0	36.0	Acme	SMI12000086	1936159	Drill Core	4.50	0.300	<2	0.7	159	<1	11	37	<1	10	916	3.99	8	3	64	<0.5	<3	<3	42	2.35	0.12	8	2	0.91	115	0.001	<20	1.35	0.03	0.29	<2	<5	<1	<5	2.14	<5	30-Jul-12
CA1206	Drill Core	36.0	38.0	Acme	SMI12000086	1936160	Drill Core	4.37	0.442	<2	0.6	123	<1	12	31	8	11	994	4.59	10	<2	68	<0.5	<3	4	44	3.1	0.14	9	13	1.06	79	0.001	<20	1.64	0.02	0.32	<2	<5	<1	5	2.40	<5	30-Jul-12
CA1206	Drill Core	38.0	40.0	Acme	SMI12000086	1936161	Drill Core	4.48	0.138	<2	<0.3	113	<1	7	37	9	13	1003	3.87	8	<2	79	<0.5	<3	<3	51	3.36	0.14	9	15	1.3	513	0.002	<20	1.88	0.03	0.28	<2	<5	<1	5	0.90	<5	30-Jul-12
CA1206	Drill Core	40.0	42.0	Acme	SMI12000086	1936162	Drill Core	4.13	0.187	<2	<0.3	312	<1	9	39	<1	7	852	3.11	9	3	77	<0.5	<3	<3	34	2.89	0.11	7	2	0.84	199	<0.001	<20	1.29	0.03	0.26	<2	<5	<1	<5	1.33	<5	30-Jul-12
CA1206	Drill Core	42.0	44.0	Acme	SMI12000086	1936163	Drill Core	4.55	0.436	<2	<0.3	126	<1	<3	34	2	9	807	3.56	11	3	54	<0.5	<3	3	38	2.55	0.12	7	2	0.93	75	<0.001	<20	1.4	0.03	0.31	<2	<5	<1	<5	2.06	<5	30-Jul-12
CA1206	Drill Core	44.0	46.0	Acme	SMI12000086	1936164	Drill Core	4.10	0.127	<2	<0.3	77	<1	6	43	<1	7	699	2.96	5	3	59	<0.5	<3	<3	48	2.23	0.12	8	4	1	506	0.009	<20	1.41	0.05	0.24	<2	<5	<1	<5	0.85	<5	30-Jul-12
CA1205	Drill Core	320.0	322.0	Acme	SMI12000086	1936142	PD	4.43	0.172	<2	<0.3	302	9	15	61	6	16	713	5.76	8	<2	15	<0.5	<3	<3	96	0.64	0.11	3	5	2.01	54	0.053	<20	2.61	0.05	0.26	<2	<5	<1	9	2.38	6	30-Jul-12
CA1205	Drill Core	320.0	322.0	Acme	SMI12000086	1936142	REP		0.164																																			30-Jul-12
CA1205	Drill Core	294.0	296.0	Acme	SMI12000086	1936129	PD	4.30	0.280	<2	1	440	9	<3	37	7	18	764	6.21	6	<2	34	<0.5	<3	3	45	2.95	0.10	4	3	1.18	28	0.001	<20	1.73	0.02	0.29	<2	<5	<1	<5	4.74	<5	30-Jul-12
CA1205	Drill Core	294.0	296.0	Acme	SMI12000086	1936129	REP		0.268																																			30-Jul-12
CA1206	Drill Core	44.0	46.0	Acme	SMI12000086	1936164	PD	4.10	0.127	<2	<0.3	77	<1	6	43	<1	7	699	2.96	5	3	59	<0.5	<3	<3	48	2.23	0.12	8	4	1	506	0.009	<20	1.41	0.05	0.24	<2	<5	<1	<5	0.85	<5	30-Jul-12
CA1206	Drill Core	44.0	46.0	Acme	SMI12000086	1936164	REP		0.124																																			30-Jul-12
CA1205	Drill Core	236.0	238.0	Acme	SMI12000086	1936098	PD	3.58	0.327	<2	1	165	14	4	6	5	19	193	7.80	12	3	18	<0.5	<3	<3	10	1.03	0.12	3	4	0.2	21	<0.001	<20	0.68	0.02	0.37	<2	<5	<1	<5	8.06	<5	30-Jul-12
CA1205	Drill Core	236.0	238.0	Acme	SMI12000086	1936098	REP		0.310																																			30-Jul-12
CA1206	Drill Core	36.0	38.0	Acme	SMI12000086	1936160	PD	4.37	0.442	<2	0.6	123	<1	12	31	8	11	994	4.59	10	<2	68	<0.5	<3	4	44	3.1	0.14	9	13	1.06	79	0.001	<20	1.64	0.02	0.32	<2	<5	<1	5	2.40	<5	30-Jul-12
CA1206	Drill Core	36.0	38.0	Acme	SMI12000086	1936160	REP			<2	0.6	124	<1	10	30	7	11	1006	4.69	11	<2	70	<0.5	<3	4	43	3.18	0.13	9	13	1.09	87	0.001	<20	1.66	0.02	0.33	<2	<5	<1	<5	2.45	<5	30-Jul-12
CA1205	Blank			Acme	SMI12000086	1936125	PD	0.72	<0.005	<2	<0.3	<1	<1	<3	<1	<1	<1	24	0.03	<2	<2	4418	<0.5	<3	<3	2	36.02	0.00	<1	<1	1.52	<1	<0.001	<20	0.04	<0.01	<0.01	<2	<5	<1	<5	<0.05	<5	30-Jul-12
CA1205	Blank			Acme	SMI12000086	1936125	REP			<2	<0.3	<1	<1	<3	<1	<1	<1	26	0.05	<2	<2	4358	<0.5	<3	<3	2	36.02	0.00	<1	<1	1.53	<1	<0.001	<20	0.05	<0.01	<0.01	<2	<5	<1	<5	<0.05	<5	30-Jul-12
CA1205	Drill Core	218.0	220.0	Acme	SMI12000086	1936089	PD	4.15	0.252	<2	0.5	950	4	7	57	2	10	844	5.61	4	2	35	<0.5	<3	<3	49	1.98	0.12	7	4	1.1	97	0.003	<20	1.65	0.04	0.27	<2	<5	<1	6	2.69	<5	30-Jul-12
CA1205	Drill Core	218.0	220.0	Acme	SMI12000086	1936089	REP			<2	0.5	945	4	10	56	2	10	837	5.52	5	<2	34	<0.5	<3	<3	48	1.94	0.11	7	4	1.08	83	0.002	<20	1.65	0.04	0.27	<2	<5	<1	6	2.68	<5	30-Jul-12
CA1205	Drill Core	188.0	190.0	Acme	SMI12000086	1936073	PREP	3.90	0.619	<2	0.8	1314	9	6	33	2	11	475	5.75	14	3	22	<0.5	<3	<3	40	1.37	0.11	7	5	0.88	54	0.002	<20	1.41	0.03	0.30	<2	<5	<1	5	3.76	<5	30-Jul-12
CA1205	Drill Core	188.0	190.0	Acme	SMI12000086	1936073	DUP	<0.01	0.615	<2	0.9	1427	9	6	33	3	11	478	6.06	16	3	22	<0.5	<3	<3	40	1.39	0.11	7	4	0.9	42	0.002	<20	1.41	0.03	0.31	<2	<5	<1	<5	4.02	<5	30-Jul-12
CA1205	Drill Core	252.0	254.0	Acme	SMI12000086	1936107	PREP	4.33	<0.005	<2	<0.3	27	<1	<3	33	1	10	715	4.10	<2	<2	42	<0.5	<3	<3	61	3.47	0.16	18	5	1.44	84	0.002	<20	2.07	0.03	0.18	<2	<5	<1	<5	<0.05	6	30-Jul-12
CA1205	Drill Core	252.0	254.0	Acme	SMI12000086	1936107	DUP	<0.01	<0.005	<2	<0.3	29	<1	<3	33	1	10	717	4.07	<2	<2	42	<0.5	<3	<3	61	3.43	0.16	18	4	1.46	81	0.002	<20	2.07	0.03	0.18	<2	<5	<1	6	<0.05	6	30-Jul-12
CA1205	Drill Core	318.0	320.0	Acme	SMI12000086	1936141	PREP	4.20	0.182	<2	0.6	1182	9	10	49	5	16	682	6.30	5	<2	13	<0.5	<3	<3	78	0.53	0.11	3	3	1.87	103	0.071	<20	2.35	0.04	0.27	<2	<5	<1	7	3.51	5	30-Jul-12
CA1205	Drill Core	318.0	320.0	Acme	SMI12000086	1936141	DUP	<0.01	0.196	<2	0.5	1193	9	9	49	5	17	676	6.29	8	<2	13	<0.5	<3	<3	80	0.54	0.11	3	4	1.86	106	0.070	<20	2.39	0.04	0.29	<2	<5	<1	8	3.49	5	30-Jul-12
CA1206	Drill Core	46.0	48.0	Acme	SMI12000104	1936165	Drill Core	3.99	0.264	<2	<0.3	85	<1	6	47	2	8	643	3.38	8	4	49	0.9	<3	<3	44	2.11	0.13	9	4	1	237	0.007	<20	1.43	0.04	0.25	<2	<5	<1	<5	1.57	<5	30-Jul-12
CA1206	Drill Core	48.0	50.0	Acme	SMI12000104	1936166	Drill Core	4.36	0.113	<2	<0.3	84	<1	7	58	2	9	748	3.68	15	4	71	0.8	<3	<3	56	2.22	0.14	9	4	1.24	344	0.017	<20	1.67	0.05	0.22	<2	<5	<1	<5	1.19	<5	30-Jul-12
CA1206	Drill Core	50.0	52.0	Acme	SMI12000104	1936167	Drill Core	4.04	0.131	<2	<0.3	139	<1	<3	53	2	8	776	3.50	8	4	80	0.8	<3	<3	56	2.58	0.14	9	3	1.08	587	0.015	<20	1.55	0.05	0.25	<2	<5	<1	<5	0.90	<5	30-Jul-12
CA1206	Drill Core	52.0	54.0	Acme	SMI12000104	1936168	Drill Core	4.07	0.141	<2	<0.3	115	<1	<3	52	2	9	766	3.43	11	4	73	0.6	<3	<3	50	2.65	0.13	10	3	1.09	283	0.007	<20	1.56	0.05	0.27	<2	<5	<1	5	1.22	<5	30-Jul-12
CA1206	Drill Core	54.0	56.0	Acme	SMI12000104	1936169	Drill Core	4.27	0.349	<2	<0.3	371	<1	<3	40	2	16	812	3.53	12	3	85	0.8	<3	5	51	3.24	0.13	10	3	1.04	37	0.004	<20	1.44	0.04	0.27	<2	<5	<1	<5	1.77	<5	30-Jul-12
CA1206	Drill Core	56.0	58.0	Acme	SMI12000104	1936170	Drill Core	4.50	0.819	<2	<0.3	155	1	4	41	2	22	694	3.63	17	4	86	0.8	<3	<3	57	2.91	0.13	10	3	1.02	54	0.003	<20	1.42	0.04	0.30	<2	<5	<1	6	1.64	<5	30-Jul-12
CA1206	Drill Core	58.0	60.0	Acme	SMI12000104	1936171	Drill Core	4.17	0.650	<2	<0.3	342	1	3	38	2	70	612	5.17	24	3	38	0.9	<3	<3	48	2.15	0.13	8	5	1.02	39	0.001	<20	1.41	0.04	0.32	<2	<5	<1	5	4.11	<5	30-Jul-12
CA1206	Drill Core	60.0	62.0	Acme	SMI12000104	1936172	Drill Core	4.41	0.387	<2	<0.3	246	<1	8	50	4	23	1075	4.53	54	3	84	0.9	<3	<3	78	4.68	0.13	11	11	1.51	219	0.001	<20	2.12	0.03	0.27	<2	<5	<1	6	1.62	7	30-Jul-12
CA1206	Drill Core	62.0	64.0	Acme	SMI12000104	1936173	Drill Core	4.26	0.005	<2	<0.3	9	<1	5	77	9	20	1224	4.73	3	<2	102	1.1	<3	<3	124	4.94	0.11	11	23	2.24	344	0.036	<20	2.55	0.02	0.29	<2	<5	<1	5	<0.05	10	30-Jul-12
CA1206	Drill Core	64.0	66.0	Acme	SMI12000104	1936174	Drill Core	1.83	0.247	<2	<0.3	627	4	5	61	4	13	1039	5.03	8	4	43	1	<3	<3	61	2.53	0.12	9	9	1.21	73	0.005	<20	1.84	0.03	0.29	<2	<5	<1	7	1.95	<5	30-Jul-12
CA1206	Dup			Acme	SMI12000104	1936175	Drill Core	2.02	0.250	<2	<0.3	679	4	8	67	5	12	1117	5.19	10	3	49	0.9	<3	<3	66	2.64	0.13	10	10	1.29	113	0.008	<20	1.92	0.03	0.28	<2	<5	<1	6	1.60	5	30-Jul-12

All assays ppm except Ca, Fe, K, Na, Mg, P, S, Ti in %

hole_id	Material	FROM	TO	Lab	Job	Sample	Type	Wgt	Au-fa	Au	Ag	Cu	Mo	Pb	Zn	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc	Date
CA1206	Drill Core	66.0	68.0	Acme	SMI12000104	1936176	Drill Core	4.18	0.632	<2	1.4	1691	5	13	32	3	27	759	7.97	16	<2	66	1.2	4	11	33	2.22	0.12	5	4	0.62	7	0.002	<20	1.11	0.02	0.34	<2	<5	<1	<5	6.97	<5	30-Jul-12
CA1206	Drill Core	68.0	70.0	Acme	SMI12000104	1936177	Drill Core	3.82	0.305	<2	0.6	925	5	4	73	2	9	1053	4.84	10	3	52	1	<3	4	70	2.12	0.13	8	5	1.12	170	0.018	<20	1.64	0.05	0.25	<2	<5	<1	8	1.41	6	30-Jul-12
CA1206	Drill Core	70.0	72.0	Acme	SMI12000104	1936178	Drill Core	4.01	0.454	<2	0.5	1233	6	<3	58	2	12	1012	5.64	9	3	40	1.1	3	<3	53	2.5	0.12	8	4	0.91	94	0.008	<20	1.5	0.04	0.30	<2	<5	<1	<5	2.86	<5	30-Jul-12
CA1206	Drill Core	72.0	74.0	Acme	SMI12000104	1936180	Drill Core	3.61	0.175	<2	<0.3	698	5	5	75	2	8	1170	4.35	7	4	65	0.9	<3	<3	66	2.61	0.13	9	3	1.03	821	0.038	<20	1.63	0.04	0.22	<2	<5	<1	5	0.63	6	30-Jul-12
CA1206	Drill Core	74.0	76.0	Acme	SMI12000104	1936181	Drill Core	3.88	0.128	<2	<0.3	493	8	9	69	2	9	1103	3.83	7	3	72	0.8	<3	<3	59	2.53	0.12	11	3	1	332	0.035	<20	1.57	0.05	0.23	<2	<5	<1	5	0.70	6	30-Jul-12
CA1206	Drill Core	76.0	78.0	Acme	SMI12000104	1936182	Drill Core	4.74	0.205	<2	<0.3	466	8	8	34	2	35	845	7.15	14	2	47	0.9	<3	<3	38	2.53	0.11	6	4	0.67	9	0.004	<20	1.18	0.02	0.33	<2	<5	<1	<5	6.10	<5	30-Jul-12
CA1206	Drill Core	78.0	80.0	Acme	SMI12000104	1936183	Drill Core	3.87	0.253	<2	<0.3	318	8	5	26	2	31	672	5.85	18	3	33	0.7	<3	<3	30	1.69	0.12	6	3	0.72	12	0.001	<20	1.1	0.03	0.32	<2	<5	<1	<5	5.72	<5	30-Jul-12
CA1206	Drill Core	80.0	82.0	Acme	SMI12000104	1936184	Drill Core	3.86	0.251	<2	<0.3	758	11	6	49	2	10	809	4.73	6	3	40	0.6	<3	<3	52	2.17	0.12	8	4	0.85	75	0.004	<20	1.28	0.04	0.29	<2	<5	<1	<5	2.85	<5	30-Jul-12
CA1206	Drill Core	82.0	84.0	Acme	SMI12000104	1936185	Drill Core	3.66	0.271	<2	<0.3	279	8	8	53	3	50	904	6.24	11	3	54	0.9	<3	4	42	2.7	0.12	6	6	0.95	13	0.001	<20	1.4	0.03	0.34	<2	<5	<1	<5	4.87	<5	30-Jul-12
CA1206	Drill Core	84.0	86.0	Acme	SMI12000104	1936186	Drill Core	4.15	0.209	<2	<0.3	249	5	7	44	2	31	1034	4.75	12	3	57	0.7	<3	<3	33	3.37	0.13	8	4	0.81	42	0.001	<20	1.3	0.02	0.37	<2	<5	<1	<5	3.97	<5	30-Jul-12
CA1206	Drill Core	86.0	88.0	Acme	SMI12000104	1936187	Drill Core	4.73	0.356	<2	0.4	272	4	8	41	2	11	775	6.77	9	3	31	0.7	<3	<3	38	2.17	0.13	7	5	0.78	65	0.002	<20	1.24	0.01	0.35	<2	<5	<1	<5	5.67	<5	30-Jul-12
CA1206	Drill Core	88.0	90.0	Acme	SMI12000104	1936188	Drill Core	4.42	0.206	<2	<0.3	326	3	10	50	2	11	977	4.57	9	4	42	0.5	<3	3	49	2.71	0.13	8	3	1.03	145	0.004	<20	1.49	0.02	0.34	<2	<5	<1	<5	2.76	<5	30-Jul-12
CA1206	Drill Core	90.0	92.0	Acme	SMI12000104	1936189	Drill Core	3.55	0.161	<2	<0.3	217	3	5	60	2	10	1035	4.20	7	3	43	<0.5	<3	<3	58	2.6	0.13	8	4	1.16	262	0.004	<20	1.61	0.03	0.28	<2	<5	<1	5	1.31	<5	30-Jul-12
CA1206	Drill Core	92.0	94.0	Acme	SMI12000104	1936190	Drill Core	4.50	0.138	<2	<0.3	179	5	5	60	1	11	1204	3.76	6	3	38	0.5	<3	<3	45	2.82	0.13	8	3	1.18	175	0.001	<20	1.59	0.02	0.27	<2	<5	<1	<5	1.30	<5	30-Jul-12
CA1206	Drill Core	94.0	96.0	Acme	SMI12000104	1936191	Drill Core	4.59	0.658	<2	1.1	250	6	25	15	6	12	667	13.36	23	3	35	1.2	<3	5	17	2.67	0.10	5	5	0.35	7	<0.001	<20	0.68	0.01	0.27	<2	<5	<1	<5	>10.00	<5	30-Jul-12
CA1206	Drill Core	96.0	98.0	Acme	SMI12000104	1936192	Drill Core	4.51	0.165	<2	<0.3	254	3	9	34	2	63	699	5.75	25	2	24	0.5	<3	<3	28	1.8	0.13	6	3	0.74	50	<0.001	<20	1.09	<0.01	0.26	<2	<5	<1	<5	5.36	<5	30-Jul-12
CA1206	Drill Core	98.0	100.0	Acme	SMI12000104	1936193	Drill Core	4.26	0.271	<2	0.3	102	4	5	37	1	27	948	4.76	18	3	36	0.7	<3	<3	32	3.06	0.14	7	3	0.84	63	0.001	<20	1.21	0.01	0.29	<2	<5	<1	5	4.04	<5	30-Jul-12
CA1206	Drill Core	100.0	102.0	Acme	SMI12000104	1936194	Drill Core	3.30	0.065	<2	<0.3	126	3	9	53	1	9	977	4.36	9	2	38	<0.5	3	<3	46	2.65	0.13	8	3	1.03	141	0.004	<20	1.5	0.02	0.31	<2	<5	<1	<5	2.17	<5	30-Jul-12
CA1206	Drill Core	102.0	104.0	Acme	SMI12000104	1936195	Drill Core	3.82	0.088	<2	<0.3	129	2	6	64	1	8	953	4.03	7	3	40	<0.5	<3	<3	57	2.41	0.13	8	4	1.21	243	0.006	<20	1.59	0.03	0.22	<2	<5	<1	6	1.09	<5	30-Jul-12
CA1206	Drill Core	104.0	106.0	Acme	SMI12000104	1936196	Drill Core	3.12	0.083	<2	<0.3	302	2	7	67	2	9	941	4.01	10	3	43	<0.5	<3	<3	62	2.13	0.14	8	4	1.32	262	0.007	<20	1.79	0.04	0.26	<2	<5	<1	7	0.99	5	30-Jul-12
CA1206	Drill Core	106.0	108.0	Acme	SMI12000104	1936197	Drill Core	3.93	0.136	<2	<0.3	313	2	5	63	2	9	940	4.44	10	4	43	<0.5	<3	<3	61	2.52	0.15	8	4	1.28	266	0.004	<20	1.82	0.03	0.30	<2	<5	<1	6	1.26	5	30-Jul-12
CA1206	Drill Core	108.0	110.0	Acme	SMI12000104	1936198	Drill Core	3.70	0.062	<2	<0.3	159	1	6	59	2	7	909	3.95	8	3	43	<0.5	<3	<3	61	2.67	0.13	8	4	1.18	291	0.005	<20	1.63	0.04	0.26	<2	<5	<1	6	0.55	<5	30-Jul-12
CA1206	Drill Core	110.0	112.0	Acme	SMI12000104	1936199	Drill Core	3.77	0.355	<2	0.7	111	1	<3	53	2	9	884	4.45	9	4	41	<0.5	<3	7	49	2.41	0.12	7	3	1.02	227	0.002	<20	1.49	0.03	0.27	<2	<5	<1	8	1.98	<5	30-Jul-12
CA1206	Std CDN CM-14			Acme	SMI12000104	1936200	Rock Pulp	0.08	0.779	<2	4.8	>10000	381	9	66	32	11	472	2.89	14	<2	40	<0.5	<3	<3	48	0.76	0.05	5	43	0.62	130	0.096	<20	1.27	0.09	0.11	24	<5	<1	<5	0.82	<5	30-Jul-12
CA1206	Drill Core	112.0	114.0	Acme	SMI12000104	1936201	Drill Core	3.95	0.079	<2	0.5	143	1	5	62	2	7	870	3.72	12	5	46	<0.5	<3	<3	60	1.78	0.12	6	4	1.15	448	0.017	<20	1.56	0.04	0.21	<2	<5	<1	7	0.66	<5	30-Jul-12
CA1206	Drill Core	114.0	116.0	Acme	SMI12000104	1936202	Drill Core	3.86	0.258	<2	0.3	120	1	<3	54	1	9	945	3.99	16	3	36	<0.5	<3	4	51	2.23	0.12	7	3	1.09	219	0.002	<20	1.63	0.03	0.28	<2	<5	<1	10	1.27	<5	30-Jul-12
CA1206	Drill Core	116.0	118.0	Acme	SMI12000104	1936203	Drill Core	3.76	0.188	<2	0.6	193	1	<3	50	1	11	860	3.92	8	3	45	<0.5	<3	5	49	2.34	0.12	7	2	1.05	258	0.002	<20	1.4	0.03	0.23	<2	<5	<1	6	1.55	<5	30-Jul-12
CA1206	Drill Core	118.0	120.0	Acme	SMI12000104	1936204	Drill Core	4.51	0.434	<2	0.5	235	2	<3	46	2	36	792	4.76	13	3	36	<0.5	<3	<3	46	2.09	0.12	7	3	0.87	109	0.005	<20	1.16	0.03	0.19	<2	<5	<1	5	3.08	<5	30-Jul-12
CA1206	Drill Core	120.0	122.0	Acme	SMI12000104	1936205	Drill Core	4.11	0.116	<2	<0.3	97	<1	<3	42	1	14	1045	3.65	7	3	61	<0.5	<3	6	51	3.43	0.12	9	3	0.74	220	0.007	<20	1.14	0.03	0.21	<2	<5	<1	6	1.28	6	30-Jul-12
CA1206	Drill Core	122.0	124.0	Acme	SMI12000104	1936206	Drill Core	4.39	0.361	<2	1.2	423	2	<3	33	1	24	1123	4.36	11	4	78	<0.5	<3	5	24	4.36	0.12	7	2	0.54	36	0.001	<20	1.04	0.02	0.20	<2	<5	<1	<5	2.96	<5	30-Jul-12
CA1206	Drill Core	124.0	126.0	Acme	SMI12000104	1936207	Drill Core	4.39	0.215	<2	0.5	215	18	5	40	<1	19	1063	3.89	6	4	61	<0.5	<3	<3	40	3.63	0.12	8	2	0.75	192	<0.001	<20	1.22	0.02	0.20	<2	<5	<1	6	1.73	<5	30-Jul-12
CA1206	Drill Core	126.0	128.0	Acme	SMI12000104	1936208	Drill Core	4.31	0.264	<2	0.5	465	1	11	21	1	16	892	6.22	18	3	54	<0.5	5	10	19	3.13	0.12	6	2	0.43	30	<0.001	<20	0.99	0.01	0.32	<2	<5	<1	<5	5.88	<5	30-Jul-12
CA1206	Drill Core	128.0	130.0	Acme	SMI12000104	1936209	Drill Core	4.11	0.167	<2	0.5	406	14	6	23	1	10	975	2.96	83	2	65	<0.5	<3	5	35	3.77	0.13	8	2	0.46	260	<0.001	<20	1.07	0.02	0.30	<2	<5	<1	<5	0.80	<5	30-Jul-12
CA1206	Drill Core	130.0	132.0	Acme	SMI12000104	1936210	Drill Core	4.29	0.324	<2	0.8	219	21	5	49	2	30	1021	4.26	8	4	73	<0.5	<3	<3	61	2.92	0.12	8	3	1.01	256	0.003	<20	1.52	0.04	0.23	<2	<5	<1	7	1.27	6	30-Jul-12
CA1206	Drill Core	132.0	134.0	Acme	SMI12000104	1936211	Drill Core	4.10	0.186	<2	0.3	132	<1	5	35	1	17	1008	3.46	8	2	86	<0.5	<3	<3	52	3.28	0.12	8	3	0.82	460	0.003	<20	1.38	0.03	0.24	<2	<5	<1	6	0.82	5	30-Jul-12
CA1206	Drill Core	134.0	136.0	Acme	SMI12000104	1936212	Drill Core	4.17	0.075	<2	0.4	114	<1	<3	28	1	6	933	3.55	3	4	68	<0.5	<3	<3	57	3.7	0.13	10	3	0.7	277	0.001	<20	1.31	0.03	0.28	<2	<5	<1	11	0.15	5	30-Jul-12
CA1206	Drill Core	136.0	138.0	Acme	SMI12000104	1936213	Drill Core	4.21	0.432	<2	0.3	409	18	4	29	1	12	1534	2.99	12	2	115	<0.5	<3	<3	30	6.32	0.12	10	2	0.55	367	<0.001	<20	1.1	0.02	0.24	<2	<5	<1	6	0.96	5	30-Jul-12
CA1206	Drill Core	138.0	140.0	Acme	SMI12000104	1936214	Drill Core	3.69	0.109	<2	0.5	104	8	<3	44	1	7	836	2.61	4	2	61	<0.5	<3	<3	18	2.53	0.13	7	1	0.49	196	<0.001	<20	1.21	0.02	0.24	<2	<5	<1	<5	0.81	<5	30-Jul-12
CA1206	Drill Core	140.0	142.0	Acme	SMI12000104	1936215	Drill Core	4.52	0.082	<2	0.5	32	4	3	71	2	9	2718	4.03	<2	<2	162	<0.5	<3	<3	31	9.1	0.10	8	<1	1.07	120	<0.001	<20	1.68	0.01	0.18	<2	<5	<1	8	1.22	<5	30-Jul-12
CA1206	Drill Core	142.0	144.0	Acme	SMI12000104	1936216	Drill Core	4.36	0.312	<2	0.7	77	3	4	48	1	20	1624	5.56	10	2	122	<0.5	<3	5	30	5.99	0.11	8	2	0.83	30	<0.001	<20	1.39	0.01	0.24	<2	<5	<1	6	4.09	<5	30-Jul-12
CA1206	Drill Core	144.0	146.0	Acme	SMI12000104	1936217	Drill Core	4.52	0.115	<2	0.4	85	4	6	37	1	37	1099	4.50	8	3	79	<0.5	<3	5	44	2.98	0.12	8	2	0.78	51	0.003	<20	1.34	0.03	0.27	<2	<5	<1	7	2.85	5	30-Jul-12
CA1206	Drill Core	146.0	148.0	Acme	SMI12000104	1936218	Drill Core	3.46	0.045	<2	<0.3	107	2	4	29	1	10	1183	3.25	3	4	90	<0.5	4	4	40	3.41	0.13	10	4	0.64	353	0.002	<20	1.29	0.02	0.30	<2	<5	<1	7	1.15	<5	30-Jul-12
CA1206	Drill Core	148.0	150.0	Acme	SMI12000104	1936219	Drill Core	4.49	0.112	<2	<0.3	133	1	8	31	1	23	1403	4.02	34	<2	121	<0.5	<3	<3	42	4.39	0.12	8	2	0.59	30	0.009	<20	1.12	0.04	0.25	<2	<5	<1	<5	2.31	<5	30-Jul-12
CA1206	Drill Core	150.0	152.0	Acme	SMI12000104	1936220	Drill Core	4.22	0.061	<2	<0.3	55	9	7	29	1	10	949	3.23	13	4	82	<0.5	<3	<3	47	3.62	0.13	11	3	0.52	299	0.003	<20	1.17	0.03	0.30	<2	<5	<1	6	0.80	<5	30-Jul-12
CA1206	Drill Core	152.0	154.0	Acme	SMI12000104	1936221	Drill Core	4.25	0.039	<2	<0.3	69	<1	4	17	1	8	885	2.66	11	4	83	<0.5	<3	<3	34	4.03	0.13	11	2	0.3	217	0.002	<20	0.94	0.02	0.31	<2	<5	<1	<5	0.55	<5	30-Jul-12
CA1206	Drill Core	154.0	156.0	Acme	SMI12000104	1936222	Drill Core	4.14	0.078	<2	<0.3	150	3	5	3	<1	9	683	1.86	23	2	95	<0.5	<3	3	9	2.99	0.12	9	3	0.1	142	<0.001	<20	0.56	0.01	0.31	<2	<5	<1	<5	1.42	<5	30-Jul-12
CA1206	Drill Core	156.0	158.0	Acme	SMI12000104	1936223	Drill Core	4.07	0.036	<2	<0.3	108	3	4	7	1	8	489	2.26	21	3	133	<0.5	<3	<3	12	2.16	0.13	11	<1	0.21	227	<0.001	<20	0.81	0.01	0.28	<2	<5	<1	<5	0.93	<5	30-Jul-12
CA1206	Drill Core	158.0	160.0	Acme	SMI12000104	1936224	Drill Core	4.67	0.176	<2	0.4	255	1	<3	15	1	10	771	3.39	23	3	66	<0.5	<3	<3	18	2.7	0.12	10	2	0.35	204	<0.001	<20	0.93	0.01	0.28	<2	<5	<1	<5	2.00	<5	30-Jul-12
CA1206	Blank			Acme	SMI12000104	1936225	Rock	0.69	<0.005	<2	<0.3	<1	<1	<3	<1	<1	<1	21	0.03	<2	<2	5505	<0.5	<3	<3	2	39.91	0.00	<1	<1	1.58	6	<0.001	<20	0.03	<0.01	<0.01	<2	<5	<1	<5	<0.05	<5	30-Jul-12
CA1206	Drill Core	160.0	162.0	Acme	SMI12000104	1936226	Drill Core	4.77	0.094	<2	<0.3	87	1	4	19	16	16	1428	4.63	10	<2	77	<0.5	<3	3	54	4.76	0.17	12	24	1.54	317	0.001	<20	2.32	0.01	0.28	<2	<5	<1	14	0.33	6	30-Jul-12
CA1206	Drill Core	162.0	164.0	Acme	SMI12000104	1936227	Drill Core	4.24	0.008	<2	<0.3	133	<1	<3	41	33	18	1519	5.05	6	<2	106	<0.5	<3	<3	84	6.22	0.14	12	61	2.06	120	0.016	<20	2.92	0.07	0.25	<2	<5	<1	13	0.12	10	30-Jul-12
CA1206	Drill Core	164.0	166.0	Acme	SMI12000104	1936228	Drill Core	4.39	0.008	<2	<0.3	34	<1	<3	42	61	25	1125	5.21	3	<2	90	<0.5	<3	<3	127	4.53	0.10	8	84	2.74	32	0.065	<20	3.53	0.21	0.15	<2	<5	<1	22	0.08	12	30-Jul-12
CA1206	Drill Core	166.0	168.0	Acme	SMI12000104	1936229	Drill Core	4.26	0.008	<2	<0.3	24	1	<3	31	21	12	1509	5.39	4	<2	77	<0.5	<3	<3	61	5.55	0.18	15	32	1.69	59	0.003	<20	2.78	0.01	0.29	<2	<5	<1	15	<0.05	8	30-Jul-12
CA1206	Drill Core	168.0	170.0	Acme	SMI12000104	1936230	Drill Core	4.15	0.018	<2	<0.3	30	<1	<3	27	2	7	1160	3.03	<2	2	85	<0.5	<3	<3	39	4.36	0.13	12	2	0.6	315	0.001	<20	1.27	0.02	0.32	<2	<5	<1	8	0.32	<5	30-Jul-12
CA1206	Drill Core	170.0	172.0	Acme	SMI12000104	1936231	Drill Core	4.32	0.050	<2	<0.3	62	1	<3	36	<1	6	1503	2.64	3	2	95	<0.5	<3	<3	19	5.68	0.12	10	<1	0.57	176	<0.001	<20	1.12	0.01	0.21	<2	<5	<1	<5	0.68	<5	30-Jul-12
CA1206	Drill Core	172.0	174.0	Acme	SMI12000104	1936232	Drill Core	4.43	2.231	2	<0.3	460	16	10	21	1	28	1006	5.84	13	2	67	<0.5	<3	<3	28	3.8	0.12	8	2	0.52	18	0.002	<20	1.1	0.02	0.31	<2	<5	<1	6	4.91	<5	30-Jul-12
CA1206	Drill Core	174.0	176.0	Acme	SMI12000104	1936233	Drill Core	4.09	2.699	<2	<0.3	729	9	6	27	1	26	704	5.43	8	3	39	<0.5	<3	<3	45	2.07	0.12	6	2	0.76	43	0.006	<20	1.03	0.03	0.20	<2	<5	<1	<5	4.21	<5	30-Jul-12

All assays ppm except Ca, Fe, K, Na, Mg, P, S, Ti in %

hole_id	Material	FROM	TO	Lab	Job	Sample	Type	Wgt	Au-fa	Au	Ag	Cu	Mo	Pb	Zn	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc	Date
CA1206	Drill Core	176.0	178.0	Acme	SMI12000104	1936234	Drill Core	4.02	0.236	<2	<0.3	316	19	10	42	2	13	992	4.09	4	3	69	0.6	<3	<3	76	2.64	0.12	8	5	0.97	336	0.017	<20	1.43	0.06	0.22	<2	6	<1	6	1.36	6	30-Jul-12
CA1206	Drill Core	178.0	180.0	Acme	SMI12000104	1936235	Drill Core	4.29	0.480	<2	0.7	119	4	6	28	1	11	1582	4.68	5	2	102	0.7	<3	4	36	5.12	0.11	8	3	0.81	47	0.002	<20	1.16	0.02	0.24	<2	<5	1	<5	3.13	<5	30-Jul-12
CA1206	Drill Core	180.0	182.0	Acme	SMI12000104	1936236	Drill Core	4.42	0.498	<2	<0.3	236	9	6	6	2	12	885	4.05	6	<2	69	0.6	<3	<3	12	3.83	0.12	7	4	0.15	39	0.001	<20	0.52	0.02	0.30	<2	8	<1	<5	4.03	<5	30-Jul-12
CA1206	Drill Core	182.0	184.0	Acme	SMI12000104	1936237	Drill Core	3.99	0.066	<2	<0.3	182	1	5	19	1	12	1361	2.71	9	3	93	<0.5	<3	<3	30	3.98	0.13	10	3	0.44	340	<0.001	<20	0.93	0.01	0.31	<2	7	<1	<5	0.95	<5	30-Jul-12
CA1206	Drill Core	184.0	186.0	Acme	SMI12000104	1936238	Drill Core	4.08	0.037	<2	<0.3	125	3	<3	51	2	10	887	3.50	<2	3	82	<0.5	<3	3	69	2.02	0.13	7	5	1.06	1109	0.034	<20	1.42	0.05	0.20	<2	<5	<1	7	0.48	<5	30-Jul-12
CA1206	Drill Core	186.0	188.0	Acme	SMI12000104	1936239	Drill Core	3.88	0.039	<2	<0.3	89	4	<3	44	1	7	803	3.55	<2	3	67	<0.5	<3	5	63	2.05	0.13	7	4	1.06	791	0.024	<20	1.45	0.04	0.20	<2	<5	<1	7	0.74	<5	30-Jul-12
CA1206	Drill Core	188.0	190.0	Acme	SMI12000104	1936240	Drill Core	3.98	0.075	<2	<0.3	140	4	<3	38	2	7	774	3.40	<2	3	67	<0.5	<3	<3	60	2.66	0.13	8	4	1.03	628	0.004	<20	1.45	0.04	0.25	<2	9	<1	6	0.72	<5	30-Jul-12
CA1206	Drill Core	190.0	192.0	Acme	SMI12000104	1936241	Drill Core	4.12	0.161	<2	<0.3	387	9	<3	35	2	23	1214	3.18	5	2	103	0.6	<3	<3	21	5.83	0.12	8	2	0.5	130	<0.001	<20	1.06	0.01	0.25	<2	5	<1	<5	1.81	<5	30-Jul-12
CA1206	Drill Core	192.0	194.0	Acme	SMI12000104	1936242	Drill Core	3.94	0.647	<2	0.5	552	6	3	23	2	14	710	3.70	2	3	58	<0.5	<3	4	32	3.16	0.12	7	2	0.64	81	<0.001	<20	1.1	0.02	0.29	<2	<5	<1	<5	2.65	<5	30-Jul-12
CA1206	Drill Core	194.0	196.0	Acme	SMI12000104	1936243	Drill Core	3.75	0.135	<2	<0.3	267	2	<3	19	1	10	952	2.80	3	3	88	<0.5	<3	<3	25	3.99	0.12	8	2	0.45	172	<0.001	<20	1.04	0.02	0.31	<2	<5	<1	<5	1.61	<5	30-Jul-12
CA1206	Drill Core	196.0	198.0	Acme	SMI12000104	1936244	Drill Core	3.91	0.108	<2	<0.3	220	4	<3	27	2	11	816	3.77	4	3	53	0.5	<3	5	35	3.18	0.13	7	4	0.7	139	0.001	<20	1.24	0.02	0.34	<2	<5	<1	<5	2.55	<5	30-Jul-12
CA1206	Drill Core	198.0	200.0	Acme	SMI12000104	1936245	Drill Core	3.30	0.222	<2	0.4	168	2	<3	30	2	9	684	4.23	<2	3	47	<0.5	<3	6	46	2.49	0.13	7	3	0.88	169	0.008	<20	1.29	0.03	0.26	<2	<5	<1	<5	2.74	<5	30-Jul-12
CA1206	Drill Core	200.0	202.0	Acme	SMI12000104	1936246	Drill Core	3.75	0.206	<2	<0.3	254	1	<3	33	2	9	574	3.75	7	3	39	<0.5	<3	<3	55	1.35	0.13	6	4	0.99	330	0.033	<20	1.44	0.04	0.24	2	<5	<1	6	1.48	<5	30-Jul-12
CA1206	Drill Core	202.0	204.0	Acme	SMI12000104	1936247	Drill Core	4.21	0.137	<2	<0.3	102	4	<3	32	1	13	601	4.54	5	3	40	<0.5	<3	<3	50	1.72	0.12	6	4	0.87	101	0.009	<20	1.33	0.04	0.26	<2	<5	<1	5	2.88	<5	30-Jul-12
CA1206	Drill Core	204.0	206.0	Acme	SMI12000104	1936248	Drill Core	3.91	0.094	<2	<0.3	228	6	<3	30	2	13	453	4.80	9	4	29	0.5	<3	<3	45	1.14	0.12	5	4	0.76	178	0.023	<20	1.24	0.04	0.31	<2	<5	<1	5	3.65	<5	30-Jul-12
CA1206	Drill Core	206.0	208.0	Acme	SMI12000104	1936249	Drill Core	3.38	0.064	<2	<0.3	99	2	<3	39	2	6	598	3.40	<2	3	36	<0.5	<3	<3	51	1.24	0.13	6	3	0.99	281	0.041	<20	1.39	0.04	0.19	<2	<5	<1	7	1.19	<5	30-Jul-12
CA1206	Std CDN CM-21			Acme	SMI12000104	1936250	Rock Pulp	0.08	0.489	<2	1.1	5517	336	7	48	26	12	441	3.14	<2	<2	40	0.6	<3	<3	59	0.84	0.05	5	29	0.71	123	0.123	<20	1.48	0.10	0.14	13	<5	<1	9	0.64	<5	30-Jul-12
CA1206	Drill Core	208.0	210.0	Acme	SMI12000104	1936251	Drill Core	4.09	0.119	<2	<0.3	180	4	6	36	1	7	576	4.08	5	3	40	<0.5	<3	5	52	1.51	0.13	6	4	0.99	224	0.017	<20	1.45	0.05	0.24	<2	<5	<1	8	2.46	<5	30-Jul-12
CA1206	Drill Core	210.0	212.0	Acme	SMI12000104	1936252	Drill Core	3.36	0.147	<2	<0.3	122	7	3	28	1	10	402	4.40	3	4	26	<0.5	<3	<3	43	0.9	0.12	5	4	0.82	155	0.024	<20	1.25	0.04	0.28	<2	<5	<1	7	3.32	<5	30-Jul-12
CA1206	Drill Core	212.0	214.0	Acme	SMI12000104	1936253	Drill Core	4.08	0.710	<2	0.6	316	10	4	17	2	17	748	5.65	11	3	67	0.6	<3	<3	27	3.23	0.11	4	4	0.61	21	0.007	<20	1.07	0.02	0.34	<2	<5	<1	<5	5.11	<5	30-Jul-12
CA1206	Drill Core	214.0	216.0	Acme	SMI12000104	1936254	Drill Core	3.40	0.132	<2	<0.3	236	4	4	26	2	7	704	3.75	4	3	56	<0.5	<3	4	50	2.57	0.13	7	2	0.89	276	0.003	<20	1.37	0.03	0.30	<2	6	<1	7	2.14	<5	30-Jul-12
CA1206	Drill Core	216.0	218.0	Acme	SMI12000104	1936255	Drill Core	3.71	0.354	<2	<0.3	604	2	8	20	2	11	466	4.27	6	4	41	<0.5	<3	<3	45	1.98	0.13	6	4	0.81	88	0.005	<20	1.24	0.04	0.31	<2	<5	<1	6	3.59	<5	30-Jul-12
CA1206	Drill Core	218.0	220.0	Acme	SMI12000104	1936256	Drill Core	3.74	0.396	<2	<0.3	375	2	<3	18	2	12	478	4.93	8	4	32	0.5	<3	4	37	1.53	0.13	5	3	0.84	116	0.005	<20	1.23	0.03	0.31	<2	<5	<1	6	4.31	<5	30-Jul-12
CA1206	Drill Core	220.0	222.0	Acme	SMI12000104	1936257	Drill Core	4.02	0.255	<2	0.6	118	7	5	26	1	10	466	7.91	32	4	22	<0.5	<3	<3	41	0.96	0.12	4	4	1.22	100	0.009	<20	1.58	0.02	0.31	<2	<5	<1	6	6.20	<5	30-Jul-12
CA1206	Drill Core	222.0	224.0	Acme	SMI12000104	1936258	Drill Core	3.67	0.177	<2	<0.3	251	1	6	40	2	10	649	3.95	5	4	42	<0.5	<3	4	76	1.32	0.13	7	5	1.14	229	0.042	<20	1.55	0.05	0.21	<2	<5	<1	8	1.14	<5	30-Jul-12
CA1206	Drill Core	224.0	226.0	Acme	SMI12000104	1936259	Drill Core	3.45	0.158	<2	<0.3	275	6	<3	29	2	8	652	4.51	7	4	51	<0.5	<3	<3	58	1.72	0.13	6	4	0.92	131	0.024	<20	1.42	0.04	0.30	<2	<5	<1	7	2.16	<5	30-Jul-12
CA1206	Drill Core	226.0	228.0	Acme	SMI12000104	1936260	Drill Core	3.56	0.209	<2	<0.3	348	11	4	27	2	6	620	3.96	4	3	42	<0.5	<3	4	47	1.92	0.13	6	4	0.9	88	0.006	<20	1.34	0.02	0.28	<2	<5	<1	6	2.37	<5	30-Jul-12
CA1206	Drill Core	228.0	230.0	Acme	SMI12000104	1936261	Drill Core	3.92	0.370	<2	<0.3	380	7	<3	23	1	6	660	3.77	4	4	56	<0.5	<3	16	42	2.53	0.13	7	3	0.79	212	0.003	<20	1.29	0.02	0.32	<2	<5	<1	6	2.19	<5	30-Jul-12
CA1206	Drill Core	230.0	232.0	Acme	SMI12000104	1936262	Drill Core	3.84	0.488	<2	<0.3	307	47	10	23	1	15	532	8.71	27	3	31	<0.5	<3	4	37	1.69	0.11	5	4	0.79	38	0.006	<20	1.25	0.02	0.30	<2	<5	<1	5	7.33	<5	30-Jul-12
CA1206	Drill Core	232.0	234.0	Acme	SMI12000104	1936263	Drill Core	3.82	0.467	<2	0.6	546	1	<3	22	2	11	448	6.36	5	4	27	0.5	<3	<3	38	1.23	0.13	5	3	0.84	123	0.007	<20	1.3	0.02	0.31	<2	<5	<1	5	5.30	<5	30-Jul-12
CA1206	Drill Core	234.0	236.0	Acme	SMI12000104	1936264	Drill Core	3.27	0.453	<2	0.6	798	3	6	33	1	13	638	6.01	23	3	37	0.6	<3	4	54	1.55	0.12	6	5	0.93	123	0.017	<20	1.43	0.04	0.29	<2	<5	<1	7	4.16	<5	30-Jul-12
CA1206	Drill Core	236.0	238.0	Acme	SMI12000104	1936265	Drill Core	3.33	0.220	<2	<0.3	639	10	<3	35	1	9	682	3.74	7	4	38	<0.5	<3	4	49	1.72	0.12	6	4	0.95	226	0.010	<20	1.44	0.03	0.26	<2	<5	<1	8	1.30	<5	30-Jul-12
CA1206	Drill Core	238.0	240.0	Acme	SMI12000104	1936266	Drill Core	3.89	0.189	<2	<0.3	253	2	4	31	1	6	765	3.73	5	4	63	0.5	<3	8	46	2.8	0.13	8	4	0.76	229	0.004	<20	1.29	0.03	0.30	<2	<5	<1	6	1.60	<5	30-Jul-12
CA1206	Drill Core	240.0	242.0	Acme	SMI12000104	1936267	Drill Core	4.30	0.473	<2	<0.3	250	2	6	31	1	8	753	3.99	12	3	109	<0.5	<3	6	40	2.68	0.12	7	4	0.84	73	0.008	<20	1.3	0.03	0.28	<2	<5	<1	5	2.75	<5	30-Jul-12
CA1206	Drill Core	242.0	244.0	Acme	SMI12000104	1936268	Drill Core	4.31	0.186	<2	<0.3	226	5	8	47	1	10	716	4.20	15	4	115	<0.5	<3	3	66	2.17	0.12	6	7	1	156	0.035	<20	1.43	0.05	0.18	<2	<5	<1	8	2.35	<5	30-Jul-12
CA1206	Drill Core	244.0	246.0	Acme	SMI12000104	1936269	Drill Core	4.19	0.127	<2	<0.3	280	4	5	41	2	13	694	4.44	17	4	134	0.5	<3	4	63	2.27	0.12	6	4	1.06	118	0.024	<20	1.47	0.05	0.21	<2	<5	<1	7	3.25	<5	30-Jul-12
CA1206	Drill Core	246.0	248.0	Acme	SMI12000104	1936270	Drill Core	4.32	0.204	<2	0.6	656	1	12	36	<1	11	666	4.75	7	3	102	<0.5	<3	4	62	2.32	0.12	6	5	1	130	0.019	<20	1.37	0.04	0.17	<2	<5	<1	7	3.03	<5	30-Jul-12
CA1206	Drill Core	248.0	250.0	Acme	SMI12000104	1936271	Drill Core	4.46	0.120	<2	<0.3	138	1	7	38	<1	10	707	3.97	18	4	129	<0.5	<3	<3	55	2.78	0.13	6	3	0.93	185	0.018	<20	1.4	0.04	0.25	<2	<5	<1	6	2.64	<5	30-Jul-12
CA1206	Drill Core	250.0	252.0	Acme	SMI12000104	1936272	Drill Core	4.38	0.131	<2	<0.3	465	9	13	43	<1	13	708	3.89	12	4	147	<0.5	<3	<3	60	2.67	0.12	5	5	1.08	186	0.023	<20	1.42	0.03	0.16	<2	<5	<1	7	2.50	<5	30-Jul-12
CA1206	Drill Core	252.0	254.0	Acme	SMI12000104	1936273	Drill Core	4.30	0.167	<2	<0.3	352	19	8	42	<1	14	655	4.02	12	4	142	<0.5	<3	<3	69	2.81	0.12	6	4	0.99	220	0.040	<20	1.42	0.05	0.19	<2	<5	<1	7	2.16	<5	30-Jul-12
CA1206	Drill Core	254.0	256.0	Acme	SMI12000104	1936274	Drill Core	1.87	0.138	<2	<0.3	230	1	11	45	<1	10	662	3.87	12	4	150	<0.5	<3	<3	68	2.78	0.12	6	4	0.96	161	0.039	<20	1.41	0.06	0.21	<2	<5	<1	8	2.34	<5	30-Jul-12
CA1206	Dup			Acme	SMI12000104	1936275	Drill Core	1.90	0.140	<2	<0.3	201	4	10	39	<1	10	577	3.60	12	3	156	<0.5	<3	3	59	2.89	0.12	6	4	0.83	141	0.034	<20	1.26	0.05	0.21	<2	<5	<1	6	2.71	<5	30-Jul-12
CA1206	Drill Core	256.0	258.0	Acme	SMI12000104	1936276	Drill Core	5.03	1.149	<2	1.4	586	7	19	20	<1	11	488	10.17	21	3	111	<0.5	<3	5	37	2.77	0.10	5	3	0.67	21	0.008	<20	1.04	0.03	0.24	<2	<5	<1	5	9.87	<5	30-Jul-12
CA1206	Drill Core	258.0	260.0	Acme	SMI12000104	1936277	Drill Core	4.54	0.185	<2	<0.3	303	10	8	36	<1	10	684	4.48	8	3	171	<0.5	<3	7	67	2.94	0.12	6	5	1.04	217	0.009	<20	1.49	0.04	0.26	<2	<5	<1	7	2.20	<5	30-Jul-12
CA1206	Drill Core	260.0	262.0	Acme	SMI12000104	1936278	Drill Core	4.61	0.318	<2	0.7	458	12	16	33	<1	16	561	5.48	21	3	159	<0.5	<3	3	42	3.11	0.11	5	4	0.64	113	0.003	<20	1.19	0.02	0.27	<2	<5	<1	6	4.56	<5	30-Jul-12
CA1206	Drill Core	262.0	264.0	Acme	SMI12000104	1936279	Drill Core	4.76	0.192	<2	0.4	221	4	14	29	<1	13	509	5.06	11	4	139	<0.5	<3	3	60	2.56	0.12	6	6	0.82	128	0.016	<20	1.27	0.04	0.26	<2	<5	<1	7	3.80	<5	30-Jul-12
CA1206	Drill Core	264.0	266.0	Acme	SMI12000104	1936280	Drill Core	4.40	0.143	<2	<0.3	597	23	8	36	<1	12	504	4.44	5	4	121	<0.5	<3	6	81	2.28	0.12	5	5	1.02	126	0.050	<20	1.37	0.05	0.18	<2	<5	<1	9	1.88	<5	30-Jul-12
CA1206	Drill Core	266.0	268.0	Acme	SMI12000104	1936281	Drill Core	4.30	0.182	<2	0.4	486	8	8	30	<1	18	451	4.74	7	3	145	<0.5	<3	6	62	2.05	0.12	5	6	0.91	148	0.034	<20	1.32	0.04	0.21	<2	<5	<1	8	3.69	<5	30-Jul-12
CA1206	Drill Core	268.0	270.0	Acme	SMI12000104	1936282	Drill Core	4.38	0.111	<2	<0.3	388	9	10	32	2	20	498	4.21	6	4	186	<0.5	<3	<3	65	2.55	0.12	5	4	0.96	210	0.022	<20	1.36	0.04	0.20	<2	5	<1	8	2.24	<5	30-Jul-12
CA1206	Drill Core	270.0	272.0	Acme	SMI12000104	1936283	Drill Core	4.25	0.199	<2	<0.3	324	5	11	31	2	19	506	4.18	5	3	179	<0.5	<3	4	58	2.85	0.12	6	4	0.93	168	0.022	<20	1.33	0.03	0.23	<2	<5	<1	6	3.22	<5	30-Jul-12
CA1206	Drill Core	272.0	274.0	Acme	SMI12000104	1936284	Drill Core	4.41	0.288	<2	0.3	748	5	9	33	2	21	569	4.42	9	4	154	<0.5	<3	4	54	2.53	0.12	7	5	0.91	149	0.018	<20	1.36	0.03	0.26	<2	<5	<1	7	3.23	<5	30-Jul-12
CA1206	Drill Core	274.0	276.0	Acme	SMI12000104	1936285	Drill Core	4.35	0.046	<2	<0.3	99	2	5	40	1	10	697	3.87	5	4	144	<0.5	<3	<3	73	2.84	0.12	9	3	0.99	396	0.011	<20	1.41	0.05	0.24	<2	<5	<1	7	0.80	<5	30-Jul-12
CA1206	Drill Core	276.0	278.0	Acme	SMI12000104	1936286	Drill Core	4.37	0.089	<2	<0.3	246	6	9	41	2	14	617	3.79	5	3	139	<0.5	<3	<3	68	2.49	0.12	7	4	1.07	193	0.010	<20	1.39	0.04	0.22	<2	<5	<1	7	1.29	<5	30-Jul-12
CA1206	Drill Core	278.0	280.0	Acme	SMI12000104	1936287	Drill Core	4.23	0.128	<2	<0.3	126	3	6	33	<1	14	765	3.76	5	3	114	<0.5	<3	3	57	3.01	0.12	7	4	0.96	258	0.003	<20	1.36	0.03	0.30	<2	<5	<1	5	1.74	<5	30-Jul-12
CA1206	Drill Core	280.0	282.0	Acme	SMI12000104	1936288	Drill Core	4.21	0.148	<2	<0.3	260	4	10	26	<1	15	770	3.82	7	4	126	<0.5	<3	7	32	3.58	0.12	6	3	0.66	85	0.002	<20	1.12	0.02	0.32	<2	<5	<1	<5	3.21	<5	30-Jul-12
CA1206	Drill Core	282.0	284.0	Acme	SMI12000104	1936289	Drill Core	4.47	0.089	<2	<0.3	133	5	9	47	2	11	780	3.82	4	3	168	<0.5	<3	5	60	3.1	0.12	7	3	0.98	264	0.008	<20	1.45	0.04	0.25	<2	<5	<1	8	1.74	<5	30-Jul-12
CA1206	Drill Core	284.0	286.0	Acme	SMI12000104	1936290	Drill Core	4.53	0.184	<2	<0.3	207	4	8	45	2	11	718	3.91	3	4	147	<0.5	<3	4	66	2.45	0.12	7	5	0.96	229	0.040	<20	1.41	0.04	0.24	<2	<5	<1	6	1.95	<5	30-Jul-12

hole_id	Material	FROM	TO	Lab	Job	Sample	Type	Wgt	Au-fa	Au	Ag	Cu	Mo	Pb	Zn	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc	Date
CA1206	Drill Core	286.0	288.0	Acme	SMI12000104	1936291	Drill Core	4.06	0.316	<2	<0.3	367	4	8	39	<1	16	704	3.95	10	3	128	<0.5	<3	4	46	2.5	0.12	6	3	0.9	193	0.011	<20	1.46	0.04	0.28	<2	<5	<1	6	2.52	<5	30-Jul-12
CA1206	Drill Core	288.0	290.0	Acme	SMI12000104	1936292	Drill Core	4.70	0.202	<2	<0.3	350	17	7	42	<1	11	779	3.98	5	3	115	<0.5	<3	4	41	2.66	0.12	7	3	0.97	267	0.027	<20	1.47	0.03	0.21	<2	<5	<1	6	1.82	<5	30-Jul-12
CA1206	Drill Core	290.0	292.0	Acme	SMI12000104	1936293	Drill Core	4.60	0.375	<2	<0.3	371	4	11	39	1	12	759	4.57	6	3	109	<0.5	<3	4	42	2.63	0.12	7	3	0.99	169	0.007	<20	1.45	0.02	0.25	<2	<5	<1	6	3.10	<5	30-Jul-12
CA1206	Drill Core	292.0	294.0	Acme	SMI12000104	1936294	Drill Core	4.24	1.179	<2	0.4	402	4	8	39	1	10	546	3.98	6	3	134	<0.5	<3	4	47	2.37	0.12	6	3	0.9	181	0.023	<20	1.25	0.03	0.20	<2	<5	<1	7	2.52	<5	30-Jul-12
CA1206	Drill Core	294.0	296.0	Acme	SMI12000104	1936295	Drill Core	4.14	0.573	<2	0.5	405	10	4	43	1	11	517	4.15	8	3	126	<0.5	<3	4	40	1.91	0.12	7	2	0.96	182	0.033	<20	1.34	0.03	0.18	<2	<5	<1	7	2.76	<5	30-Jul-12
CA1206	Drill Core	296.0	298.0	Acme	SMI12000104	1936296	Drill Core	4.57	0.247	<2	<0.3	313	4	6	48	2	10	552	3.67	5	3	84	<0.5	<3	<3	55	1.76	0.12	6	3	1.05	173	0.043	<20	1.39	0.03	0.15	<2	<5	<1	7	1.18	<5	30-Jul-12
CA1206	Drill Core	298.0	300.0	Acme	SMI12000104	1936297	Drill Core	4.62	1.372	<2	0.6	585	21	8	30	2	9	511	3.94	<2	3	127	<0.5	<3	<3	47	3.22	0.12	6	3	0.76	108	0.032	<20	1.1	0.03	0.17	<2	7	<1	5	2.79	<5	30-Jul-12
CA1206	Drill Core	300.0	302.0	Acme	SMI12000104	1936298	Drill Core	4.54	0.210	<2	<0.3	315	7	3	41	2	9	593	3.62	7	4	76	<0.5	<3	4	54	2.35	0.13	6	3	1.05	162	0.033	<20	1.37	0.03	0.18	<2	<5	<1	6	1.13	<5	30-Jul-12
CA1206	Drill Core	302.0	304.0	Acme	SMI12000104	1936299	Drill Core	3.85	0.387	<2	0.5	821	11	10	41	1	12	587	3.31	5	3	140	<0.5	<3	4	47	2.27	0.12	7	3	0.94	238	0.024	<20	1.24	0.03	0.17	<2	<5	<1	6	1.40	<5	30-Jul-12
CA1206	Std CDN CM-22			Acme	SMI12000104	1936300	Rock Pulp	0.07	0.756	<2	1.3	9902	201	9	45	27	14	553	3.92	6	2	80	0.6	<3	<3	56	1.08	0.06	9	31	0.73	125	0.103	<20	1.53	0.12	0.23	10	<5	<1	9	1.27	6	30-Jul-12
CA1206	Drill Core	302.0	304.0	Acme	SMI12000104	1936301	Drill Core	3.56	0.684	<2	1.1	1373	10	9	31	1	13	556	3.04	14	3	341	<0.5	<3	<3	24	3.24	0.11	8	3	0.63	88	0.002	<20	1.05	0.02	0.29	<2	<5	<1	<5	2.41	<5	30-Jul-12
CA1206	Drill Core	304.0	306.0	Acme	SMI12000104	1936302	Drill Core	4.09	0.167	<2	0.3	788	17	7	53	2	6	677	3.89	4	3	122	<0.5	<3	5	56	2.46	0.12	14	4	1.06	358	0.003	<20	1.58	0.03	0.29	<2	6	<1	6	0.80	<5	30-Jul-12
CA1206	Drill Core	306.0	308.0	Acme	SMI12000104	1936303	Drill Core	2.93	0.175	<2	<0.3	203	7	7	51	<1	6	762	3.65	2	3	96	<0.5	<3	<3	51	2.89	0.12	13	3	1	225	0.002	<20	1.6	0.03	0.30	<2	<5	<1	6	0.64	<5	30-Jul-12
CA1206	Drill Core	308.0	310.0	Acme	SMI12000104	1936304	Drill Core	2.08	0.432	<2	1.1	450	9	<3	46	2	6	712	3.04	5	3	156	<0.5	<3	3	32	3.54	0.12	11	3	0.73	466	0.001	<20	1.28	0.02	0.28	3	<5	<1	<5	0.73	<5	30-Jul-12
CA1206	Drill Core	146.0	148.0	Acme	SMI12000104	1936218	PD	3.46	0.045	<2	<0.3	107	2	4	29	1	10	1183	3.25	3	4	90	<0.5	4	4	40	3.41	0.13	10	4	0.64	353	0.002	<20	1.29	0.02	0.30	<2	<5	<1	7	1.15	<5	30-Jul-12
CA1206	Drill Core	146.0	148.0	Acme	SMI12000104	1936218	REP		0.043																																			30-Jul-12
CA1206	Drill Core	210.0	212.0	Acme	SMI12000104	1936252	PD	3.36	0.147	<2	<0.3	122	7	3	28	1	10	402	4.40	3	4	26	<0.5	<3	<3	43	0.9	0.12	5	4	0.82	155	0.024	<20	1.25	0.04	0.28	<2	<5	<1	7	3.32	<5	30-Jul-12
CA1206	Drill Core	210.0	212.0	Acme	SMI12000104	1936252	REP		0.147																																			30-Jul-12
CA1206	Drill Core	276.0	278.0	Acme	SMI12000104	1936286	PD	4.37	0.089	<2	<0.3	246	6	9	41	2	14	617	3.79	5	3	139	<0.5	<3	<3	68	2.49	0.12	7	4	1.07	193	0.010	<20	1.39	0.04	0.22	<2	<5	<1	7	1.29	<5	30-Jul-12
CA1206	Drill Core	276.0	278.0	Acme	SMI12000104	1936286	REP		0.079																																			30-Jul-12
CA1206	Drill Core	292.0	294.0	Acme	SMI12000104	1936294	PD	4.24	1.179	<2	0.4	402	4	8	39	1	10	546	3.98	6	3	134	<0.5	<3	4	47	2.37	0.12	6	3	0.9	181	0.023	<20	1.25	0.03	0.20	<2	<5	<1	7	2.52	<5	30-Jul-12
CA1206	Drill Core	292.0	294.0	Acme	SMI12000104	1936294	REP		1.249																																			30-Jul-12
CA1206	Drill Core	308.0	310.0	Acme	SMI12000104	1936304	PD	2.08	0.432	<2	1.1	450	9	<3	46	2	6	712	3.04	5	3	156	<0.5	<3	3	32	3.54	0.12	11	3	0.73	466	0.001	<20	1.28	0.02	0.28	3	<5	<1	<5	0.73	<5	30-Jul-12
CA1206	Drill Core	308.0	310.0	Acme	SMI12000104	1936304	REP			<2	1	450	9	5	47	2	6	724	3.05	4	3	156	<0.5	<3	3	33	3.57	0.12	12	4	0.73	457	0.001	<20	1.31	0.02	0.28	4	<5	<1	<5	0.75	<5	30-Jul-12
CA1206	Drill Core	214.0	216.0	Acme	SMI12000104	1936254	PD	3.40	0.132	<2	<0.3	236	4	4	26	2	7	704	3.75	4	3	56	<0.5	<3	4	50	2.57	0.13	7	2	0.89	276	0.003	<20	1.37	0.03	0.30	<2	6	<1	7	2.14	<5	30-Jul-12
CA1206	Drill Core	214.0	216.0	Acme	SMI12000104	1936254	REP			<2	<0.3	239	4	7	27	2	8	711	3.83	6	4	55	<0.5	<3	<3	50	2.59	0.13	7	3	0.89	251	0.003	<20	1.37	0.03	0.30	<2	<5	<1	6	2.17	<5	30-Jul-12
CA1206	Drill Core	282.0	284.0	Acme	SMI12000104	1936289	PD	4.47	0.089	<2	<0.3	133	5	9	47	2	11	780	3.82	4	3	168	<0.5	<3	5	60	3.1	0.12	7	3	0.98	264	0.008	<20	1.45	0.04	0.25	<2	<5	<1	8	1.74	<5	30-Jul-12
CA1206	Drill Core	282.0	284.0	Acme	SMI12000104	1936289	REP			<2	<0.3	135	5	6	48	1	11	801	3.87	5	3	173	<0.5	<3	<3	60	3.14	0.12	7	3	1	272	0.008	<20	1.5	0.04	0.26	<2	<5	<1	6	1.75	<5	30-Jul-12
CA1206	Drill Core	148.0	150.0	Acme	SMI12000104	1936219	PD	4.49	0.112	<2	<0.3	133	1	8	31	1	23	1403	4.02	34	<2	121	<0.5	<3	<3	42	4.39	0.12	8	2	0.59	30	0.009	<20	1.12	0.04	0.25	<2	<5	<1	<5	2.31	<5	30-Jul-12
CA1206	Drill Core	148.0	150.0	Acme	SMI12000104	1936219	REP			<2	<0.3	134	3	7	32	3	24	1414	4.08	33	3	122	<0.5	<3	<3	43	4.4	0.12	8	5	0.59	33	0.009	<20	1.12	0.04	0.25	<2	<5	<1	6	2.31	<5	30-Jul-12
CA1206	Drill Core	80.0	82.0	Acme	SMI12000104	1936184	PD	3.86	0.251	<2	<0.3	758	11	6	49	2	10	809	4.73	6	3	40	0.6	<3	<3	52	2.17	0.12	8	4	0.85	75	0.004	<20	1.28	0.04	0.29	<2	<5	<1	<5	2.85	<5	30-Jul-12
CA1206	Drill Core	80.0	82.0	Acme	SMI12000104	1936184	REP			<2	<0.3	779	11	7	51	2	11	828	4.90	6	4	42	0.7	<3	<3	53	2.23	0.13	8	4	0.88	80	0.005	<20	1.32	0.04	0.30	<2	<5	<1	<5	2.93	<5	30-Jul-12
CA1206	Drill Core	96.0	98.0	Acme	SMI12000104	1936192	PREP	4.51	0.165	<2	<0.3	254	3	9	34	2	63	699	5.75	25	2	24	0.5	<3	<3	28	1.8	0.13	6	3	0.74	50	<0.001	<20	1.09	<0.01	0.26	<2	<5	<1	<5	5.36	<5	30-Jul-12
CA1206	Drill Core	96.0	98.0	Acme	SMI12000104	1936192	DUP	<0.01	0.181	<2	0.3	258	4	17	37	2	67	719	6.24	28	3	25	0.5	<3	<3	31	1.86	0.13	7	4	0.78	60	0.001	<20	1.21	<0.01	0.34	<2	<5	<1	<5	5.69	<5	30-Jul-12
CA1206	Drill Core	160.0	162.0	Acme	SMI12000104	1936226	PREP	4.77	0.094	<2	<0.3	87	1	4	19	16	16	1428	4.63	10	<2	77	<0.5	<3	3	54	4.76	0.17	12	24	1.54	317	0.001	<20	2.32	0.01	0.28	<2	<5	<1	14	0.33	6	30-Jul-12
CA1206	Drill Core	160.0	162.0	Acme	SMI12000104	1936226	DUP	<0.01	0.083	<2	0.4	87	<1	<3	19	17	16	1442	4.71	10	<2	93	<0.5	4	4	54	5	0.17	12	25	1.51	431	0.001	<20	2.43	0.01	0.28	<2	<5	<1	15	0.34	6	30-Jul-12
CA1206	Drill Core	226.0	228.0	Acme	SMI12000104	1936260	PREP	3.56	0.209	<2	<0.3	348	11	4	27	2	6	620	3.96	4	3	42	<0.5	<3	4	47	1.92	0.13	6	4	0.9	88	0.006	<20	1.34	0.02	0.28	<2	<5	<1	6	2.37	<5	30-Jul-12
CA1206	Drill Core	226.0	228.0	Acme	SMI12000104	1936260	DUP	<0.01	0.191	<2	<0.3	355	12	<3	28	2	6	622	3.95	3	4	42	<0.5	<3	4	49	1.9	0.13	6	4	0.91	169	0.006	<20	1.32	0.02	0.30	<2	<5	<1	6	2.31	<5	30-Jul-12
CA1206	Drill Core	292.0	294.0	Acme	SMI12000104	1936294	PREP	4.24	1.179	<2	0.4	402	4	8	39	1	10	546	3.98	6	3	134	<0.5	<3	4	47	2.37	0.12	6	3	0.9	181	0.023	<20	1.25	0.03	0.20	<2	<5	<1	7	2.52	<5	30-Jul-12
CA1206	Drill Core	292.0	294.0	Acme	SMI12000104	1936294	DUP	<0.01	1.159	<2	0.3	417	5	5	40	2	10	565	4.05	6	3	141	<0.5	<3	4	50	2.45	0.12	7	4	0.94	196	0.025	<20	1.31	0.03	0.20	<2	<5	<1	7	2.43	<5	30-Jul-12

All assays ppm except Ca, Fe, K, Na, Mg, P, S, Ti in %

HOLES PLOTTED

TOTAL 6

CA1201 CA1202 CA1203 CA1204 CA1205 CA1206

BAR GRAPHS	L/R	COL
Au_ppm	L	1 / 0.5 / 0.25 / 0.1
Cu_ppm	R	2500 / 2000 / 1000 / 500

ASSAYS	L/R	TEXT
Au_ppm	L	-------
Cu_ppm	R	-------

PLAN SPECS:

REF. PT. E, N	427200 m	6409000 m
EXTENTS	1321 m	1007 m

SCALE 1 : 1000

(m)

-10 0 10 20 30 40 50 60

NAD83 / UTM zone 9N

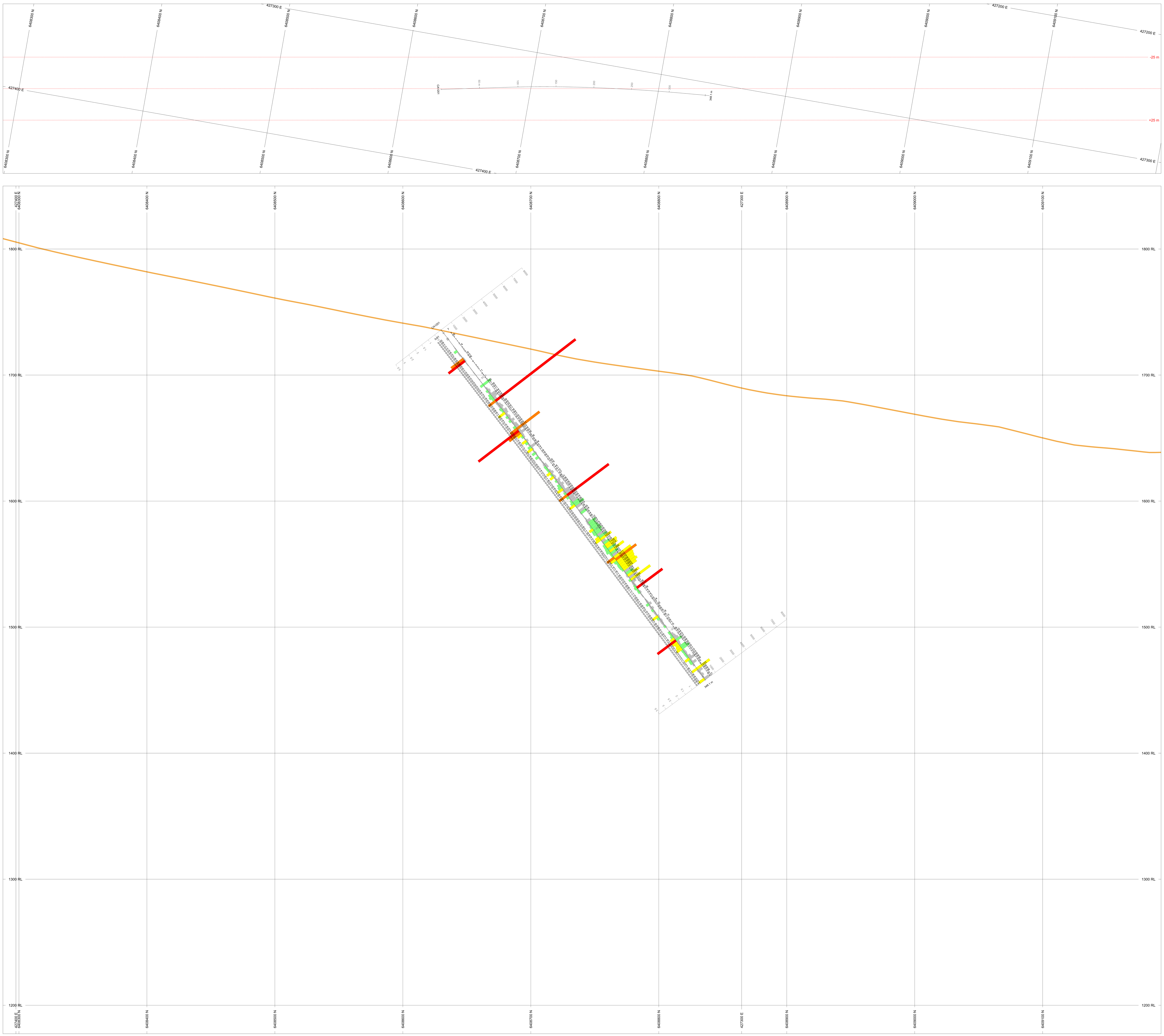
N W E S

West Cirque Resources Ltd.

CASTLE PROPERTY

2012 Diamond Drilling

Northwestern British Columbia



HOLES PLOTTED

TOTAL 1

CA1201

WEST CIRQUE RESOURCES

BAR GRAPHS	L/R	COL
Au_ppm	L	1, 0.5, 0.25, 0.1
Cu_ppm	R	2500, 2000, 1000, 500

ASSAYS	L/R	TEXT
Au_ppm	L	-------
Cu_ppm	R	-------

SECTION SPECS:

REF. PT. E, N	427322 m	6408740 m
EXTENTS	919 m	672.6 m
SECTION TOP, BOT	1850 m	1177 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40 50

NAD83 / UTM zone 9N

AZIMUTH = 350°

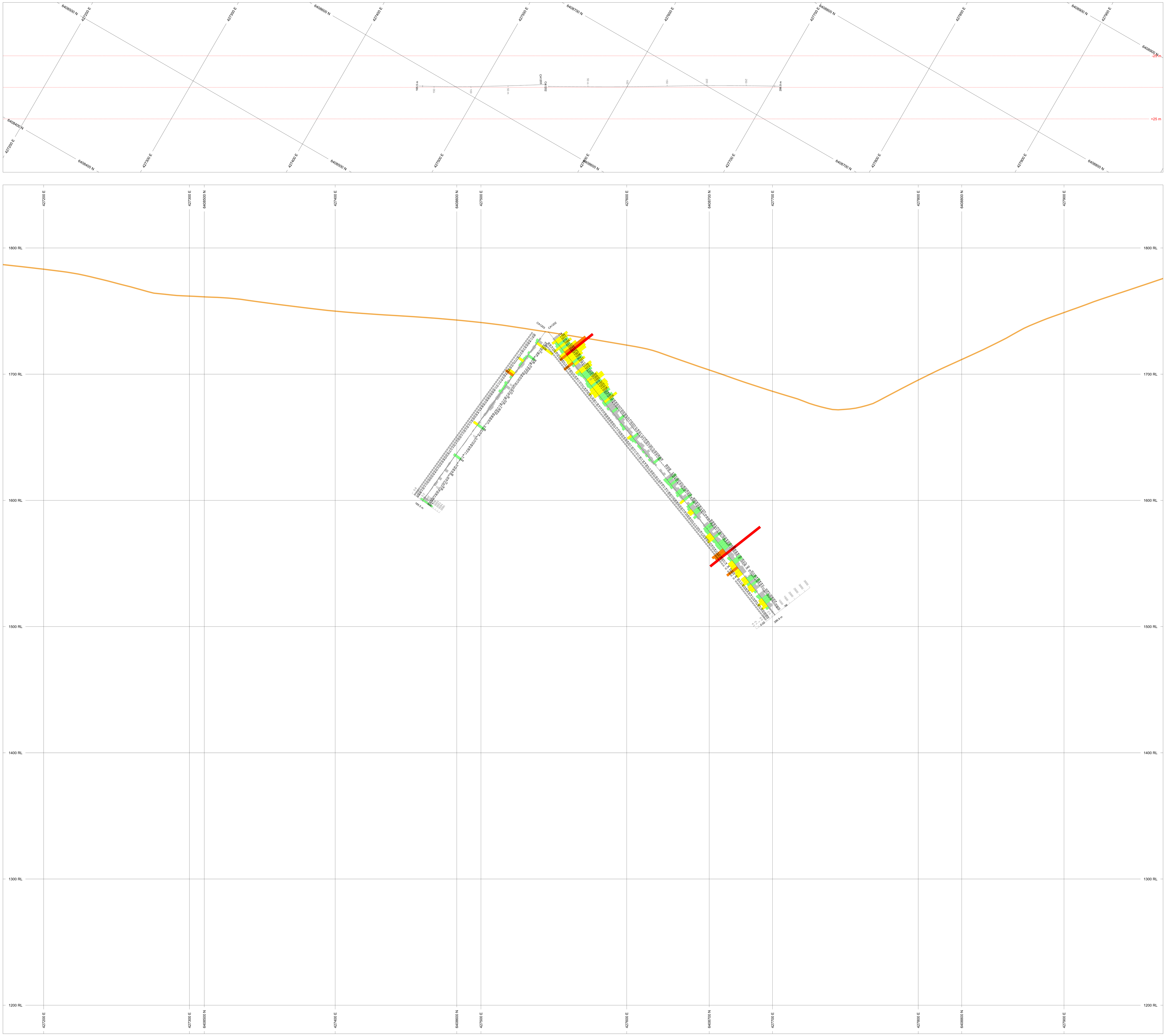
N W E S

WEST CIRQUE RESOURCES LTD.

CASTLE PROPERTY

2012 Diamond Drilling

Section 1E Looking W



HOLES PLOTTED

TOTAL 2

CA1202 CA1203

WEST CIRQUE RESOURCES

BAR GRAPHS	L/R	COL
Au_ppm	L	1, 0.5, 0.25, 0.1
Cu_ppm	R	2500, 2000, 1000, 500

ASSAYS	L/R	TEXT
Au_ppm	L	-------
Cu_ppm	R	-------

SECTION SPECS:

REF. PT. E, N	427570 m	6408650 m
EXTENTS	919 m	672.6 m
SECTION TOP, BOT	1850 m	1177 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40 50

NAD83 / UTM zone 9N

AZIMUTH = 60°

N W E S

WEST CIRQUE RESOURCES LTD.

CASTLE PROPERTY

2012 Diamond Drilling

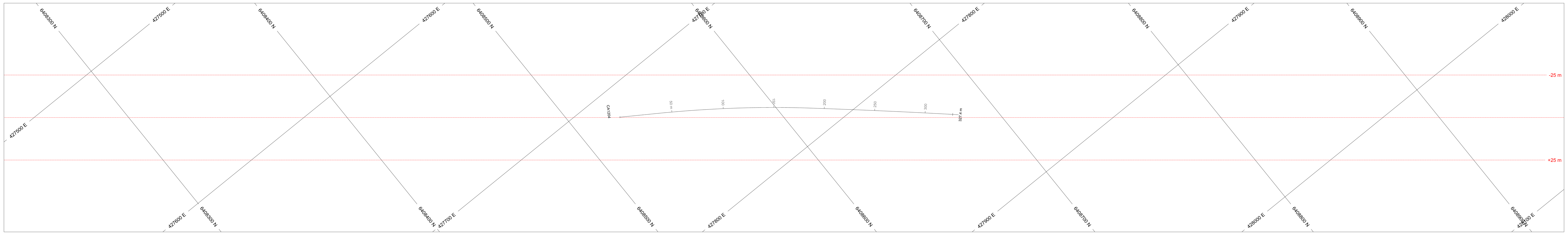
Section 2E Looking NNW

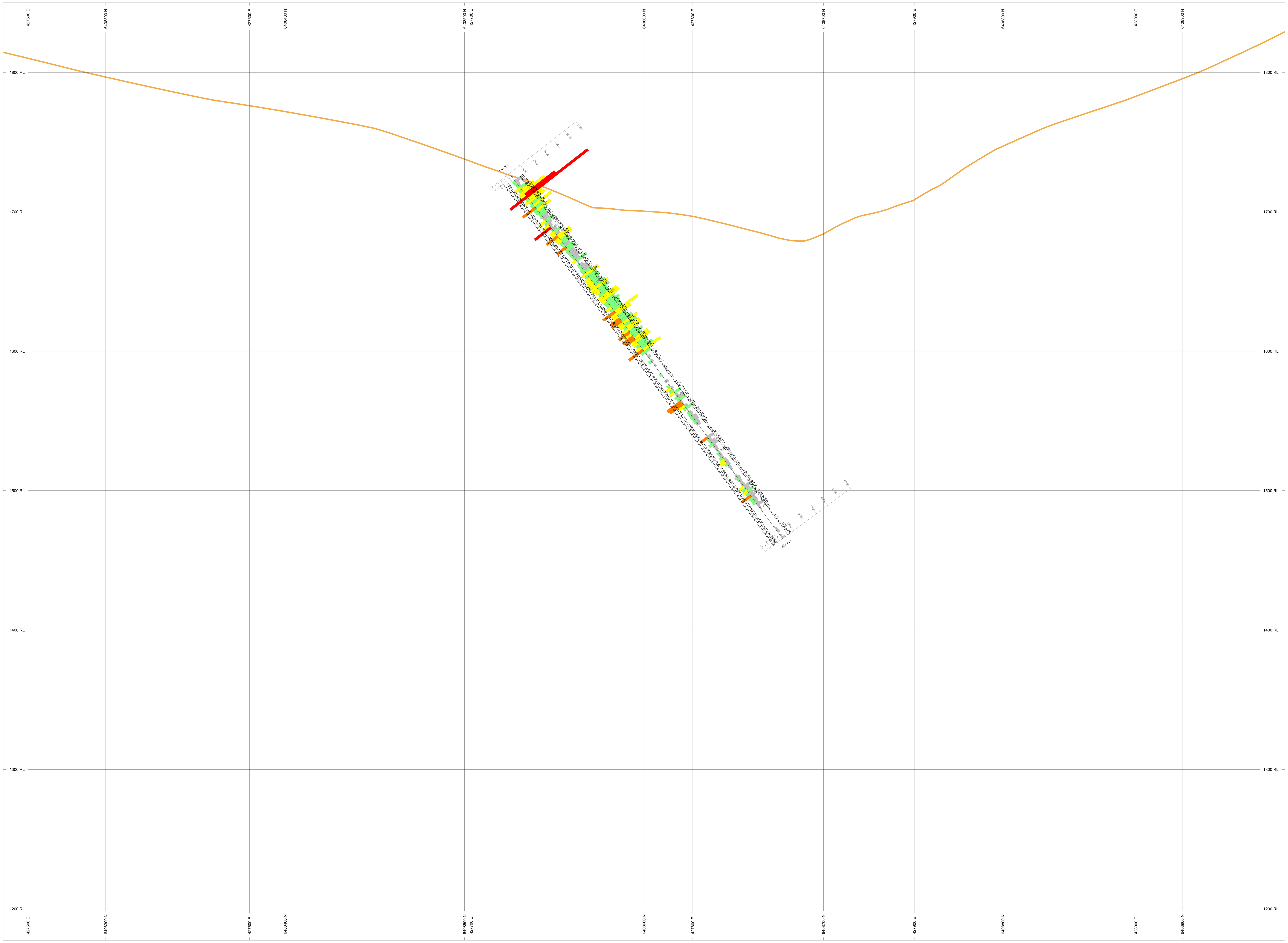
HOLES PLOTTED

TOTAL 1

CA1204

WEST CIRQUE RESOURCES





BAR GRAPHS	L/R	COL
Au_ppm	L	1 / 0.5 / 0.25 / 0.1
Cu_ppm	R	2500 / 2000 / 1000 / 500

ASSAYS	L/R	TEXT
Au_ppm	L	-------
Cu_ppm	R	-------

SECTION SPECS:

REF. PT. E, N	427778 m	6408600 m
EXTENTS	919 m	672.6 m
SECTION TOP, BOT	1850 m	1177 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40 50

NAD83 / UTM zone 9N

AZIMUTH = 39°

N W E S

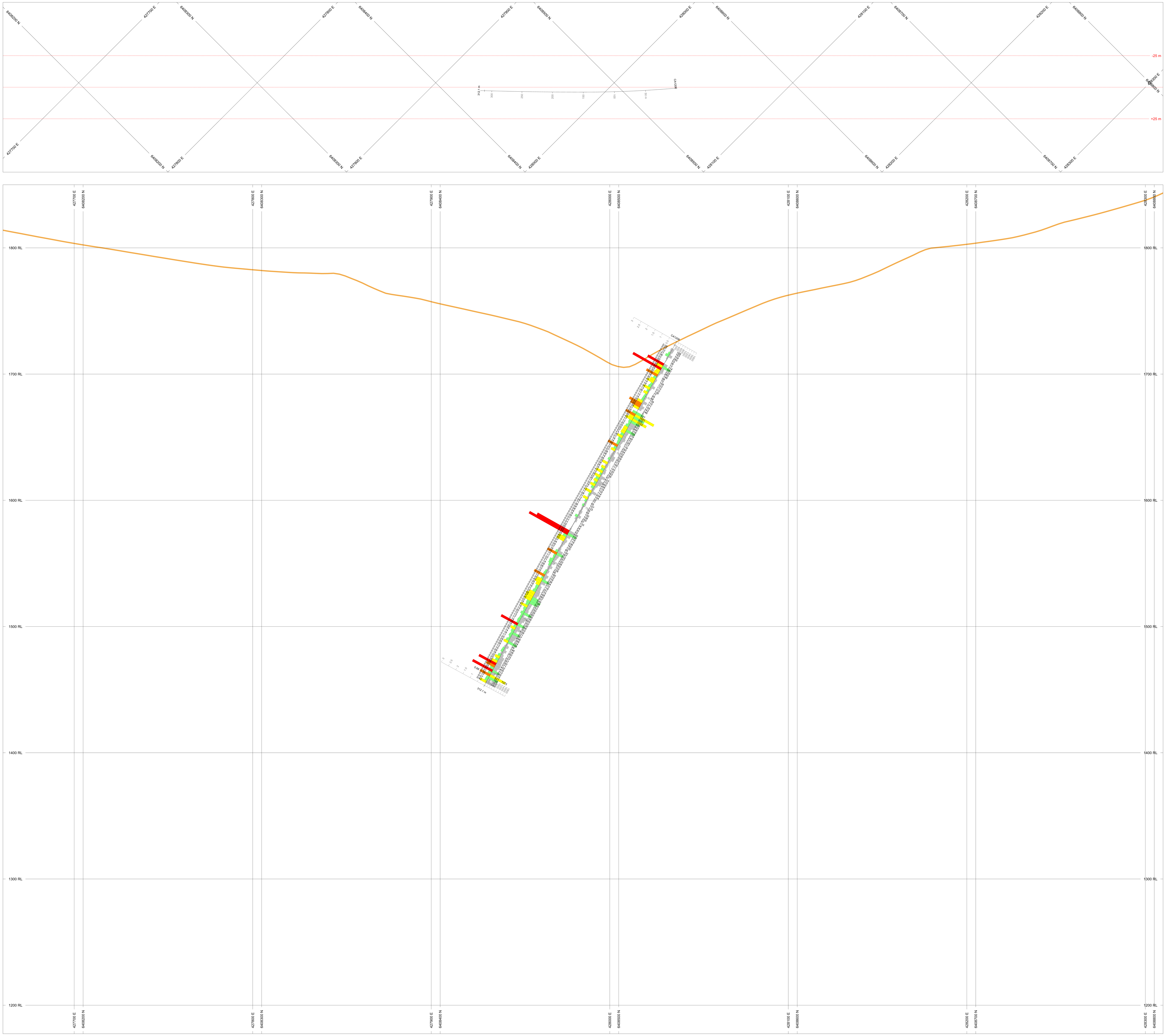
WEST CIRQUE RESOURCES LTD.

CASTLE PROPERTY

2012 Diamond Drilling

Section 3E Looking NW

HOLES PLOTTED
TOTAL 1
CA1206



BAR GRAPHS L/R COL
Au_ppm L
1
0.5
0.25
0.1
Cu_ppm R
2500
2000
1000
500

ASSAYS L/R TEXT
Au_ppm L -------
Cu_ppm R -------

SECTION SPECS:

REF. PT. E, N	427985 m	6408480 m
EXTENTS	919 m	672.6 m
SECTION TOP, BOT	1850 m	1177 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

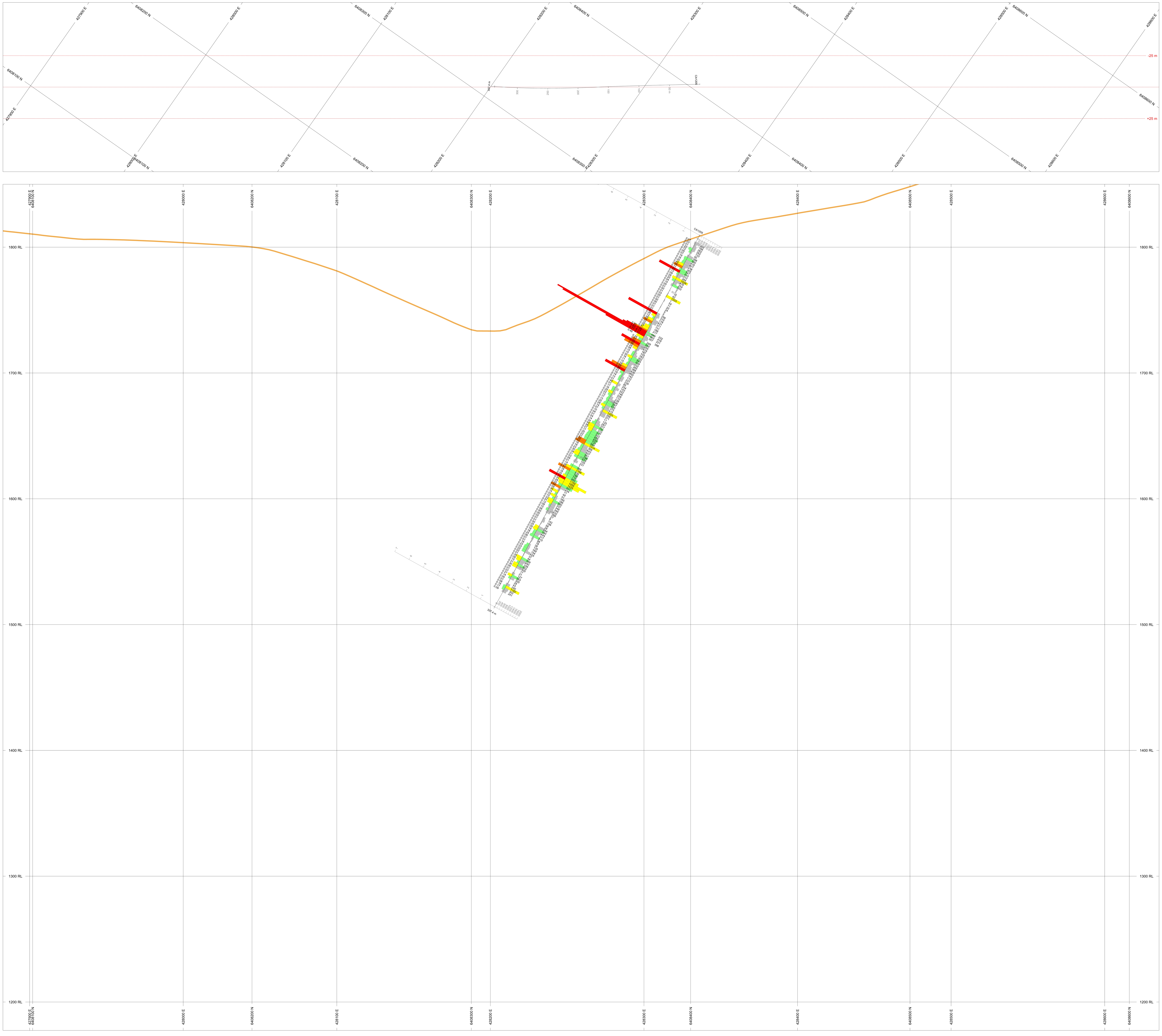
(m)

-10 0 10 20 30 40 50

NAD83 / UTM zone 9N

AZIMUTH = 45°
N W E S

WEST CIRQUE RESOURCES LTD.
CASTLE PROPERTY
2012 Diamond Drilling
Section 4E Looking NW



HOLES PLOTTED

TOTAL 1

CA1205

WEST CIRQUE RESOURCES

BAR GRAPHS	L/R	COL
Au_ppm	L	1, 0.5, 0.25, 0.1
Cu_ppm	R	2500, 2000, 1000, 500

ASSAYS	L/R	TEXT
Au_ppm	L	-------
Cu_ppm	R	-------

SECTION SPECS:

REF. PT. E, N	428259 m	6408350 m
EXTENTS	919 m	672.6 m
SECTION TOP, BOT	1850 m	1177 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40 50

NAD83 / UTM zone 9N

AZIMUTH = 55°

N E S W

WEST CIRQUE RESOURCES LTD.

CASTLE PROPERTY

2012 Diamond Drilling

Section 5E Looking NW

Appendix C Statement of Expenditures

Item	Name	Date	#	Cost	Item sub-total	Sub-totals	
CASTLE DRILLING WORK COSTS							
Geological - salaries and wages			days	daily rate			
	Tony Barressi		43	550	23650.00		
	Tyler Ruks		29	425	12325.00		
	Bruno Kieffer		33	350	11550.00		
	Nigel Luckman		15	425	6375.00		
	Darren Louie		33	225	7425.00		
	John Bradford		22	500	11000.00		
	John Fleishman		42	425	17850.00		
						90175.00	
Food & Accommodation: on-site							
	Red Goat		5	200	1,000.00		
	Mountain Shadow		22	112	2,464.00		
	Iskut Hotel - room and board, contractors		190	150	28,500.00		
	Food		184	25	4,600.00		217-33=184 as we didn't pay for Darren's food
						36564.00	
Field Supplies							
	Sample bags, consumables, pickets, other materials						
					841.12		
					213.16		
					113.40		
					201.95		
					106.42		
					300.97		
					29.89		
						1806.91	
Communications							
	Satellite internet: setup				1759.74		
	Satellite internet: rental & time and charges				672.00		
	Satellite internet: rental & time and charges				672.00		
	Radio Rentals June		Canada Wide R2580		201.60		
	Radio rentals July		Canada Wide R2580		201.60		
						3506.94	
Report			days	daily rate			
	Preparation		10	500	5000.00		
	Materials, maps, binding, copying		1	100	100.00		
						5100.00	
Freight							
	Bandstra	S180133			267.41		
	Bandstra	S180266			81.13		
	Bandstra	S180267			274.27		
	Bandstra	S180680			483.74		
	Bandstra	S180012			745.67		
	Bandstra	S181070			53.73		
	Bandstra	S181324			516.08		
	Bandstra	S181650			390.17		
	Bandstra	S182614			134.28		
						2946.48	
Geochemical							
	Acme Analytical Lab	VANI133014			1645.32		
	Acme Analytical Lab	VANI135832			6433.06		
	Acme Analytical Lab	VANI136623			5425.32		
	Acme Analytical Lab	VANI137083			5472.94		
	Acme Analytical Lab	VANI137577			7291.63		
	Acme Analytical Lab	VANI137695			3478.96		
	Acme Analytical Lab	VANI137696			4989.06		
						34736.29	
Vehicle							
	Truck rental (2)		60	80	4800.00		
	Mileage		1200	0.25	300.00		
						5100.00	
Drilling							
	Ridgeline Drilling - deposit				25000.00		
	Ridgeline Drilling - R0028				137915.34		
	Ridgeline Drilling - R0029				98986.32		
						261901.66	
Drilling support - Fuel, Expediting, Pad and Building Construction							
	Whiskey Creek - 1272		fuel, accommodations		13212.51		
	Whiskey Creek - 1314		fuel, accommodations		5326.64		
	Whiskey Creek - 1318		fuel, accommodations		1815.75		
				fuel	421.05		
	Rugged Edge Holdings		pad building, labour, rental		24,396.80		
						45172.75	
MOB/DEMOB COSTS							
Food & Accommodation: travel to/from site			man-days	rate			
	Hotel		18	75	1350.00		
	Food		12	50	600.00		
						1950.00	
Vehicle							
	Truck rental (2)		8	80	640.00		
	Mileage		6400	0.25	1600.00		
						2240.00	
			SUBTOTAL work/mob-demob			**491200.03**	
Transportation on-site - Helicopter							
	Pacific Western Helicopters			June 14-20	61421.05		
	PWH - 29625			June 21-26	28719.06		
	PWH - 29640			June 27-30	15722.11		
	PWH - 29650			June 29	839.31		
	PWH - 29660			July 1-15	60892.79		
			SUBTOTAL helicopter costs:		**167594.32**		
			Allowable helicopter costs (maximum of 50% work)			**167594.32**	
			Assessment work to claim:			**658794.35**	

Item	Name	Date	#	Cost	Item sub-total	Sub-totals
CASTLE Ground Magnetometer Survey						
WORK COSTS						
Geophysical - salaries and wages			days	daily rate		
	Tyler Ruks		7	425	2975.00	
	Bruno Kieffer		7	350	2450.00	
	Nigel Luckman		9	425	3825.00	
			23			**9250.00**
Food & Accommodation: on-site						
	Accommodation (see drilling)				0.00	
	Food		21	25	525.00	
						525.00
Field Supplies						
Equipment Rental						
	Geometrics				1591.76	
					1931.49	
						3523.25
Freight						
	Fedex					
	Courier and brokerage services US to Canada				706.00	
	Courier and brokerage services Canada to US				706.00	
						1412.00
Communications						
	Satellite internet: rental & time and charges			see drilling		
	Radio rental					
						0.00
Report			days	daily rate		
	Preparation		5	500	2500.00	
	Materials, maps, binding, copying		1	100	100.00	
						2600.00
Vehicle						
	Truck rental		7	80	560.00	
	Mileage		400	0.25	100.00	
						660.00
MOB/DEMOB COSTS						
Food & Accommodation: travel to/from site			man-days	rate		
	Hotel		0	75	0.00	
	Food		6	50	300.00	
						300.00
Wages: travel to/from site - included in salaries and wages			days	daily rate		
	Tyler Ruks		2	425	850.00	
	Bruno Kieffer		2	350	700.00	
	Nigel Luckman		2	425	850.00	
						2400.00
Airline flights						
Vehicle						
	Truck rental		2	80	160.00	
	Mileage		1200	0.25	300.00	
						460.00
			SUBTOTAL work/mob-demob			**21130.25**
Transportation on-site - Helicopter						
	Pacific Western Helicopters			July 27-July 31	14635.47	
			SUBTOTAL helicopter costs:		**14635.47**	
	Allowable helicopter costs (max allowed as combined with drilling)					**14635.47**
			Assessment work to claim:			**35765.72**

TOTAL (drilling + mag) **694560.07**

Appendix D Assay Certificates

AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

www.acmelab.com

Client: **West Cirque Resources**
530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Submitted By:	John Bradford
Receiving Lab:	Canada-Smithers
Received:	June 21, 2012
Report Date:	July 03, 2012
Page:	1 of 3

CERTIFICATE OF ANALYSIS SMI12000031.1

CLIENT JOB INFORMATION

Project:	None Given
Shipment ID:	
P.O. Number	
Number of Samples:	48

SAMPLE DISPOSAL

STOR-PLP	Store After 90 days Invoice for Storage
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	48	Crush, split and pulverize 250 g rock to 200 mesh			SMI
G601	48	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
1D01	48	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: West Cirque Resources
530 - 510 Burrard Street
Vancouver BC V6C 3A8
Canada

CC: Nigel Luckman

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

Client: West Cirque Resources
530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 03, 2012

CERTIFICATE OF ANALYSIS SMI12000031.1

	Method	WGHT	P200	P200	P200	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	QC TOT	QC MNS	QC PASS	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb
	Unit	kg	g	g	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.1	0.1	0.1	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3
G1-SMI	Prep Blank	<0.01				<0.005	<1	1	<3	42	<0.3	2	<1	492	1.70	<2	<2	3	46	<0.5	<3
G1-SMI	Prep Blank	<0.01				<0.005	<1	<1	<3	45	<0.3	2	1	538	1.75	<2	<2	5	64	<0.5	<3
928192	Rock	1.87				0.146	7	27	12	57	0.6	2	6	207	5.93	19	<2	<2	10	<0.5	<3
928193	Rock	1.24				0.201	8	541	11	21	0.7	3	12	336	4.65	45	<2	<2	10	<0.5	<3
928194	Rock	1.82				0.294	11	649	4	64	0.5	1	8	1504	3.79	12	<2	<2	33	<0.5	<3
928195	Rock	1.25				0.086	7	568	4	33	0.4	2	7	1555	2.60	7	<2	<2	43	<0.5	<3
1936601	Rock	2.15				0.250	8	543	6	31	0.6	3	11	1613	5.77	17	<2	<2	37	<0.5	<3
1936602	Rock	2.02				0.082	20	229	7	47	<0.3	1	10	1541	6.88	31	<2	<2	29	<0.5	<3
1936603	Rock	1.96				0.188	4	57	<3	59	0.5	2	16	1388	4.89	19	<2	<2	48	<0.5	<3
1936701	Rock	1.01				0.008	<1	18	4	108	<0.3	8	16	1354	4.17	<2	<2	<2	57	<0.5	<3
1936702	Rock	0.96				0.037	1	191	3	55	<0.3	2	6	820	3.05	5	<2	<2	48	<0.5	<3
1936703	Rock	0.77				0.112	2	371	13	59	0.6	2	7	6349	3.67	4	<2	<2	404	1.0	<3
1936704	Rock	1.00				0.066	10	348	<3	71	<0.3	1	2	1221	3.94	12	<2	<2	30	<0.5	<3
1936705	Rock	1.13				<0.005	<1	18	3	56	<0.3	34	19	651	4.32	<2	<2	<2	156	<0.5	<3
1936706	Rock	1.10				0.044	4	263	9	75	0.3	36	25	1662	10.04	5	<2	<2	29	<0.5	<3
1936707	Rock	0.97				0.017	<1	3816	4	6	1.2	2	2	805	0.87	2	<2	<2	355	<0.5	4
1936708	Rock	0.75				0.198	2	87	<3	55	2.2	2	4	551	2.31	<2	<2	2	27	<0.5	<3
1936709	Rock	0.69				0.674	2	773	4	47	<0.3	1	4	785	3.31	4	<2	3	38	<0.5	<3
1936710	Rock	1.12				0.326	5	628	7	67	<0.3	2	6	836	4.50	<2	<2	2	38	<0.5	<3
1936711	Rock	0.91				0.580	17	332	<3	14	2.1	2	6	700	4.18	13	<2	2	39	<0.5	<3
1936712	Rock	1.02				0.043	<1	47	<3	43	<0.3	1	7	939	3.18	<2	<2	3	87	<0.5	<3
1936713	Rock	1.08				0.059	4	38	<3	64	0.3	1	7	1497	3.69	10	<2	<2	41	<0.5	<3
1936714	Rock	1.20				0.040	2	107	<3	56	<0.3	<1	4	1738	2.87	8	<2	<2	121	<0.5	<3
1936715	Rock	1.34				0.039	13	129	6	45	<0.3	2	5	1775	4.39	25	<2	<2	38	<0.5	<3
1936716	Rock	1.16				0.073	15	818	<3	57	<0.3	2	5	1048	3.02	3	<2	3	34	<0.5	<3
1936717	Rock	1.23				0.129	21	559	10	62	<0.3	2	15	1977	5.96	19	<2	<2	41	<0.5	<3
1936718	Rock	1.32				1.306	13	2932	4	84	0.7	2	11	1395	4.26	6	<2	<2	27	<0.5	<3
1936719	Rock	1.15				0.066	20	578	5	100	<0.3	2	9	1885	4.96	5	<2	<2	40	<0.5	<3
1936720	Rock	1.21				0.457	<1	2510	<3	46	1.6	1	2	606	0.62	<2	<2	<2	128	<0.5	<3
1936721	Rock	1.45				0.018	3	134	14	31	0.4	2	21	>10000	5.90	8	<2	<2	59	0.6	<3

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Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 03, 2012

CERTIFICATE OF ANALYSIS SMI12000031.1

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	Sc	S
	Unit	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	%
	MDL	3	1	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	5	0.05
G1-SMI	Prep Blank	<3	31	0.37	0.073	8	4	0.45	161	0.106	<20	0.76	0.06	0.43	<2	<5	<1	<5	<5	<0.05
G1-SMI	Prep Blank	<3	32	0.41	0.076	8	4	0.50	149	0.107	<20	0.78	0.07	0.43	<2	<5	<1	<5	<5	<0.05
928192	Rock	<3	36	0.26	0.160	4	2	0.75	69	0.001	<20	1.32	0.02	0.27	<2	<5	<1	<5	<5	2.91
928193	Rock	<3	13	0.76	0.128	1	2	0.24	42	<0.001	<20	0.53	<0.01	0.27	<2	<5	<1	<5	<5	4.07
928194	Rock	<3	51	1.74	0.130	6	2	1.19	201	0.004	<20	1.69	0.02	0.29	<2	<5	<1	5	5	1.30
928195	Rock	<3	30	2.67	0.150	5	2	0.64	107	<0.001	<20	1.03	0.02	0.31	<2	<5	<1	<5	5	1.06
1936601	Rock	<3	33	2.94	0.141	2	2	0.64	42	0.001	<20	1.13	0.01	0.32	<2	<5	<1	<5	<5	4.67
1936602	Rock	<3	38	2.26	0.134	5	<1	1.31	51	0.002	<20	2.56	<0.01	0.31	<2	<5	<1	6	<5	2.55
1936603	Rock	<3	44	2.09	0.134	8	3	0.98	39	0.003	<20	1.60	0.02	0.31	<2	<5	<1	5	<5	2.87
1936701	Rock	<3	85	1.66	0.097	7	24	2.20	86	0.137	<20	2.41	0.04	0.14	<2	<5	<1	<5	<5	<0.05
1936702	Rock	<3	62	1.53	0.153	5	3	1.18	173	0.028	<20	1.24	0.05	0.15	<2	<5	<1	<5	7	1.81
1936703	Rock	<3	39	17.30	0.060	12	1	0.99	94	0.002	<20	1.24	<0.01	0.15	<2	<5	<1	<5	<5	1.23
1936704	Rock	<3	46	1.66	0.132	6	3	1.65	56	0.004	<20	2.05	0.03	0.28	<2	<5	<1	7	<5	1.49
1936705	Rock	<3	125	2.24	0.095	5	40	2.16	140	0.191	<20	4.10	0.36	0.10	<2	<5	<1	<5	5	0.10
1936706	Rock	<3	91	0.55	0.263	10	44	1.81	248	0.010	<20	2.64	0.02	0.15	<2	<5	<1	<5	8	0.07
1936707	Rock	<3	2	2.22	0.003	4	6	0.05	250	0.001	<20	0.15	0.01	0.08	<2	<5	<1	<5	<5	0.44
1936708	Rock	<3	35	0.17	0.025	2	5	0.47	178	0.032	<20	0.60	0.04	0.06	<2	<5	<1	<5	<5	<0.05
1936709	Rock	<3	29	1.87	0.089	7	4	0.89	479	0.002	<20	1.37	0.02	0.27	<2	<5	<1	<5	<5	0.76
1936710	Rock	<3	60	1.11	0.100	9	4	1.00	645	0.011	<20	1.29	0.04	0.16	<2	<5	<1	6	<5	0.11
1936711	Rock	<3	11	2.81	0.108	8	2	0.17	94	0.001	<20	0.75	<0.01	0.32	<2	<5	<1	<5	<5	3.41
1936712	Rock	<3	58	2.35	0.117	10	3	1.03	1038	0.003	<20	1.43	0.04	0.18	<2	<5	<1	6	5	0.10
1936713	Rock	<3	52	1.89	0.140	10	3	1.08	329	0.005	<20	1.54	0.03	0.24	<2	<5	<1	5	<5	1.09
1936714	Rock	<3	48	2.45	0.143	17	2	1.03	668	0.004	<20	1.45	0.02	0.31	<2	<5	<1	<5	6	0.55
1936715	Rock	<3	27	2.74	0.133	3	2	0.88	67	0.001	<20	1.35	0.02	0.28	<2	<5	<1	<5	5	2.88
1936716	Rock	<3	20	2.15	0.121	12	<1	0.96	563	0.001	<20	1.68	0.02	0.31	<2	<5	<1	<5	<5	0.12
1936717	Rock	<3	52	3.04	0.131	4	2	1.37	105	0.002	<20	2.45	<0.01	0.34	<2	<5	<1	7	<5	2.02
1936718	Rock	<3	51	1.11	0.123	7	3	1.11	396	0.013	<20	1.64	0.03	0.24	<2	<5	<1	<5	<5	0.74
1936719	Rock	<3	64	1.71	0.145	8	3	1.17	420	0.004	<20	1.92	0.02	0.30	<2	<5	<1	6	5	0.57
1936720	Rock	<3	<1	0.14	0.001	1	7	0.02	2103	<0.001	<20	0.10	<0.01	0.02	<2	<5	<1	<5	<5	0.20
1936721	Rock	<3	33	7.69	0.014	5	4	2.21	276	<0.001	<20	0.31	<0.01	0.08	<2	<5	<1	<5	<5	0.78

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CERTIFICATE OF ANALYSIS SMI12000031.1

	Method	WGHT	P200	P200	P200	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	QC TOT	QC MNS	QC PASS	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb
	Unit	kg	g	g	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.1	0.1	0.1	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3
1936751	Rock	1.42				0.008	5	14	4	6	<0.3	<1	1	516	0.43	<2	<2	<2	59	<0.5	<3
1936752	Rock	0.76				0.006	<1	4	18	48	<0.3	46	16	542	2.45	7	<2	<2	124	<0.5	<3
1936753	Rock	0.88				0.009	<1	16	14	49	<0.3	42	20	839	3.78	4	<2	<2	135	<0.5	<3
1936754	Rock	1.38				0.107	9	12	5	2	0.3	2	10	255	2.70	6	<2	<2	14	<0.5	<3
1936755	Rock	1.35				0.228	28	51	28	49	4.7	7	13	681	23.04	111	<2	2	6	<0.5	<3
1936756	Rock	0.93				1.041	6	25	3	<1	5.2	5	<1	22	2.80	57	<2	<2	12	<0.5	<3
1936757	Rock	1.29				0.010	<1	90	<3	5	<0.3	2	3	1332	2.02	3	<2	2	67	<0.5	<3
1936758	Rock	1.47				0.134	4	296	<3	51	<0.3	2	6	922	3.37	5	<2	4	77	<0.5	<3
1936759	Rock	1.11				0.010	<1	29	<3	10	<0.3	1	3	647	1.67	8	<2	3	22	<0.5	<3
1936760	Rock	0.92				0.014	<1	12	<3	133	0.3	2	8	619	6.85	14	<2	<2	9	<0.5	<3
1936761	Rock	1.55				0.083	13	63	<3	3	<0.3	2	7	1437	4.46	49	<2	<2	58	<0.5	<3
1936762	Rock	1.18				0.327	10	1804	<3	7	0.6	2	6	1480	4.93	26	<2	<2	40	<0.5	<3
1936763	Rock	1.10				0.483	5	1755	4	14	<0.3	2	12	4770	3.98	11	<2	<2	199	<0.5	3
1936764	Rock	1.31				0.226	2	1094	<3	30	<0.3	1	3	1482	4.04	3	<2	3	79	<0.5	<3
1936765	Rock	0.89				0.078	2	1076	<3	41	<0.3	<1	5	1669	3.88	<2	<2	4	28	<0.5	<3
1936851	Rock	2.07				0.093	9	51	4	4	0.4	<1	8	2481	2.95	13	<2	2	165	<0.5	<3
1936852	Rock	2.17				0.160	15	813	<3	39	0.3	2	3	1487	3.45	8	<2	<2	39	<0.5	<3
1936853	Rock	1.75				0.197	8	679	<3	60	0.3	1	3	1610	3.56	16	<2	<2	51	<0.5	<3
1936854	Rock	1.62				0.652	7	3129	<3	12	1.4	2	16	473	3.61	6	<2	3	16	<0.5	<3
1936855	Rock	1.71				0.208	5	1695	<3	6	<0.3	<1	16	1376	4.44	27	<2	2	39	<0.5	<3

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CERTIFICATE OF ANALYSIS SMI12000031.1

Method		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte		Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	Sc	S
Unit		ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	%
MDL		3	1	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	5	0.05
1936751	Rock	<3	<1	2.51	0.016	18	3	0.10	232	<0.001	<20	0.39	0.01	0.25	<2	<5	<1	<5	<5	<0.05
1936752	Rock	<3	69	2.11	0.069	3	89	1.64	40	0.257	<20	1.86	0.05	0.01	<2	<5	<1	<5	<5	<0.05
1936753	Rock	<3	103	4.33	0.065	3	87	2.28	62	0.152	<20	3.22	0.20	0.12	<2	<5	<1	<5	9	0.10
1936754	Rock	<3	4	1.11	0.068	7	2	0.03	87	<0.001	<20	0.27	<0.01	0.22	<2	<5	<1	<5	<5	2.55
1936755	Rock	5	89	0.17	0.060	3	<1	1.29	7	0.009	<20	1.53	<0.01	0.08	8	<5	<1	<5	<5	>10
1936756	Rock	9	7	0.01	0.042	2	11	0.02	304	<0.001	<20	0.27	0.01	0.32	<2	<5	2	<5	<5	0.37
1936757	Rock	<3	10	4.11	0.086	15	3	0.36	122	<0.001	<20	0.97	0.01	0.32	<2	<5	<1	<5	<5	0.08
1936758	Rock	<3	56	2.47	0.117	10	4	0.69	733	0.009	<20	1.13	0.06	0.21	<2	<5	<1	6	6	0.23
1936759	Rock	5	5	1.64	0.044	16	2	0.63	278	0.002	<20	0.97	0.05	0.12	<2	<5	<1	<5	<5	0.07
1936760	Rock	5	78	0.26	0.155	2	3	1.74	104	0.001	<20	2.46	0.03	0.16	<2	8	<1	6	7	1.65
1936761	Rock	6	16	4.00	0.124	4	2	0.66	15	<0.001	<20	0.90	0.01	0.29	<2	<5	1	<5	<5	4.09
1936762	Rock	3	25	2.86	0.133	6	2	0.84	72	<0.001	<20	1.44	0.01	0.32	<2	7	<1	<5	<5	2.78
1936763	Rock	7	28	9.93	0.081	15	4	0.96	66	<0.001	<20	1.68	<0.01	0.18	<2	<5	<1	<5	5	1.15
1936764	Rock	5	47	2.63	0.110	9	3	0.81	1245	<0.001	<20	1.27	0.03	0.25	<2	<5	<1	<5	<5	0.14
1936765	Rock	<3	36	1.01	0.105	13	2	1.10	1179	0.001	<20	1.58	0.02	0.29	<2	<5	<1	<5	<5	<0.05
1936851	Rock	6	17	9.69	0.061	11	2	0.42	84	<0.001	<20	0.76	0.01	0.19	<2	<5	<1	<5	<5	1.80
1936852	Rock	4	53	2.11	0.145	7	2	1.30	265	0.004	<20	1.62	0.03	0.22	<2	<5	<1	6	6	0.81
1936853	Rock	<3	57	2.53	0.142	8	2	1.09	199	0.011	<20	1.53	0.02	0.26	<2	<5	<1	6	5	1.11
1936854	Rock	4	17	0.89	0.135	4	<1	0.34	61	<0.001	<20	0.76	0.01	0.30	<2	<5	<1	<5	<5	2.85
1936855	Rock	9	24	2.81	0.137	5	3	0.70	71	<0.001	<20	1.25	0.02	0.27	<2	<5	2	<5	<5	2.79

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Project: None Given
Report Date: July 03, 2012

QUALITY CONTROL REPORT SMI12000031.1

	Method	WGHT	P200	P200	P200	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	QC TOT	QC MNS	QC PASS	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb
	Unit	kg	g	g	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.1	0.1	0.1	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3
Pulp Duplicates																					
REP G1-SMI	QC						<1	<1	<3	45	<0.3	2	1	534	1.73	<2	<2	5	63	<0.5	<3
1936602	Rock	2.02				0.082	20	229	7	47	<0.3	1	10	1541	6.88	31	<2	<2	29	<0.5	<3
REP 1936602	QC					0.084															
1936762	Rock	1.18				0.327	10	1804	<3	7	0.6	2	6	1480	4.93	26	<2	<2	40	<0.5	<3
REP 1936762	QC					0.302															
REP 1936851	QC						7	51	<3	4	0.4	<1	8	2535	2.97	16	<2	<2	168	<0.5	<3
Core Reject Duplicates																					
1936703	Rock	0.77				0.112	2	371	13	59	0.6	2	7	6349	3.67	4	<2	<2	404	1.0	<3
DUP 1936703	QC	<0.01				0.114	2	349	23	60	0.7	2	7	6241	3.67	5	<2	<2	399	1.1	<3
1936851	Rock	2.07				0.093	9	51	4	4	0.4	<1	8	2481	2.95	13	<2	2	165	<0.5	<3
DUP 1936851	QC	<0.01				0.099	6	53	<3	3	0.8	<1	8	2571	3.07	10	<2	<2	170	<0.5	<3
Reference Materials																					
STD DS9	Standard						11	103	116	316	1.8	39	5	549	2.22	24	<2	5	64	2.2	5
STD DS9	Standard						12	94	122	340	1.8	39	6	550	2.20	24	<2	9	67	2.0	6
STD OREAS45CA	Standard						1	450	24	56	0.4	215	84	860	14.85	<2	<2	6	14	<0.5	<3
STD OREAS45CA	Standard						<1	464	11	59	<0.3	235	88	967	14.26	5	<2	8	15	<0.5	<3
STD OXG99	Standard					0.973															
STD OXG99	Standard					0.930															
STD OXK94	Standard					3.279															
STD OXK94 Expected						3.562															
STD OXG99 Expected						0.932															
STD OREAS45CA Expected							1	494	20	60	0.275	240	92	943	15.69	3.8	0.043	7	15	0.1	0.13
STD DS9 Expected							12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	0.118	6.38	69.6	2.4	4.94
BLK	Blank					<0.005															
BLK	Blank					0.007															
BLK	Blank					0.005															
BLK	Blank						<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3
BLK	Blank						<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3

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QUALITY CONTROL REPORT SMI12000031.1

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	Sc	S
	Unit	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	%
	MDL	3	1	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	5	0.05
Pulp Duplicates																				
REP G1-SMI	QC	<3	32	0.41	0.077	8	3	0.49	148	0.107	<20	0.77	0.07	0.43	<2	<5	<1	<5	<5	<0.05
1936602	Rock	<3	38	2.26	0.134	5	<1	1.31	51	0.002	<20	2.56	<0.01	0.31	<2	<5	<1	6	<5	2.55
REP 1936602	QC																			
1936762	Rock	3	25	2.86	0.133	6	2	0.84	72	<0.001	<20	1.44	0.01	0.32	<2	7	<1	<5	<5	2.78
REP 1936762	QC																			
REP 1936851	QC	9	17	9.81	0.064	12	1	0.43	59	<0.001	<20	0.77	<0.01	0.19	<2	<5	<1	<5	<5	1.79
Core Reject Duplicates																				
1936703	Rock	<3	39	17.30	0.060	12	1	0.99	94	0.002	<20	1.24	<0.01	0.15	<2	<5	<1	<5	<5	1.23
DUP 1936703	QC	<3	39	16.42	0.064	12	<1	0.99	107	0.001	<20	1.24	<0.01	0.15	2	<5	<1	<5	<5	1.23
1936851	Rock	6	17	9.69	0.061	11	2	0.42	84	<0.001	<20	0.76	0.01	0.19	<2	<5	<1	<5	<5	1.80
DUP 1936851	QC	3	18	10.11	0.064	12	2	0.44	68	<0.001	<20	0.78	0.01	0.20	<2	5	<1	<5	<5	1.85
Reference Materials																				
STD DS9	Standard	4	37	0.64	0.082	10	114	0.60	305	0.098	<20	0.85	0.07	0.37	5	<5	<1	<5	<5	0.17
STD DS9	Standard	9	36	0.68	0.083	10	108	0.61	323	0.098	<20	0.91	0.08	0.39	4	5	<1	5	<5	0.15
STD OREAS45CA	Standard	<3	193	0.41	0.037	15	660	0.12	153	0.115	<20	3.00	0.01	0.06	<2	<5	<1	<5	42	<0.05
STD OREAS45CA	Standard	<3	199	0.45	0.039	15	707	0.12	171	0.118	<20	3.29	0.01	0.06	<2	<5	<1	21	45	<0.05
STD OXG99	Standard																			
STD OXG99	Standard																			
STD OXK94	Standard																			
STD OXK94 Expected																				
STD OXG99 Expected																				
STD OREAS45CA Expected		0.19	215	0.4265	0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.07	0.03			0.021
STD DS9 Expected		6.32	40	0.7201	0.0819	13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	5.3	0.2	4.59	2.5	0.1615
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<3	<1	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<5	<1	<5	<5	<0.05
BLK	Blank	<3	<1	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<5	<1	<5	<5	<0.05

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Client: **West Cirque Resources**
530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 03, 2012

QUALITY CONTROL REPORT SMI12000031.1

		WGHT	P200	P200	P200	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
		Wgt	QC TOT	QC MNS	QC PASS	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb
		kg	g	g	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.1	0.1	0.1	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3
Prep Wash																					
G1-SMI	Prep Blank	<0.01				<0.005	<1	1	<3	42	<0.3	2	<1	492	1.70	<2	<2	3	46	<0.5	<3
G1-SMI	Prep Blank	<0.01				<0.005															
G1-SMI	Prep Blank						<1	<1	<3	45	<0.3	2	1	538	1.75	<2	<2	5	64	<0.5	<3

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Project: None Given
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QUALITY CONTROL REPORT SMI12000031.1

		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
		Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	Sc	S
		ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	%
		3	1	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	5	0.05
Prep Wash																				
G1-SMI	Prep Blank	<3	31	0.37	0.073	8	4	0.45	161	0.106	<20	0.76	0.06	0.43	<2	<5	<1	<5	<5	<0.05
G1-SMI	Prep Blank																			
G1-SMI	Prep Blank	<3	32	0.41	0.076	8	4	0.50	149	0.107	<20	0.78	0.07	0.43	<2	<5	<1	<5	<5	<0.05

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Client: **West Cirque Resources**
530 - 510 Burrard Street
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Submitted By:	John Bradford
Receiving Lab:	Canada-Smithers
Received:	June 28, 2012
Report Date:	July 16, 2012
Page:	1 of 8

CERTIFICATE OF ANALYSIS SMI12000045.1

CLIENT JOB INFORMATION

Project:	None Given
Shipment ID:	
P.O. Number	
Number of Samples:	179

SAMPLE DISPOSAL

STOR-PLP	Store After 90 days Invoice for Storage
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	176	Crush, split and pulverize 250 g rock to 200 mesh			SMI
G601	179	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
1D01	179	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: West Cirque Resources
530 - 510 Burrard Street
Vancouver BC V6C 3A8
Canada

CC: Nigel Luckman

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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530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 16, 2012

CERTIFICATE OF ANALYSIS SMI12000045.1

	Method	WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
G1-SMI	Prep Blank	<0.01	<0.005	<1	3	3	49	<0.3	4	4	618	2.08	<2	<2	5	63	<0.5	<3	<3	43	0.53
G1-SMI	Prep Blank	<0.01	<0.005	<1	2	4	47	<0.3	3	3	587	2.03	<2	<2	5	65	<0.5	<3	<3	42	0.54
1935401	Drill Core	3.76	0.005	1	7	<3	128	<0.3	3	12	2112	4.21	10	<2	2	30	<0.5	<3	<3	79	2.20
1935402	Drill Core	4.44	<0.005	1	7	<3	127	<0.3	2	7	2284	4.22	11	<2	<2	43	<0.5	<3	6	81	3.29
1935403	Drill Core	4.32	0.091	1	56	19	89	1.3	3	9	1603	7.12	80	<2	<2	48	<0.5	<3	<3	37	3.59
1935404	Drill Core	4.33	0.007	1	7	<3	75	<0.3	2	7	2043	3.53	17	<2	<2	62	<0.5	<3	<3	48	4.50
1935405	Drill Core	4.02	0.011	<1	<1	<3	115	<0.3	2	8	2268	4.15	7	<2	<2	47	<0.5	<3	<3	70	3.40
1935406	Drill Core	4.04	0.010	2	<1	3	118	<0.3	2	9	1891	4.61	8	<2	<2	37	<0.5	<3	<3	67	2.30
1935407	Drill Core	4.31	0.027	4	2	8	104	<0.3	2	16	1509	5.25	14	<2	<2	33	<0.5	<3	4	59	2.41
1935408	Drill Core	4.35	0.043	2	14	3	104	0.5	2	13	1599	4.85	11	<2	<2	37	<0.5	<3	4	61	2.79
1935409	Drill Core	4.17	0.226	2	3	5	80	2.1	3	17	1418	5.14	15	<2	2	36	<0.5	<3	5	42	2.76
1935410	Drill Core	4.53	0.066	2	2	5	78	1.6	2	12	1538	4.67	10	<2	2	42	<0.5	<3	5	43	3.05
1935411	Drill Core	4.53	0.078	2	5	<3	108	1.4	2	8	2157	3.96	13	<2	<2	52	<0.5	<3	4	54	3.72
1935412	Drill Core	4.25	0.038	1	16	<3	123	0.4	2	8	2512	3.74	8	<2	<2	58	<0.5	<3	<3	43	4.12
1935413	Drill Core	4.55	0.940	3	83	31	127	6.0	4	6	2197	13.22	320	2	<2	34	<0.5	<3	11	41	2.58
1935414	Drill Core	4.58	1.265	2	86	32	105	9.8	4	7	2108	10.40	97	3	<2	38	<0.5	<3	51	42	2.83
1935415	Drill Core	3.84	0.047	2	1	6	99	0.8	2	13	1794	4.30	23	<2	2	47	<0.5	<3	5	58	3.56
1935416	Drill Core	4.88	0.046	1	4	11	85	<0.3	2	11	1433	4.15	13	<2	<2	48	<0.5	<3	3	65	3.22
1935417	Drill Core	4.50	0.014	<1	1	<3	81	<0.3	2	6	1474	3.36	8	<2	<2	46	<0.5	<3	<3	85	2.89
1935418	Drill Core	3.91	0.027	1	3	9	78	<0.3	2	11	1280	4.25	20	<2	<2	36	<0.5	<3	5	82	2.53
1935419	Drill Core	4.04	0.025	2	3	5	66	<0.3	2	11	1014	4.29	21	<2	<2	30	<0.5	<3	<3	75	2.24
1935420	Drill Core	2.62	0.042	2	7	14	64	<0.3	2	12	1044	4.84	26	<2	<2	35	<0.5	<3	<3	66	2.56
1935421	Drill Core	3.12	0.027	1	11	15	93	<0.3	2	9	1487	3.73	16	<2	<2	34	<0.5	<3	<3	91	2.38
1935422	Drill Core	3.34	0.023	2	4	20	71	<0.3	2	15	993	4.34	21	<2	<2	28	<0.5	<3	<3	64	2.07
1935423	Drill Core	3.87	0.025	2	7	9	54	<0.3	2	14	1089	4.33	17	<2	<2	41	<0.5	<3	4	59	3.12
1935424	Drill Core	3.81	0.022	2	4	6	55	<0.3	2	15	1192	4.73	13	<2	<2	53	<0.5	<3	<3	41	3.87
1935425	Rock	0.48	<0.005	<1	<1	4	<1	<0.3	<1	<1	21	<0.01	14	7	<2	4374	<0.5	<3	<3	<1	35.31
1935426	Drill Core	4.09	0.026	1	3	4	72	<0.3	2	11	1228	4.13	15	<2	<2	46	<0.5	<3	<3	43	3.36
1935427	Drill Core	4.38	0.219	2	702	8	56	0.9	2	12	1027	6.15	32	<2	<2	46	<0.5	<3	5	34	3.24
1935428	Drill Core	3.99	0.032	2	17	<3	38	<0.3	2	16	945	4.30	20	<2	<2	44	<0.5	<3	<3	28	3.51

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Client: **West Cirque Resources**
530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 16, 2012

CERTIFICATE OF ANALYSIS SMI12000045.1

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5
G1-SMI	Prep Blank	0.089	10	10	0.55	192	0.131	<20	1.04	0.11	0.56	<2	<5	<1	<5	<0.05	<5
G1-SMI	Prep Blank	0.089	12	10	0.53	194	0.124	<20	1.00	0.13	0.57	<2	<5	<1	<5	<0.05	<5
1935401	Drill Core	0.172	9	5	1.61	208	0.004	<20	2.37	0.06	0.25	<2	<5	<1	7	0.72	8
1935402	Drill Core	0.162	6	4	1.51	209	0.005	<20	2.50	0.07	0.35	<2	<5	<1	8	0.55	8
1935403	Drill Core	0.139	5	3	0.66	69	0.002	<20	1.75	0.01	0.44	<2	<5	<1	<5	4.57	5
1935404	Drill Core	0.159	6	4	0.81	235	0.003	<20	1.92	0.04	0.47	<2	<5	<1	6	1.03	8
1935405	Drill Core	0.156	5	4	1.40	266	0.004	<20	2.28	0.07	0.35	<2	<5	<1	9	1.27	7
1935406	Drill Core	0.160	6	4	1.48	155	0.004	<20	2.21	0.07	0.30	<2	<5	<1	7	1.98	7
1935407	Drill Core	0.162	4	3	1.22	98	0.003	<20	2.02	0.05	0.40	<2	<5	<1	5	3.48	5
1935408	Drill Core	0.161	4	3	1.30	94	0.003	<20	2.03	0.05	0.39	<2	<5	<1	6	3.03	6
1935409	Drill Core	0.160	7	4	0.91	75	0.003	<20	1.69	0.04	0.43	<2	<5	<1	<5	4.04	<5
1935410	Drill Core	0.162	9	4	0.96	80	0.002	<20	1.62	0.04	0.41	<2	<5	<1	<5	3.69	6
1935411	Drill Core	0.154	10	3	1.15	217	0.003	<20	2.08	0.03	0.45	<2	<5	<1	7	1.53	6
1935412	Drill Core	0.155	7	3	0.89	255	0.003	<20	2.13	0.01	0.57	<2	<5	<1	<5	0.85	6
1935413	Drill Core	0.130	5	5	0.73	64	0.005	<20	1.89	<0.01	0.57	<2	<5	<1	<5	>10	<5
1935414	Drill Core	0.143	4	5	0.83	51	0.004	<20	1.73	0.02	0.52	<2	<5	<1	<5	8.84	<5
1935415	Drill Core	0.162	6	4	1.16	150	0.003	<20	1.72	0.05	0.40	<2	<5	<1	<5	3.27	6
1935416	Drill Core	0.157	5	3	0.95	54	0.002	<20	1.36	0.04	0.32	<2	<5	<1	8	3.47	7
1935417	Drill Core	0.151	6	3	1.22	151	0.021	<20	1.61	0.07	0.30	<2	<5	<1	6	1.96	9
1935418	Drill Core	0.154	6	3	1.17	82	0.049	<20	1.39	0.07	0.22	<2	<5	<1	<5	3.46	7
1935419	Drill Core	0.159	6	3	1.08	60	0.035	<20	1.36	0.07	0.30	<2	<5	<1	6	3.86	6
1935420	Drill Core	0.160	7	5	1.07	79	0.009	<20	1.25	0.06	0.24	<2	<5	<1	<5	4.67	6
1935421	Drill Core	0.168	6	4	1.37	150	0.040	<20	1.63	0.07	0.24	<2	<5	<1	6	2.44	8
1935422	Drill Core	0.161	6	3	1.06	84	0.051	<20	1.23	0.06	0.25	<2	<5	<1	<5	4.18	5
1935423	Drill Core	0.164	6	3	0.83	56	0.011	<20	1.21	0.05	0.36	<2	<5	<1	5	4.28	5
1935424	Drill Core	0.158	5	4	0.76	46	0.002	<20	1.25	0.04	0.37	<2	<5	<1	<5	4.55	5
1935425	Rock	0.003	<1	4	1.59	6	0.002	<20	<0.01	0.04	<0.01	8	<5	<1	<5	0.08	<5
1935426	Drill Core	0.156	5	3	0.88	82	0.002	<20	1.32	0.03	0.35	<2	<5	<1	<5	3.43	<5
1935427	Drill Core	0.151	5	3	0.53	51	0.002	<20	1.14	0.02	0.44	<2	<5	<1	<5	6.20	<5
1935428	Drill Core	0.149	5	3	0.50	64	0.002	<20	1.03	0.03	0.39	<2	<5	<1	<5	4.32	<5

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Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 16, 2012

CERTIFICATE OF ANALYSIS SMI12000045.1

	Method	WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1935429	Drill Core	4.53	0.039	2	109	<3	58	<0.3	3	17	1052	5.02	12	<2	<2	42	<0.5	<3	<3	34	3.09
1935430	Drill Core	2.40	0.133	2	192	<3	98	<0.3	2	11	1480	4.43	9	<2	<2	42	<0.5	<3	<3	66	3.03
1935431	Drill Core	3.90	0.075	2	111	<3	102	<0.3	2	15	1449	4.46	7	<2	<2	34	<0.5	<3	<3	69	2.73
1935432	Drill Core	3.88	0.180	2	484	5	96	1.2	2	11	1662	5.69	16	<2	<2	39	<0.5	<3	6	53	3.01
1935433	Drill Core	3.56	0.245	1	442	8	108	1.2	4	18	4277	7.58	55	<2	<2	78	<0.5	<3	5	75	7.72
1935434	Drill Core	4.74	0.158	2	224	<3	18	0.4	5	17	986	6.01	27	<2	<2	36	<0.5	<3	<3	21	2.51
1935435	Drill Core	3.87	0.543	3	7931	4	34	4.9	3	12	929	7.88	46	<2	<2	29	0.8	<3	11	24	2.39
1935436	Drill Core	3.68	0.100	3	82	<3	59	<0.3	2	9	903	5.03	13	<2	<2	27	<0.5	<3	<3	43	2.07
1935437	Drill Core	4.10	0.085	4	189	<3	49	0.4	2	10	2756	4.02	5	<2	<2	81	0.5	<3	<3	32	5.99
1935438	Drill Core	3.82	0.081	6	249	6	36	0.4	2	11	1529	4.37	<2	<2	<2	52	<0.5	<3	<3	21	3.66
1935439	Drill Core	4.42	0.163	5	125	3	43	<0.3	2	9	904	4.59	6	<2	<2	38	<0.5	<3	<3	27	2.89
1935440	Drill Core	4.29	0.113	7	324	5	34	0.4	3	9	1045	4.01	5	<2	<2	66	<0.5	<3	<3	15	4.31
1935441	Drill Core	4.05	0.479	5	271	8	15	4.4	2	8	360	6.82	16	<2	<2	21	<0.5	<3	6	13	1.34
1935442	Drill Core	3.93	0.046	8	134	<3	36	<0.3	1	9	678	3.35	<2	<2	2	31	<0.5	<3	<3	23	2.24
1935443	Drill Core	4.05	0.141	9	199	<3	28	0.4	2	19	767	6.30	<2	<2	<2	39	<0.5	<3	6	17	2.88
1935444	Drill Core	4.44	0.072	5	127	<3	14	0.3	2	17	644	4.81	<2	<2	<2	35	<0.5	<3	<3	11	2.52
1935445	Drill Core	4.25	0.147	18	305	6	29	<0.3	2	26	764	5.85	5	<2	<2	31	<0.5	<3	<3	19	2.36
1935446	Drill Core	4.67	0.044	<1	142	<3	52	0.3	1	8	1014	5.06	<2	<2	2	27	<0.5	<3	<3	21	2.03
1935447	Drill Core	2.76	0.025	<1	269	6	31	0.4	2	8	833	5.21	3	<2	<2	25	<0.5	<3	<3	17	1.81
1935448	Drill Core	3.71	0.170	<1	284	9	17	0.7	2	10	634	4.81	4	<2	<2	25	<0.5	<3	<3	12	1.96
1935449	Drill Core	4.19	0.530	2	2211	10	23	3.4	2	6	824	9.20	69	<2	<2	31	<0.5	<3	10	10	2.23
1935450	Rock Pulp	0.07	0.803	364	>10000	7	66	4.4	34	11	451	2.84	14	<2	<2	40	<0.5	<3	6	50	0.78
1935451	Drill Core	4.81	3.104	<1	203	5	23	1.7	2	7	563	7.34	20	<2	<2	22	<0.5	<3	5	10	1.51
1935452	Drill Core	4.97	0.849	15	464	22	12	6.5	2	8	679	12.54	145	<2	<2	34	0.8	<3	16	8	2.66
1935453	Drill Core	4.57	0.314	<1	160	12	36	2.4	2	5	1145	9.26	22	<2	<2	49	0.7	<3	<3	11	3.36
1935454	Drill Core	4.17	0.125	<1	130	7	27	0.7	2	6	1249	7.32	14	<2	2	43	0.6	<3	<3	16	2.56
1935455	Drill Core	4.72	0.042	<1	32	4	30	<0.3	2	6	1682	4.82	7	<2	<2	51	0.5	<3	<3	16	3.66
1935456	Drill Core	5.34	0.318	<1	156	12	10	1.0	2	5	641	12.85	82	<2	<2	28	0.5	<3	8	9	1.85
1935457	Drill Core	4.83	0.173	15	55	11	27	0.8	3	5	1080	11.24	51	<2	<2	28	0.6	<3	7	11	1.95
1935458	Drill Core	4.88	0.068	5	38	3	38	<0.3	2	5	1245	5.55	23	<2	<2	32	<0.5	<3	8	19	2.20

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Project: None Given
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CERTIFICATE OF ANALYSIS SMI12000045.1

Method		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5
1935429	Drill Core	0.166	5	3	0.74	80	0.002	<20	1.61	0.02	0.50	<2	<5	<1	<5	3.99	<5
1935430	Drill Core	0.153	5	4	1.28	112	0.003	<20	1.89	0.05	0.38	<2	<5	<1	6	2.79	6
1935431	Drill Core	0.157	5	5	1.30	112	0.003	<20	2.00	0.05	0.43	<2	<5	<1	7	2.99	6
1935432	Drill Core	0.148	5	4	1.18	93	0.003	<20	2.02	0.02	0.47	<2	<5	<1	7	3.63	5
1935433	Drill Core	0.112	7	8	1.51	70	0.003	<20	2.28	0.02	0.38	<2	<5	<1	8	3.68	5
1935434	Drill Core	0.134	4	6	0.35	12	<0.001	<20	0.98	0.01	0.46	<2	<5	<1	<5	5.48	<5
1935435	Drill Core	0.128	4	3	0.48	11	<0.001	<20	0.82	0.02	0.29	3	<5	<1	<5	7.42	<5
1935436	Drill Core	0.146	7	4	0.85	19	0.001	<20	1.29	0.04	0.37	<2	<5	<1	<5	4.67	<5
1935437	Drill Core	0.119	7	3	0.71	19	<0.001	<20	1.28	0.02	0.30	<2	<5	<1	<5	2.73	<5
1935438	Drill Core	0.121	6	3	0.49	13	<0.001	<20	1.01	0.02	0.34	<2	<5	<1	<5	3.94	<5
1935439	Drill Core	0.116	5	3	0.51	18	<0.001	<20	1.06	0.02	0.36	<2	<5	<1	<5	4.26	<5
1935440	Drill Core	0.112	6	4	0.33	50	<0.001	<20	0.94	0.01	0.35	<2	<5	<1	<5	3.42	<5
1935441	Drill Core	0.113	3	2	0.15	21	<0.001	<20	0.60	0.01	0.35	<2	<5	<1	<5	7.24	<5
1935442	Drill Core	0.120	6	2	0.42	39	<0.001	<20	0.83	0.02	0.35	<2	<5	<1	<5	2.88	<5
1935443	Drill Core	0.107	5	2	0.35	10	<0.001	<20	0.84	0.02	0.35	<2	<5	<1	<5	6.49	<5
1935444	Drill Core	0.114	4	2	0.20	15	<0.001	<20	0.62	0.02	0.34	<2	<5	<1	<5	5.27	<5
1935445	Drill Core	0.111	5	3	0.44	11	<0.001	<20	0.78	0.03	0.36	<2	<5	<1	<5	6.00	<5
1935446	Drill Core	0.127	6	2	0.70	30	<0.001	<20	1.07	0.02	0.38	<2	<5	<1	<5	4.94	<5
1935447	Drill Core	0.128	6	2	0.50	31	<0.001	<20	0.88	0.01	0.42	<2	<5	<1	<5	5.27	<5
1935448	Drill Core	0.126	6	3	0.22	48	<0.001	<20	0.69	0.01	0.41	<2	<5	<1	<5	5.03	<5
1935449	Drill Core	0.120	5	3	0.18	12	<0.001	<20	0.66	0.01	0.36	<2	<5	<1	<5	9.02	<5
1935450	Rock Pulp	0.051	5	45	0.61	129	0.103	<20	1.25	0.09	0.11	25	<5	<1	<5	0.76	<5
1935451	Drill Core	0.129	4	2	0.22	33	<0.001	<20	0.71	0.01	0.34	<2	<5	<1	<5	7.37	<5
1935452	Drill Core	0.089	2	3	0.12	5	<0.001	<20	0.47	0.01	0.30	<2	<5	<1	<5	>10	<5
1935453	Drill Core	0.112	6	2	0.23	18	<0.001	<20	0.68	0.01	0.35	<2	<5	<1	<5	9.33	<5
1935454	Drill Core	0.124	8	2	0.43	18	<0.001	<20	0.94	0.01	0.40	<2	<5	<1	<5	7.15	<5
1935455	Drill Core	0.125	7	1	0.54	18	<0.001	<20	1.03	0.01	0.42	<2	<5	<1	<5	4.56	<5
1935456	Drill Core	0.114	5	4	0.15	21	<0.001	<20	0.59	0.01	0.36	<2	<5	1	<5	>10	<5
1935457	Drill Core	0.108	5	3	0.34	8	<0.001	<20	0.75	0.01	0.34	<2	<5	<1	<5	>10	<5
1935458	Drill Core	0.134	6	2	0.55	14	<0.001	<20	0.90	0.01	0.41	<2	<5	<1	<5	5.67	<5

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Project: None Given
Report Date: July 16, 2012

CERTIFICATE OF ANALYSIS SMI12000045.1

	Method	WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1935459	Drill Core	4.17	0.213	<1	494	18	41	1.1	2	5	1083	10.85	70	<2	<2	24	0.7	<3	29	18	1.62
1935460	Drill Core	4.59	0.363	<1	82	<3	62	0.7	2	5	1526	7.33	35	<2	<2	21	0.6	3	5	20	1.57
1935461	Drill Core	3.94	0.066	1	14	<3	46	<0.3	2	5	1347	6.47	19	<2	<2	31	<0.5	<3	6	16	2.22
1935462	Drill Core	4.82	0.243	<1	77	<3	34	<0.3	1	6	897	5.68	16	<2	<2	30	<0.5	<3	3	18	2.36
1935463	Drill Core	3.86	0.049	<1	29	<3	34	<0.3	2	6	1182	5.56	19	<2	<2	38	<0.5	<3	3	16	3.04
1935464	Drill Core	4.54	0.225	<1	18	5	50	<0.3	1	6	1113	5.44	19	<2	<2	28	<0.5	<3	<3	29	2.10
1935465	Drill Core	3.35	0.071	1	56	<3	76	<0.3	2	7	914	4.67	17	<2	<2	25	<0.5	<3	<3	46	1.69
1935466	Drill Core	4.31	0.047	1	19	3	53	<0.3	1	6	1021	4.47	11	<2	<2	34	<0.5	<3	3	34	2.53
1935467	Drill Core	3.88	0.051	<1	52	<3	56	<0.3	2	6	1005	4.45	5	<2	<2	36	<0.5	<3	<3	35	2.66
1935468	Drill Core	3.83	0.098	<1	165	<3	53	<0.3	2	6	991	4.61	8	<2	<2	28	<0.5	3	<3	33	2.21
1935469	Drill Core	4.53	0.137	<1	179	3	47	<0.3	2	6	1074	5.08	10	<2	<2	36	<0.5	<3	4	25	2.75
1935470	Drill Core	3.93	0.119	<1	45	<3	53	<0.3	1	6	1678	4.33	15	<2	2	63	<0.5	<3	7	23	4.52
1935471	Drill Core	3.56	0.115	<1	144	<3	18	0.6	1	8	1419	4.02	11	<2	<2	72	<0.5	<3	5	13	5.09
1935472	Drill Core	3.39	0.291	<1	241	5	6	0.3	<1	6	2039	3.18	13	<2	<2	121	<0.5	<3	3	7	9.76
1935473	Drill Core	4.46	0.108	<1	110	11	9	0.4	<1	8	868	5.65	20	<2	<2	36	<0.5	<3	11	9	2.55
1935474	Drill Core	1.76	0.276	3	167	<3	21	<0.3	2	7	895	5.79	14	<2	<2	38	<0.5	<3	5	9	2.98
1935475	Drill Core	1.95	0.049	2	393	10	27	<0.3	2	7	911	5.96	11	<2	3	40	<0.5	<3	<3	11	3.10
1935476	Drill Core	3.73	0.033	4	96	<3	71	<0.3	1	6	1076	4.48	<2	<2	3	30	<0.5	<3	<3	45	2.25
1935477	Drill Core	3.65	0.118	7	291	4	81	<0.3	1	8	1317	5.24	7	<2	3	28	<0.5	<3	<3	38	2.36
1935478	Drill Core	4.20	0.047	7	206	<3	89	<0.3	1	10	1253	4.02	<2	<2	3	26	<0.5	<3	<3	38	2.01
1935479	Drill Core	3.62	0.180	7	349	6	78	0.6	2	13	1244	6.65	36	<2	3	26	<0.5	<3	6	31	1.92
1935480	Drill Core	3.82	0.246	15	226	7	97	1.2	1	8	1535	5.89	14	<2	<2	26	<0.5	<3	4	29	2.17
1935481	Drill Core	4.09	0.405	23	185	<3	113	0.9	1	11	1465	6.40	24	<2	3	33	<0.5	<3	7	41	2.65
1935482	Drill Core	3.91	0.089	42	449	<3	79	0.3	1	9	1529	4.10	11	<2	3	50	<0.5	<3	<3	30	3.35
1935483	Drill Core	4.22	0.142	26	485	11	59	0.8	1	9	1551	4.61	30	<2	<2	45	<0.5	<3	7	22	3.03
1935484	Drill Core	4.49	0.619	24	4065	34	662	6.7	<1	8	1830	7.23	72	<2	<2	49	9.3	5	8	16	3.30
1935485	Drill Core	3.86	0.169	19	483	8	86	0.9	1	13	1297	5.47	16	<2	2	29	<0.5	<3	<3	42	2.13
1935486	Drill Core	2.75	0.047	44	394	<3	101	<0.3	2	8	1197	3.94	<2	<2	3	31	<0.5	<3	<3	68	2.18
1935487	Drill Core	3.57	0.125	55	419	<3	59	0.5	1	12	1441	4.32	22	<2	3	41	<0.5	<3	<3	30	3.28
1935488	Drill Core	4.08	0.201	12	538	10	98	0.5	2	9	1650	4.92	28	<2	<2	33	<0.5	<3	7	30	2.57

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	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5
1935459	Drill Core	0.106	3	4	0.56	16	<0.001	<20	1.00	0.01	0.34	<2	<5	<1	<5	>10	<5
1935460	Drill Core	0.120	5	3	0.88	31	<0.001	<20	1.05	0.01	0.35	<2	<5	<1	7	6.51	<5
1935461	Drill Core	0.119	4	2	0.74	26	<0.001	<20	0.81	0.01	0.37	<2	<5	<1	<5	6.14	<5
1935462	Drill Core	0.125	4	2	0.44	21	<0.001	<20	0.87	0.02	0.40	<2	<5	<1	<5	5.71	<5
1935463	Drill Core	0.122	4	1	0.45	31	<0.001	<20	1.00	0.02	0.38	2	<5	<1	6	5.44	<5
1935464	Drill Core	0.123	6	3	0.72	26	<0.001	<20	1.07	0.02	0.39	<2	<5	<1	6	5.16	<5
1935465	Drill Core	0.129	5	3	0.97	14	<0.001	<20	1.27	0.04	0.34	<2	<5	<1	<5	4.40	<5
1935466	Drill Core	0.123	6	3	0.66	35	<0.001	<20	1.01	0.03	0.38	<2	<5	2	<5	4.54	<5
1935467	Drill Core	0.125	5	2	0.68	25	<0.001	<20	1.11	0.03	0.36	<2	<5	<1	<5	4.41	<5
1935468	Drill Core	0.128	4	2	0.72	23	<0.001	<20	1.08	0.03	0.36	<2	<5	<1	<5	4.43	<5
1935469	Drill Core	0.120	4	2	0.54	71	<0.001	<20	0.93	0.02	0.35	<2	<5	<1	<5	5.02	<5
1935470	Drill Core	0.122	6	2	0.58	86	<0.001	<20	1.30	0.02	0.42	<2	<5	<1	6	3.58	<5
1935471	Drill Core	0.118	7	<1	0.27	103	<0.001	<20	0.83	0.01	0.42	<2	<5	1	<5	3.69	<5
1935472	Drill Core	0.100	13	2	0.14	99	<0.001	<20	0.55	0.01	0.34	<2	<5	<1	<5	3.09	<5
1935473	Drill Core	0.129	5	2	0.22	37	<0.001	<20	0.57	0.01	0.41	<2	5	2	<5	6.28	<5
1935474	Drill Core	0.128	5	1	0.20	45	<0.001	<20	0.61	0.01	0.38	<2	<5	1	<5	6.39	<5
1935475	Drill Core	0.134	5	1	0.25	42	<0.001	<20	0.73	0.01	0.41	<2	<5	2	6	6.31	<5
1935476	Drill Core	0.134	4	2	0.87	67	<0.001	<20	1.04	0.03	0.32	<2	<5	1	<5	4.39	<5
1935477	Drill Core	0.130	5	2	0.92	74	<0.001	<20	1.24	0.02	0.38	<2	<5	1	7	4.68	<5
1935478	Drill Core	0.129	6	2	1.07	128	<0.001	<20	1.37	0.03	0.35	<2	<5	1	<5	2.38	<5
1935479	Drill Core	0.129	5	2	0.81	60	0.001	<20	1.36	0.02	0.41	<2	<5	2	<5	5.60	<5
1935480	Drill Core	0.131	5	2	0.90	43	0.001	<20	1.44	<0.01	0.38	<2	<5	2	<5	4.42	<5
1935481	Drill Core	0.130	5	3	0.91	59	0.001	<20	1.63	0.02	0.44	<2	<5	<1	8	4.47	<5
1935482	Drill Core	0.135	6	2	0.78	171	<0.001	<20	1.52	0.02	0.41	<2	<5	2	<5	1.93	<5
1935483	Drill Core	0.125	5	<1	0.68	71	<0.001	<20	1.32	0.01	0.44	<2	<5	<1	<5	2.99	<5
1935484	Drill Core	0.109	4	<1	0.59	39	<0.001	<20	0.92	0.01	0.38	<2	<5	2	<5	6.74	<5
1935485	Drill Core	0.128	5	2	0.90	93	0.001	<20	1.49	0.02	0.40	<2	<5	<1	<5	3.78	<5
1935486	Drill Core	0.133	7	3	1.21	314	<0.001	<20	1.66	0.03	0.30	<2	<5	<1	9	0.45	<5
1935487	Drill Core	0.136	6	2	0.71	92	<0.001	<20	1.37	0.02	0.43	<2	<5	<1	<5	2.92	<5
1935488	Drill Core	0.125	6	2	1.01	122	<0.001	<20	1.59	0.01	0.40	<2	<5	<1	<5	2.78	<5

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CERTIFICATE OF ANALYSIS SMI12000045.1

Method		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1935489	Drill Core	4.18	0.387	7	850	<3	74	1.7	2	12	1330	5.77	42	<2	2	35	<0.5	<3	4	26	2.57
1935490	Drill Core	3.21	0.025	3	453	<3	96	<0.3	26	14	2776	4.59	<2	<2	<2	77	<0.5	<3	3	44	5.30
1935491	Drill Core	4.75	<0.005	<1	28	16	133	<0.3	89	36	2284	5.41	<2	<2	<2	110	0.9	<3	<3	121	7.02
1935492	Drill Core	3.58	0.029	7	445	5	119	0.3	70	30	1665	5.59	<2	<2	<2	84	0.7	<3	7	119	4.50
1935493	Drill Core	3.88	0.050	7	524	4	96	<0.3	16	13	1899	4.69	27	<2	<2	63	<0.5	<3	<3	64	3.85
1935494	Drill Core	4.45	<0.005	<1	39	4	122	<0.3	77	35	2059	5.88	<2	<2	<2	102	0.9	<3	4	134	6.07
1935495	Drill Core	4.65	<0.005	<1	34	<3	89	<0.3	77	36	1622	5.47	<2	<2	<2	93	0.9	<3	<3	152	5.13
1935496	Drill Core	4.18	0.008	<1	86	6	140	<0.3	84	33	2250	5.63	<2	<2	<2	100	1.0	<3	4	130	6.17
1935497	Drill Core	3.77	0.070	9	312	<3	76	<0.3	4	7	1345	4.26	9	<2	2	51	<0.5	<3	<3	44	2.27
1935498	Drill Core	2.49	0.092	11	679	7	72	<0.3	1	8	1421	4.45	15	<2	2	59	<0.5	<3	<3	47	2.62
1935499	Drill Core	3.38	0.068	12	537	<3	58	<0.3	2	6	1279	4.26	3	<2	3	36	<0.5	<3	<3	43	2.46
1935500	Rock Pulp	0.08	0.551	335	5695	<3	41	1.0	26	11	432	3.09	3	<2	<2	39	<0.5	<3	<3	54	0.79
1935501	Drill Core	2.89	0.108	12	575	<3	56	<0.3	1	9	1278	3.91	6	<2	<2	38	<0.5	<3	<3	30	2.49
1935502	Drill Core	3.42	0.278	14	626	<3	73	0.3	2	11	1452	5.29	13	<2	3	36	<0.5	<3	<3	39	2.36
1935503	Drill Core	3.74	0.180	9	673	<3	97	<0.3	2	7	1503	4.74	6	<2	3	36	<0.5	<3	<3	48	2.36
1935504	Drill Core	3.25	0.194	11	509	4	72	<0.3	3	12	1092	4.95	8	<2	3	32	0.5	<3	<3	50	1.87
1935505	Drill Core	3.63	0.102	6	452	3	80	<0.3	2	7	1002	4.29	<2	<2	3	38	<0.5	<3	<3	73	1.85
1935506	Drill Core	3.90	0.283	7	733	6	32	0.6	3	13	1038	5.37	41	<2	2	45	<0.5	<3	<3	15	2.84
1935507	Drill Core	3.92	0.379	9	1022	10	70	2.6	3	11	1367	5.33	33	<2	2	39	<0.5	<3	5	41	2.43
1935508	Drill Core	3.13	0.034	14	312	4	66	<0.3	2	9	1369	3.51	3	<2	<2	61	<0.5	<3	<3	65	2.89
1935509	Drill Core	3.56	0.045	37	528	4	57	<0.3	2	8	1219	3.35	<2	<2	3	56	<0.5	<3	<3	58	2.83
1935510	Drill Core	3.21	0.147	16	1105	4	68	0.5	2	10	980	3.54	<2	<2	3	48	<0.5	<3	<3	61	2.24
1935511	Drill Core	3.23	0.156	6	1012	4	73	0.4	2	8	1009	3.50	<2	<2	3	53	<0.5	<3	<3	55	2.24
1935512	Drill Core	3.43	0.195	9	707	3	31	<0.3	2	11	1166	3.01	<2	<2	2	58	<0.5	<3	<3	27	2.66
1935513	Drill Core	2.87	0.235	10	1366	4	71	0.6	2	8	863	3.36	<2	<2	3	46	<0.5	<3	<3	41	1.81
1935514	Drill Core	3.69	0.115	12	642	5	82	<0.3	2	8	968	3.45	<2	<2	3	40	<0.5	<3	<3	56	1.85
1935515	Drill Core	3.70	0.106	8	470	5	68	0.5	2	8	1164	3.42	4	<2	2	46	<0.5	<3	<3	48	2.59
1935516	Drill Core	4.39	0.546	24	1611	<3	52	1.3	2	8	1241	4.00	14	<2	2	50	<0.5	<3	<3	32	3.18
1935517	Drill Core	3.53	0.375	28	2010	6	85	0.9	2	8	1176	3.64	<2	<2	3	39	<0.5	<3	<3	48	2.16
1935518	Drill Core	2.97	0.214	45	1519	4	61	0.5	2	8	1307	3.17	3	<2	<2	69	<0.5	<3	<3	49	2.67

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Project: None Given
Report Date: July 16, 2012

CERTIFICATE OF ANALYSIS SMI12000045.1

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5
1935489	Drill Core	0.117	5	2	0.78	33	<0.001	<20	1.32	0.02	0.40	<2	<5	<1	7	4.15	<5
1935490	Drill Core	0.092	7	26	2.07	567	<0.001	<20	1.46	0.02	0.33	<2	<5	<1	<5	0.39	8
1935491	Drill Core	0.046	4	155	3.48	77	0.009	<20	3.33	0.07	0.28	<2	<5	<1	6	0.05	16
1935492	Drill Core	0.067	4	118	3.23	279	0.013	<20	3.61	0.11	0.26	<2	<5	<1	7	0.48	13
1935493	Drill Core	0.109	8	29	1.51	474	0.003	<20	2.37	0.03	0.37	<2	<5	<1	<5	0.53	7
1935494	Drill Core	0.055	5	155	3.46	55	0.030	<20	3.81	0.10	0.22	<2	<5	<1	<5	0.11	16
1935495	Drill Core	0.056	4	138	3.88	31	0.058	<20	3.90	0.20	0.19	<2	<5	<1	9	0.06	17
1935496	Drill Core	0.048	4	152	3.46	252	0.015	<20	3.72	0.07	0.22	<2	<5	<1	<5	0.11	13
1935497	Drill Core	0.128	6	4	1.07	461	0.002	<20	1.86	0.03	0.35	<2	<5	2	<5	0.70	<5
1935498	Drill Core	0.128	7	3	1.00	348	0.001	<20	1.64	0.03	0.34	<2	<5	<1	9	0.83	<5
1935499	Drill Core	0.129	6	3	0.97	223	<0.001	<20	1.59	0.04	0.38	<2	<5	<1	<5	1.07	<5
1935500	Rock Pulp	0.053	4	28	0.69	122	0.116	<20	1.48	0.10	0.13	10	<5	<1	6	0.61	<5
1935501	Drill Core	0.128	6	2	0.80	106	<0.001	<20	1.16	0.02	0.38	<2	<5	<1	<5	1.47	<5
1935502	Drill Core	0.124	5	3	1.01	145	0.001	<20	1.37	0.03	0.39	<2	<5	<1	<5	2.62	<5
1935503	Drill Core	0.130	6	2	1.17	182	0.001	<20	1.90	0.03	0.38	<2	<5	<1	<5	1.45	<5
1935504	Drill Core	0.136	5	4	1.06	73	0.001	<20	1.66	0.04	0.35	<2	<5	<1	6	2.73	<5
1935505	Drill Core	0.132	9	4	1.18	483	0.002	<20	1.61	0.05	0.28	<2	<5	<1	7	0.48	5
1935506	Drill Core	0.121	7	1	0.28	27	<0.001	<20	0.70	0.01	0.40	<2	<5	<1	<5	5.47	<5
1935507	Drill Core	0.121	6	3	0.77	40	0.001	<20	1.17	0.02	0.39	<2	<5	<1	5	3.53	<5
1935508	Drill Core	0.129	10	4	0.96	519	0.003	<20	1.40	0.04	0.35	<2	<5	<1	<5	0.46	5
1935509	Drill Core	0.132	10	3	0.84	659	0.002	<20	1.29	0.04	0.36	<2	<5	<1	<5	0.27	5
1935510	Drill Core	0.130	10	4	1.08	552	0.003	<20	1.46	0.05	0.30	<2	<5	<1	<5	0.51	<5
1935511	Drill Core	0.131	9	4	1.00	314	0.002	<20	1.21	0.05	0.35	<2	<5	<1	<5	0.54	<5
1935512	Drill Core	0.130	9	3	0.76	379	<0.001	<20	0.68	0.03	0.36	<2	<5	<1	<5	0.70	<5
1935513	Drill Core	0.128	11	4	1.08	578	0.002	<20	1.15	0.05	0.33	<2	<5	<1	<5	0.55	<5
1935514	Drill Core	0.132	10	4	1.06	481	0.002	<20	1.27	0.05	0.33	<2	<5	<1	<5	0.63	<5
1935515	Drill Core	0.125	10	4	0.78	183	0.001	<20	1.09	0.03	0.37	<2	<5	<1	<5	1.25	<5
1935516	Drill Core	0.112	8	3	0.69	96	<0.001	<20	0.98	0.02	0.35	<2	<5	<1	<5	2.51	<5
1935517	Drill Core	0.128	9	4	1.13	327	0.001	<20	1.37	0.04	0.39	<2	<5	<1	<5	0.94	<5
1935518	Drill Core	0.124	10	5	0.77	122	0.001	<20	1.09	0.03	0.37	<2	<5	<1	<5	0.87	<5

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CERTIFICATE OF ANALYSIS SMI12000045.1

Method		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1935519	Drill Core	4.39	0.142	41	1458	6	42	0.5	2	7	1043	3.08	3	<2	2	64	<0.5	<3	<3	50	2.98
1935520	Drill Core	2.62	0.166	47	1390	5	62	1.1	2	7	1060	3.60	<2	<2	2	52	<0.5	<3	<3	55	2.01
1935521	Drill Core	4.31	0.155	71	1485	4	75	0.9	2	8	1330	3.87	7	<2	2	45	<0.5	<3	<3	47	2.39
1935522	Drill Core	3.52	0.114	65	1275	<3	62	0.5	2	7	1334	3.65	3	<2	<2	53	<0.5	<3	<3	44	2.92
1935523	Drill Core	3.52	0.037	26	458	<3	41	<0.3	2	7	1186	3.44	3	<2	3	52	<0.5	<3	<3	43	2.75
1935524	Drill Core	3.72	0.050	46	657	<3	65	<0.3	1	9	1131	3.87	6	<2	2	44	<0.5	<3	3	62	2.30
1935525	Rock	0.76	<0.005	<1	<1	24	<1	0.5	<1	<1	29	0.03	8	4	<2	4682	<0.5	<3	12	<1	>40
1935526	Drill Core	3.43	0.096	36	1085	4	59	0.4	<1	8	949	3.59	<2	<2	2	35	<0.5	<3	<3	57	2.20
1935527	Drill Core	3.19	0.025	21	461	<3	51	<0.3	<1	7	1264	3.51	6	<2	<2	72	<0.5	<3	<3	51	2.74
1935528	Drill Core	2.71	0.139	39	1899	6	62	0.6	1	9	1002	3.96	3	<2	<2	46	<0.5	<3	<3	41	2.20
1935529	Drill Core	3.36	0.056	14	327	<3	52	<0.3	2	8	1111	4.15	8	<2	<2	47	<0.5	<3	<3	32	2.84
1935530	Drill Core	2.39	0.078	3	93	<3	29	0.4	4	9	1434	4.28	13	<2	<2	62	<0.5	<3	4	13	3.88
1935531	Drill Core	4.19	0.113	2	104	6	61	0.6	<1	14	1555	4.94	13	<2	<2	85	<0.5	<3	8	41	4.46
1935532	Drill Core	4.50	0.174	2	2511	7	5	0.9	2	10	990	4.52	10	<2	<2	137	<0.5	<3	4	9	4.08
1935533	Drill Core	3.70	0.111	1	48	5	34	<0.3	5	14	1216	4.96	7	<2	<2	69	<0.5	<3	<3	31	3.87
1935534	Drill Core	3.84	0.126	1	108	3	11	0.9	4	13	992	4.31	13	<2	<2	56	<0.5	<3	<3	14	2.98
1935535	Drill Core	4.40	0.048	1	14	<3	15	0.4	2	10	1316	3.89	9	<2	<2	77	<0.5	<3	<3	18	4.07
1935536	Drill Core	4.24	0.049	1	19	<3	15	0.5	3	16	1015	4.58	11	<2	<2	71	<0.5	<3	<3	18	3.75
1935537	Drill Core	4.48	0.014	1	14	<3	28	0.5	3	19	882	6.71	14	<2	<2	62	<0.5	<3	<3	28	2.89
1935538	Drill Core	4.50	0.040	<1	57	5	22	0.4	3	12	840	3.74	10	<2	<2	72	<0.5	<3	<3	21	3.42
1935539	Drill Core	4.55	0.062	<1	85	7	18	0.5	3	14	938	4.21	7	<2	<2	66	<0.5	<3	3	18	3.61
1935540	Drill Core	4.39	0.193	1	224	4	6	2.1	3	14	615	5.05	12	<2	<2	36	<0.5	<3	5	11	2.21
1935541	Drill Core	4.39	0.075	3	27	<3	6	0.6	3	19	845	5.56	15	<2	<2	64	<0.5	<3	6	11	3.58
1935542	Drill Core	4.10	0.097	<1	150	4	15	0.8	4	11	900	4.40	11	<2	<2	67	<0.5	<3	3	16	3.33
1935543	Drill Core	3.84	0.129	1	55	<3	50	0.3	2	8	866	4.44	8	<2	<2	76	<0.5	<3	4	54	2.33
1935544	Drill Core	3.00	0.091	<1	56	4	45	<0.3	2	7	857	3.86	10	<2	<2	91	<0.5	<3	5	45	2.28
1935545	Drill Core	3.09	0.088	<1	39	4	55	<0.3	2	8	802	4.11	6	<2	<2	99	<0.5	<3	<3	71	2.10
1935546	Drill Core	3.60	0.387	<1	118	3	41	0.3	2	7	802	4.51	21	<2	<2	105	<0.5	<3	4	51	2.26
1935547	Drill Core	3.83	0.169	<1	66	5	24	<0.3	2	13	1045	4.24	5	<2	<2	107	<0.5	<3	6	31	3.10
1935548	Drill Core	4.12	0.092	<1	113	3	12	<0.3	2	10	1445	3.97	4	<2	<2	120	<0.5	<3	<3	15	4.24

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	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5
1935519	Drill Core	0.127	12	3	0.69	550	0.002	<20	1.01	0.03	0.38	<2	<5	<1	<5	0.48	5
1935520	Drill Core	0.128	11	3	0.97	536	0.002	<20	1.23	0.04	0.38	<2	<5	<1	5	0.56	<5
1935521	Drill Core	0.133	10	2	0.99	82	0.001	<20	1.32	0.03	0.40	<2	<5	<1	5	1.43	<5
1935522	Drill Core	0.123	9	4	1.05	124	0.001	<20	1.17	0.03	0.37	<2	<5	<1	<5	1.09	<5
1935523	Drill Core	0.131	10	4	0.94	574	<0.001	<20	0.79	0.04	0.39	<2	<5	<1	<5	0.48	<5
1935524	Drill Core	0.128	11	4	1.11	706	0.002	<20	1.24	0.05	0.33	<2	<5	<1	5	0.32	5
1935525	Rock	0.007	<1	4	2.16	6	0.001	<20	0.05	0.05	0.02	<2	11	<1	<5	0.10	<5
1935526	Drill Core	0.131	10	4	1.05	549	0.002	<20	1.17	0.04	0.37	<2	<5	<1	<5	0.37	<5
1935527	Drill Core	0.133	10	3	0.98	1078	<0.001	<20	1.01	0.04	0.41	<2	<5	<1	<5	0.30	5
1935528	Drill Core	0.128	6	2	1.00	72	<0.001	<20	0.99	0.04	0.35	<2	<5	<1	<5	1.89	<5
1935529	Drill Core	0.137	5	3	0.93	39	<0.001	<20	1.05	0.03	0.35	<2	<5	<1	<5	3.03	<5
1935530	Drill Core	0.126	8	4	0.61	38	<0.001	<20	0.85	0.02	0.29	<2	<5	<1	<5	3.67	<5
1935531	Drill Core	0.171	9	2	1.07	99	0.001	<20	1.55	0.02	0.35	<2	<5	<1	6	2.03	7
1935532	Drill Core	0.130	3	1	0.23	10	<0.001	<20	0.48	0.02	0.34	<2	<5	<1	<5	5.08	<5
1935533	Drill Core	0.144	5	5	1.09	15	<0.001	<20	1.07	0.02	0.34	<2	<5	<1	<5	4.13	6
1935534	Drill Core	0.156	4	2	0.67	23	<0.001	<20	0.62	0.02	0.34	<2	<5	<1	<5	4.19	<5
1935535	Drill Core	0.157	4	1	0.62	52	<0.001	<20	0.79	0.02	0.34	<2	<5	<1	<5	3.35	6
1935536	Drill Core	0.149	5	1	0.56	29	<0.001	<20	0.65	0.02	0.30	<2	<5	<1	<5	4.71	6
1935537	Drill Core	0.144	2	<1	0.72	11	<0.001	<20	0.78	0.03	0.32	<2	<5	<1	<5	7.28	5
1935538	Drill Core	0.161	5	2	0.51	37	<0.001	<20	0.78	0.02	0.33	<2	<5	<1	<5	3.71	6
1935539	Drill Core	0.154	4	2	0.64	38	<0.001	<20	0.69	0.02	0.35	<2	<5	<1	<5	4.31	5
1935540	Drill Core	0.151	3	3	0.27	33	<0.001	<20	0.50	0.01	0.34	<2	<5	<1	<5	5.72	<5
1935541	Drill Core	0.151	5	1	0.23	29	<0.001	<20	0.53	0.01	0.34	<2	<5	<1	<5	6.22	<5
1935542	Drill Core	0.140	4	2	0.52	13	<0.001	<20	0.72	0.02	0.33	<2	<5	<1	<5	4.38	<5
1935543	Drill Core	0.144	4	3	1.20	20	0.001	<20	1.44	0.03	0.29	<2	<5	<1	6	3.09	<5
1935544	Drill Core	0.148	5	3	1.19	25	0.001	<20	1.28	0.04	0.34	<2	<5	<1	<5	2.52	<5
1935545	Drill Core	0.144	4	3	1.28	22	0.002	<20	1.58	0.05	0.28	<2	<5	<1	6	2.64	5
1935546	Drill Core	0.147	4	2	1.28	17	0.001	<20	1.27	0.04	0.33	<2	<5	<1	<5	3.53	6
1935547	Drill Core	0.146	4	2	1.12	16	<0.001	<20	0.89	0.03	0.30	<2	<5	<1	<5	3.51	6
1935548	Drill Core	0.136	4	1	1.14	18	<0.001	<20	0.52	0.04	0.33	<2	<5	<1	<5	3.15	7

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Project: None Given
Report Date: July 16, 2012

CERTIFICATE OF ANALYSIS SMI12000045.1

Method		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1935549	Drill Core	3.64	0.098	<1	63	4	9	<0.3	3	16	1141	4.41	7	<2	<2	81	<0.5	<3	4	14	3.89
1935550	Rock Pulp	0.08	0.817	204	9658	7	45	1.3	26	14	542	3.85	6	<2	3	77	<0.5	<3	4	56	1.07
1935551	Drill Core	1.69	0.083	2	28	5	6	<0.3	3	14	725	5.67	10	<2	<2	62	<0.5	<3	3	14	3.03
1935552	Drill Core	3.72	0.104	2	71	3	7	0.4	3	14	755	4.25	7	<2	<2	64	<0.5	<3	3	13	3.26
1935553	Drill Core	3.92	0.005	<1	15	9	87	<0.3	45	28	1137	4.86	2	<2	<2	102	0.6	<3	<3	118	5.25
1935554	Drill Core	3.06	<0.005	<1	1	11	92	<0.3	46	27	1026	4.49	<2	<2	<2	99	0.7	<3	<3	109	5.30
1935555	Drill Core	2.87	0.124	3	68	5	62	<0.3	22	20	949	4.90	4	<2	<2	109	0.6	<3	5	58	4.29
1935556	Drill Core	2.14	0.107	4	183	<3	49	<0.3	1	6	779	3.85	2	<2	<2	140	0.8	<3	7	39	3.51
1935557	Drill Core	4.75	0.181	7	244	3	40	0.5	<1	10	651	4.48	5	<2	<2	269	<0.5	<3	<3	42	3.70
1935558	Drill Core	4.35	0.312	6	343	7	49	0.7	1	10	607	4.70	7	<2	<2	258	<0.5	<3	5	45	3.54
1935559	Drill Core	4.54	1.406	13	547	3	16	2.3	1	12	301	5.75	11	<2	<2	272	<0.5	<3	3	15	2.87
1935560	Drill Core	4.39	0.349	2	200	4	20	0.7	1	10	328	5.08	10	<2	<2	255	<0.5	<3	<3	17	3.60
1935561	Drill Core	4.20	0.253	2	148	<3	57	<0.3	1	7	577	4.46	7	<2	<2	255	<0.5	<3	<3	59	3.81
1935562	Drill Core	4.46	0.311	1	534	7	62	1.3	1	10	495	4.08	6	<2	<2	223	<0.5	<3	<3	62	2.90
1935563	Drill Core	4.43	0.381	3	700	<3	67	0.9	<1	13	518	4.10	6	<2	2	247	<0.5	<3	3	68	2.83
1935564	Drill Core	4.46	0.133	5	124	<3	54	<0.3	1	10	361	4.91	3	<2	<2	227	<0.5	<3	<3	53	3.40
1935565	Drill Core	4.34	0.119	4	151	4	75	<0.3	<1	10	507	4.29	5	<2	<2	163	<0.5	<3	<3	63	2.80
1935566	Drill Core	4.15	0.122	2	103	5	76	<0.3	8	14	730	4.56	5	<2	<2	166	<0.5	<3	<3	72	2.65
1935567	Drill Core	2.17	0.110	<1	253	<3	46	<0.3	<1	8	676	3.08	4	<2	<2	130	<0.5	<3	<3	52	3.50
1935568	Drill Core	3.89	0.322	2	468	8	25	0.5	1	13	547	5.11	6	<2	<2	173	<0.5	<3	5	30	3.86
1935569	Drill Core	3.88	0.154	3	106	<3	9	<0.3	2	13	339	5.04	5	<2	<2	87	<0.5	<3	5	12	2.06
1935570	Drill Core	4.63	0.165	3	358	4	7	0.4	2	14	304	5.54	6	<2	<2	103	<0.5	<3	<3	11	1.93
1935571	Drill Core	4.81	0.079	2	55	<3	7	<0.3	<1	4	887	1.87	3	<2	8	61	<0.5	<3	<3	2	2.34
1935572	Drill Core	4.23	0.005	3	8	<3	8	<0.3	<1	1	1191	0.78	5	<2	10	82	<0.5	<3	<3	<1	2.76
1935573	Drill Core	4.13	0.372	3	1233	6	22	0.4	2	11	2018	2.96	8	<2	<2	152	<0.5	<3	<3	20	5.19
1935574	Drill Core	1.04	0.078	10	368	10	106	0.8	4	15	1278	6.69	12	<2	<2	64	<0.5	<3	<3	61	1.73
1935575	Drill Core	1.07	0.066	5	311	6	103	0.4	3	12	1235	4.67	8	<2	<2	58	<0.5	<3	<3	59	1.59
1935576	Drill Core	4.19	0.042	3	109	8	74	0.7	5	19	2570	6.38	21	<2	<2	75	<0.5	<3	4	24	2.84
1935577	Drill Core	4.57	0.033	2	198	11	236	1.3	4	19	2728	6.11	18	<2	<2	171	1.6	<3	<3	16	4.12
1935578	Drill Core	4.39	0.025	1	80	8	360	0.6	4	18	2154	6.48	18	<2	<2	87	2.6	<3	<3	18	3.31

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CERTIFICATE OF ANALYSIS SMI12000045.1

Method		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5
1935549	Drill Core	0.143	4	2	0.82	24	<0.001	<20	0.53	0.02	0.32	<2	<5	<1	<5	3.99	5
1935550	Rock Pulp	0.060	9	30	0.72	120	0.104	<20	1.51	0.11	0.22	7	<5	<1	10	1.34	5
1935551	Drill Core	0.156	4	<1	0.46	11	<0.001	<20	0.65	0.02	0.37	<2	<5	<1	<5	5.86	<5
1935552	Drill Core	0.166	4	1	0.35	48	<0.001	<20	0.65	0.02	0.33	<2	<5	<1	<5	4.28	5
1935553	Drill Core	0.083	6	108	2.94	42	0.002	<20	3.35	0.05	0.19	<2	<5	<1	10	0.13	13
1935554	Drill Core	0.070	5	110	2.77	45	0.001	<20	3.34	0.03	0.18	<2	<5	<1	11	<0.05	12
1935555	Drill Core	0.112	5	53	1.79	46	<0.001	<20	2.21	0.03	0.27	<2	<5	<1	7	2.69	8
1935556	Drill Core	0.154	4	3	1.29	61	0.001	<20	1.48	0.04	0.27	<2	<5	<1	<5	2.68	<5
1935557	Drill Core	0.152	4	2	0.98	15	0.001	<20	1.14	0.03	0.29	<2	<5	<1	<5	4.95	<5
1935558	Drill Core	0.148	3	4	0.92	12	0.001	<20	1.32	0.03	0.31	<2	<5	<1	6	5.18	<5
1935559	Drill Core	0.144	2	2	0.29	15	0.001	<20	0.75	0.01	0.34	<2	<5	<1	<5	7.67	<5
1935560	Drill Core	0.146	3	3	0.40	13	0.001	<20	0.82	0.01	0.32	<2	<5	<1	<5	7.13	<5
1935561	Drill Core	0.165	4	4	0.96	19	0.001	<20	1.58	0.03	0.33	<2	<5	<1	6	4.00	<5
1935562	Drill Core	0.161	4	4	1.02	22	0.002	<20	1.48	0.03	0.28	<2	<5	<1	6	3.83	<5
1935563	Drill Core	0.164	4	3	1.09	18	0.002	<20	1.51	0.04	0.25	<2	<5	<1	7	3.70	<5
1935564	Drill Core	0.154	4	4	0.87	13	0.002	<20	1.11	0.04	0.23	<2	<5	<1	<5	6.45	<5
1935565	Drill Core	0.157	4	3	1.15	35	0.001	<20	1.31	0.04	0.22	<2	<5	<1	6	4.87	<5
1935566	Drill Core	0.155	4	12	1.45	17	0.002	<20	1.57	0.05	0.23	<2	<5	<1	7	4.21	6
1935567	Drill Core	0.175	6	3	0.97	35	<0.001	<20	1.33	0.03	0.32	<2	<5	<1	<5	2.25	6
1935568	Drill Core	0.154	3	3	0.65	8	<0.001	<20	0.87	0.02	0.33	<2	<5	<1	<5	5.63	<5
1935569	Drill Core	0.166	4	2	0.09	10	<0.001	<20	0.59	0.02	0.38	<2	<5	<1	<5	5.89	<5
1935570	Drill Core	0.150	2	1	0.09	7	<0.001	<20	0.55	0.02	0.37	<2	<5	<1	<5	6.32	<5
1935571	Drill Core	0.033	12	2	0.12	133	<0.001	<20	0.55	0.01	0.34	<2	<5	<1	<5	1.50	<5
1935572	Drill Core	0.009	20	2	0.12	374	<0.001	<20	0.53	0.01	0.34	<2	<5	<1	<5	0.12	<5
1935573	Drill Core	0.084	7	3	0.35	29	<0.001	<20	0.79	0.02	0.34	<2	<5	<1	<5	1.96	5
1935574	Drill Core	0.112	3	<1	1.37	16	0.001	<20	1.87	0.03	0.26	<2	<5	<1	6	4.16	8
1935575	Drill Core	0.103	3	4	1.38	64	0.001	<20	1.88	0.03	0.25	<2	<5	<1	6	2.06	8
1935576	Drill Core	0.129	3	<1	1.19	20	<0.001	<20	0.81	0.02	0.33	<2	<5	<1	<5	6.75	7
1935577	Drill Core	0.130	3	1	0.96	8	<0.001	<20	0.55	0.02	0.32	<2	<5	<1	<5	7.10	6
1935578	Drill Core	0.136	4	<1	0.59	8	<0.001	<20	0.61	0.02	0.32	<2	<5	<1	<5	7.12	5

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CERTIFICATE OF ANALYSIS SMI12000045.1

	Method	WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1935579	Drill Core	4.16	0.415	1	427	16	108	5.3	4	20	2348	8.08	50	<2	<2	99	0.5	3	7	31	3.55

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	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5
1935579	Drill Core	0.120	4	<1	0.85	9	<0.001	<20	0.93	0.02	0.29	<2	<5	<1	<5	8.37	6

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QUALITY CONTROL REPORT SMI12000045.1

Method		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
Pulp Duplicates																					
1935409	Drill Core	4.17	0.226	2	3	5	80	2.1	3	17	1418	5.14	15	<2	2	36	<0.5	<3	5	42	2.76
REP 1935409	QC		0.220																		
1935415	Drill Core	3.84	0.047	2	1	6	99	0.8	2	13	1794	4.30	23	<2	2	47	<0.5	<3	5	58	3.56
REP 1935415	QC		0.044																		
1935426	Drill Core	4.09	0.026	1	3	4	72	<0.3	2	11	1228	4.13	15	<2	<2	46	<0.5	<3	<3	43	3.36
REP 1935426	QC			2	2	<3	71	<0.3	2	12	1252	4.14	16	<2	<2	48	<0.5	<3	4	46	3.48
1935444	Drill Core	4.44	0.072	5	127	<3	14	0.3	2	17	644	4.81	<2	<2	<2	35	<0.5	<3	<3	11	2.52
REP 1935444	QC			5	126	4	16	<0.3	2	17	667	4.85	<2	<2	<2	35	<0.5	<3	4	11	2.55
1935459	Drill Core	4.17	0.213	<1	494	18	41	1.1	2	5	1083	10.85	70	<2	<2	24	0.7	<3	29	18	1.62
REP 1935459	QC		0.194																		
1935473	Drill Core	4.46	0.108	<1	110	11	9	0.4	<1	8	868	5.65	20	<2	<2	36	<0.5	<3	11	9	2.55
REP 1935473	QC			1	115	4	9	<0.3	2	7	889	5.94	23	<2	2	37	<0.5	<3	5	10	2.66
1935504	Drill Core	3.25	0.194	11	509	4	72	<0.3	3	12	1092	4.95	8	<2	3	32	0.5	<3	<3	50	1.87
REP 1935504	QC			9	499	<3	69	<0.3	1	12	1081	4.89	6	<2	3	32	<0.5	<3	<3	49	1.81
REP 1935506	QC		0.251																		
1935539	Drill Core	4.55	0.062	<1	85	7	18	0.5	3	14	938	4.21	7	<2	<2	66	<0.5	<3	3	18	3.61
REP 1935539	QC			<1	86	4	18	0.5	2	14	931	4.20	8	<2	<2	66	<0.5	<3	3	18	3.60
1935556	Drill Core	2.14	0.107	4	183	<3	49	<0.3	1	6	779	3.85	2	<2	<2	140	0.8	<3	7	39	3.51
REP 1935556	QC			4	182	8	49	<0.3	1	6	776	3.91	<2	<2	<2	142	0.8	<3	<3	39	3.52
1935573	Drill Core	4.13	0.372	3	1233	6	22	0.4	2	11	2018	2.96	8	<2	<2	152	<0.5	<3	<3	20	5.19
REP 1935573	QC			3	1230	7	22	0.5	3	11	2010	2.84	7	<2	<2	150	<0.5	<3	<3	20	5.14
1935579	Drill Core	4.16	0.415	1	427	16	108	5.3	4	20	2348	8.08	50	<2	<2	99	0.5	3	7	31	3.55
REP 1935579	QC			1	424	15	107	5.3	4	20	2332	8.10	49	<2	<2	98	<0.5	<3	4	30	3.53
Core Reject Duplicates																					
1935404	Drill Core	4.33	0.007	1	7	<3	75	<0.3	2	7	2043	3.53	17	<2	<2	62	<0.5	<3	<3	48	4.50
DUP 1935404	QC	<0.01	0.007	1	6	<3	73	<0.3	2	7	1978	3.43	14	<2	<2	60	<0.5	<3	<3	45	4.44
1935438	Drill Core	3.82	0.081	6	249	6	36	0.4	2	11	1529	4.37	<2	<2	<2	52	<0.5	<3	<3	21	3.66
DUP 1935438	QC	<0.01	0.078	5	238	<3	36	0.3	2	11	1575	4.42	<2	<2	<2	54	<0.5	<3	<3	21	3.77

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QUALITY CONTROL REPORT SMI12000045.1

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D
	Analyte	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**B**	**Al**	**Na**	**K**	**W**	**Tl**	**Hg**	**Ga**	**S**	**Sc**
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5
Pulp Duplicates																	
1935409	Drill Core	0.160	7	4	0.91	75	0.003	<20	1.69	0.04	0.43	<2	<5	<1	<5	4.04	<5
REP 1935409	QC																
1935415	Drill Core	0.162	6	4	1.16	150	0.003	<20	1.72	0.05	0.40	<2	<5	<1	<5	3.27	6
REP 1935415	QC																
1935426	Drill Core	0.156	5	3	0.88	82	0.002	<20	1.32	0.03	0.35	<2	<5	<1	<5	3.43	<5
REP 1935426	QC	0.151	5	3	0.89	94	0.002	<20	1.43	0.04	0.39	<2	<5	<1	<5	3.51	5
1935444	Drill Core	0.114	4	2	0.20	15	<0.001	<20	0.62	0.02	0.34	<2	<5	<1	<5	5.27	<5
REP 1935444	QC	0.116	5	2	0.20	15	<0.001	<20	0.64	0.02	0.35	<2	<5	<1	<5	5.31	<5
1935459	Drill Core	0.106	3	4	0.56	16	<0.001	<20	1.00	0.01	0.34	<2	<5	<1	<5	>10	<5
REP 1935459	QC																
1935473	Drill Core	0.129	5	2	0.22	37	<0.001	<20	0.57	0.01	0.41	<2	5	2	<5	6.28	<5
REP 1935473	QC	0.132	6	<1	0.23	39	<0.001	<20	0.60	0.01	0.41	<2	<5	<1	<5	6.43	<5
1935504	Drill Core	0.136	5	4	1.06	73	0.001	<20	1.66	0.04	0.35	<2	<5	<1	6	2.73	<5
REP 1935504	QC	0.131	5	4	1.03	77	0.002	<20	1.67	0.04	0.35	<2	<5	<1	6	2.62	<5
REP 1935506	QC																
1935539	Drill Core	0.154	4	2	0.64	38	<0.001	<20	0.69	0.02	0.35	<2	<5	<1	<5	4.31	5
REP 1935539	QC	0.155	4	2	0.64	40	<0.001	<20	0.69	0.02	0.36	<2	<5	<1	<5	4.29	5
1935556	Drill Core	0.154	4	3	1.29	61	0.001	<20	1.48	0.04	0.27	<2	<5	<1	<5	2.68	<5
REP 1935556	QC	0.155	5	3	1.30	67	0.001	<20	1.51	0.04	0.28	<2	<5	<1	<5	2.66	<5
1935573	Drill Core	0.084	7	3	0.35	29	<0.001	<20	0.79	0.02	0.34	<2	<5	<1	<5	1.96	5
REP 1935573	QC	0.087	7	3	0.34	33	<0.001	<20	0.78	0.02	0.33	<2	<5	<1	<5	1.89	5
1935579	Drill Core	0.120	4	<1	0.85	9	<0.001	<20	0.93	0.02	0.29	<2	<5	<1	<5	8.37	6
REP 1935579	QC	0.119	4	<1	0.84	10	<0.001	<20	0.93	0.02	0.29	<2	<5	<1	<5	8.35	6
Core Reject Duplicates																	
1935404	Drill Core	0.159	6	4	0.81	235	0.003	<20	1.92	0.04	0.47	<2	<5	<1	6	1.03	8
DUP 1935404	QC	0.154	5	2	0.80	223	0.003	<20	1.77	0.03	0.43	<2	<5	<1	<5	0.95	7
1935438	Drill Core	0.121	6	3	0.49	13	<0.001	<20	1.01	0.02	0.34	<2	<5	<1	<5	3.94	<5
DUP 1935438	QC	0.125	6	2	0.49	13	<0.001	<20	1.04	0.02	0.36	<2	<5	<1	<5	4.00	<5

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530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 16, 2012

QUALITY CONTROL REPORT SMI12000045.1

		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1935472	Drill Core	3.39	0.291	<1	241	5	6	0.3	<1	6	2039	3.18	13	<2	<2	121	<0.5	<3	3	7	9.76
DUP 1935472	QC	<0.01	0.273	<1	243	<3	6	<0.3	<1	6	1992	3.20	12	<2	<2	116	<0.5	<3	4	7	9.56
1935506	Drill Core	3.90	0.283	7	733	6	32	0.6	3	13	1038	5.37	41	<2	2	45	<0.5	<3	<3	15	2.84
DUP 1935506	QC	<0.01	0.266	8	765	5	33	0.7	3	13	1094	5.51	43	<2	2	48	<0.5	<3	3	16	2.91
1935540	Drill Core	4.39	0.193	1	224	4	6	2.1	3	14	615	5.05	12	<2	<2	36	<0.5	<3	5	11	2.21
DUP 1935540	QC	<0.01	0.256	1	235	6	7	2.5	2	14	623	5.02	11	<2	2	36	<0.5	<3	6	12	2.24
1935574	Drill Core	1.04	0.078	10	368	10	106	0.8	4	15	1278	6.69	12	<2	<2	64	<0.5	<3	<3	61	1.73
DUP 1935574	QC	<0.01	0.078	11	348	8	108	0.7	4	15	1350	6.40	12	<2	<2	65	<0.5	<3	3	64	1.76
Reference Materials																					
STD DS9	Standard			14	114	125	338	1.7	44	8	607	2.45	29	<2	6	70	2.8	5	9	43	0.74
STD DS9	Standard			13	104	127	335	1.5	42	7	599	2.36	25	<2	6	72	2.4	6	6	41	0.75
STD DS9	Standard			12	108	129	324	1.5	40	7	587	2.32	26	<2	6	71	2.2	5	5	39	0.71
STD DS9	Standard			12	105	133	330	1.9	41	7	600	2.35	28	<2	7	70	2.4	7	11	39	0.73
STD DS9	Standard			13	106	144	339	1.8	44	9	613	2.42	28	<2	7	76	2.7	4	6	44	0.76
STD DS9	Standard			13	105	130	326	1.8	41	8	590	2.36	27	<2	6	71	2.4	4	6	41	0.73
STD DS9	Standard			14	112	142	354	1.7	44	9	622	2.48	28	<2	6	77	2.6	5	4	44	0.77
STD DS9	Standard			13	109	140	342	1.7	41	8	612	2.48	27	<2	7	75	2.4	5	7	41	0.76
STD OREAS45CA	Standard			3	519	30	58	<0.3	256	98	983	17.18	3	<2	7	15	<0.5	<3	<3	226	0.46
STD OREAS45CA	Standard			<1	503	24	59	0.5	248	92	988	15.62	2	<2	7	15	<0.5	<3	<3	214	0.44
STD OREAS45CA	Standard			<1	533	27	63	0.6	262	97	1021	15.89	<2	<2	9	16	<0.5	6	<3	220	0.47
STD OREAS45CA	Standard			<1	532	17	65	0.3	256	92	1021	16.06	<2	<2	7	16	1.6	4	<3	212	0.46
STD OREAS45CA	Standard			1	511	20	60	<0.3	255	99	951	16.71	3	6	8	14	<0.5	<3	<3	225	0.44
STD OREAS45CA	Standard			<1	497	25	61	0.3	249	99	957	16.23	4	4	8	14	<0.5	<3	<3	226	0.45
STD OREAS45CA	Standard			2	520	23	59	<0.3	254	98	972	15.73	3	5	7	15	<0.5	<3	<3	224	0.46
STD OREAS45CA	Standard			1	523	22	62	<0.3	255	94	954	16.85	4	<2	8	15	<0.5	<3	<3	215	0.45
STD OXG99	Standard		0.921																		
STD OXG99	Standard		0.950																		
STD OXG99	Standard		1.004																		
STD OXG99	Standard		0.991																		

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Project: None Given
Report Date: July 16, 2012

QUALITY CONTROL REPORT SMI12000045.1

		1D P % 0.001	1D La ppm 1	1D Cr ppm 1	1D Mg % 0.01	1D Ba ppm 1	1D Ti % 0.001	1D B ppm 20	1D Al % 0.01	1D Na % 0.01	1D K % 0.01	1D W ppm 2	1D Tl ppm 5	1D Hg ppm 1	Ga ppm 5	S % 0.05	1D Sc ppm 5
1935472	Drill Core	0.100	13	2	0.14	99	<0.001	<20	0.55	0.01	0.34	<2	<5	<1	<5	3.09	<5
DUP 1935472	QC	0.104	13	1	0.14	109	<0.001	<20	0.54	0.01	0.34	<2	<5	<1	<5	3.09	<5
1935506	Drill Core	0.121	7	1	0.28	27	<0.001	<20	0.70	0.01	0.40	<2	<5	<1	<5	5.47	<5
DUP 1935506	QC	0.124	7	3	0.30	28	<0.001	<20	0.73	0.01	0.40	<2	<5	<1	<5	5.59	<5
1935540	Drill Core	0.151	3	3	0.27	33	<0.001	<20	0.50	0.01	0.34	<2	<5	<1	<5	5.72	<5
DUP 1935540	QC	0.148	3	2	0.27	41	<0.001	<20	0.55	0.01	0.37	<2	<5	<1	<5	5.71	<5
1935574	Drill Core	0.112	3	<1	1.37	16	0.001	<20	1.87	0.03	0.26	<2	<5	<1	6	4.16	8
DUP 1935574	QC	0.111	3	3	1.44	19	0.001	<20	1.96	0.03	0.26	<2	<5	<1	5	3.67	8
Reference Materials																	
STD DS9	Standard	0.094	11	126	0.65	338	0.102	<20	0.96	0.09	0.43	3	5	<1	<5	0.18	<5
STD DS9	Standard	0.086	13	122	0.65	342	0.110	<20	0.99	0.09	0.40	2	<5	<1	6	0.17	<5
STD DS9	Standard	0.083	11	118	0.63	332	0.109	<20	0.96	0.09	0.41	<2	5	<1	<5	0.16	<5
STD DS9	Standard	0.087	11	115	0.63	340	0.108	<20	0.97	0.09	0.42	<2	<5	<1	<5	0.16	<5
STD DS9	Standard	0.090	14	131	0.65	338	0.112	<20	1.01	0.09	0.42	2	<5	<1	11	0.19	<5
STD DS9	Standard	0.085	12	120	0.62	330	0.106	<20	0.96	0.09	0.41	2	<5	<1	8	0.18	<5
STD DS9	Standard	0.091	13	129	0.67	352	0.113	<20	1.01	0.10	0.44	2	<5	<1	10	0.19	<5
STD DS9	Standard	0.087	13	121	0.65	338	0.112	<20	1.00	0.09	0.42	3	<5	<1	8	0.17	<5
STD OREAS45CA	Standard	0.043	17	734	0.14	171	0.127	<20	3.63	0.01	0.08	<2	<5	<1	10	<0.05	48
STD OREAS45CA	Standard	0.040	16	746	0.13	165	0.130	<20	3.55	0.01	0.07	<2	<5	<1	12	<0.05	46
STD OREAS45CA	Standard	0.042	16	768	0.13	174	0.131	<20	3.68	0.01	0.07	<2	<5	1	14	<0.05	49
STD OREAS45CA	Standard	0.042	16	769	0.14	175	0.130	<20	3.65	0.01	0.07	<2	<5	<1	16	<0.05	49
STD OREAS45CA	Standard	0.041	17	755	0.13	164	0.142	<20	3.74	0.01	0.08	<2	<5	<1	11	<0.05	48
STD OREAS45CA	Standard	0.041	17	740	0.13	165	0.137	<20	3.69	0.01	0.08	<2	<5	<1	11	<0.05	47
STD OREAS45CA	Standard	0.044	17	765	0.13	169	0.132	<20	3.59	0.02	0.08	<2	<5	<1	16	<0.05	48
STD OREAS45CA	Standard	0.040	16	758	0.13	165	0.134	<20	3.80	0.01	0.07	<2	<5	<1	25	<0.05	48
STD OXG99	Standard																
STD OXG99	Standard																
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Vancouver BC V6C 3A8 Canada

Project: None Given
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QUALITY CONTROL REPORT SMI12000045.1

		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
STD OXG99	Standard		0.953																		
STD OXG99	Standard		0.977																		
STD OXG99	Standard		0.961																		
STD OXG99	Standard		0.978																		
STD OXG99	Standard		0.951																		
STD OXG99	Standard		0.917																		
STD OXK94	Standard		3.406																		
STD OXK94	Standard		3.459																		
STD OXK94	Standard		3.700																		
STD OXK94	Standard		3.661																		
STD OXK94	Standard		3.702																		
STD OXK94	Standard		3.686																		
STD OXK94	Standard		3.613																		
STD OXK94	Standard		3.856																		
STD OXK94	Standard		3.761																		
STD OXK94	Standard		3.765																		
STD OXK94	Standard		3.703																		
STD OXK94 Expected			3.562																		
STD OXG99 Expected			0.932																		
STD DS9 Expected				12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	0.118	6.38	69.6	2.4	4.94	6.32	40	0.7201
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	0.043	7	15	0.1	0.13	0.19	215	0.4265
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
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		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5
STD OXG99	Standard																
STD OXG99	Standard																
STD OXG99	Standard																
STD OXG99	Standard																
STD OXG99	Standard																
STD OXG99	Standard																
STD OXK94	Standard																
STD OXK94	Standard																
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STD OXK94	Standard																
STD OXK94	Standard																
STD OXK94	Standard																
STD OXK94	Standard																
STD OXK94	Standard																
STD OXK94 Expected																	
STD OXG99 Expected																	
STD DS9 Expected		0.0819	13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	5.3	0.2	4.59	0.1615	2.5
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.07	0.03		0.021	
BLK	Blank																
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		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank			<1	2	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
Prep Wash																					
G1-SMI	Prep Blank	<0.01	<0.005	<1	3	3	49	<0.3	4	4	618	2.08	<2	<2	5	63	<0.5	<3	<3	43	0.53
G1-SMI	Prep Blank	<0.01	<0.005	<1	2	4	47	<0.3	3	3	587	2.03	<2	<2	5	65	<0.5	<3	<3	42	0.54

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Report Date: July 16, 2012

QUALITY CONTROL REPORT SMI12000045.1

		1D P % 0.001	1D La ppm 1	1D Cr ppm 1	1D Mg % 0.01	1D Ba ppm 1	1D Ti % 0.001	1D B ppm 20	1D Al % 0.01	1D Na % 0.01	1D K % 0.01	1D W ppm 2	1D Tl ppm 5	1D Hg ppm 1	Ga ppm 5	S % 0.05	1D Sc ppm 5
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<5	<1	<5	<0.05	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<5	<1	<5	<0.05	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<5	2	<5	<0.05	<5
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<5	<1	<5	<0.05	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<5	<1	<5	<0.05	<5
BLK	Blank																
BLK	Blank																
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<5	<1	<5	<0.05	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<5	<1	<5	<0.05	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<5	<1	<5	<0.05	<5
Prep Wash																	
G1-SMI	Prep Blank	0.089	10	10	0.55	192	0.131	<20	1.04	0.11	0.56	<2	<5	<1	<5	<0.05	<5
G1-SMI	Prep Blank	0.089	12	10	0.53	194	0.124	<20	1.00	0.13	0.57	<2	<5	<1	<5	<0.05	<5

AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.

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Client: **West Cirque Resources**
530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Submitted By:	John Bradford
Receiving Lab:	Canada-Smithers
Received:	July 06, 2012
Report Date:	July 25, 2012
Page:	1 of 7

CERTIFICATE OF ANALYSIS SMI12000069.2

CLIENT JOB INFORMATION

Project:	None Given
Shipment ID:	
P.O. Number	
Number of Samples:	154

SAMPLE DISPOSAL

STOR-PLP	Store After 90 days Invoice for Storage
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	151	Crush, split and pulverize 250 g rock to 200 mesh			SMI
G601	154	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
1D01	154	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: West Cirque Resources
530 - 510 Burrard Street
Vancouver BC V6C 3A8
Canada

CC: Nigel Luckman

AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **West Cirque Resources**
530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 25, 2012

CERTIFICATE OF ANALYSIS SMI12000069.2

	Method	WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
G1-SMI	Prep Blank	<0.01	<0.005	<1	1	<3	47	<0.3	3	4	581	2.09	<2	<2	7	72	<0.5	<3	<3	40	0.55
G1-SMI	Prep Blank	<0.01	<0.005	<1	1	<3	48	<0.3	3	4	580	2.06	<2	<2	7	67	<0.5	<3	<3	40	0.54
1936651	Rock	1.74	<0.005	<1	15	<3	39	<0.3	<1	2	1508	0.44	2	<2	4	59	0.6	<3	<3	<1	4.29
1936652	Rock	1.32	0.013	<1	85	<3	56	<0.3	3	14	1251	4.16	4	<2	<2	15	<0.5	<3	<3	47	0.92
1936653	Rock	1.13	0.130	2	164	6	65	2.8	3	5	753	12.09	34	<2	<2	32	<0.5	<3	<3	71	0.14
1936654	Rock	1.22	0.005	<1	1	<3	130	<0.3	9	19	987	2.31	3	<2	<2	144	<0.5	<3	<3	62	1.33
1936655	Rock	1.12	<0.005	<1	37	<3	136	<0.3	8	17	1825	4.73	<2	<2	<2	45	<0.5	<3	<3	115	1.31
1936656	Rock	1.22	<0.005	<1	4	4	99	<0.3	3	11	1621	3.95	6	<2	<2	65	<0.5	<3	<3	83	2.80
1935580	Rock	3.74	0.063	27	414	<3	36	<0.3	1	9	1205	3.01	7	<2	<2	44	<0.5	<3	<3	16	2.52
1935581	Rock	2.97	0.263	13	1168	<3	70	0.6	2	9	1626	4.13	11	<2	<2	60	<0.5	<3	<3	28	4.64
1935582	Rock	2.98	0.145	11	1011	<3	111	0.6	2	8	1650	5.40	4	<2	<2	36	<0.5	<3	<3	66	2.69
1935583	Rock	4.03	0.221	9	919	<3	74	2.2	2	7	1828	6.60	26	<2	<2	56	<0.5	<3	<3	44	3.35
1935584	Rock	4.17	0.475	7	1084	23	26	2.9	2	8	722	5.60	52	<2	<2	29	<0.5	<3	4	14	2.24
1935585	Rock	3.85	0.176	6	821	<3	39	0.8	1	6	1096	3.41	7	<2	<2	39	<0.5	<3	<3	24	3.30
1935586	Rock	4.03	0.196	6	1257	4	39	0.8	2	7	1109	3.35	7	<2	<2	41	<0.5	<3	<3	22	3.23
1935587	Rock	4.60	0.412	19	2048	16	41	3.7	4	12	849	7.92	50	<2	<2	25	<0.5	<3	5	19	2.26
1935588	Rock	2.97	0.523	31	2627	<3	46	1.6	2	11	1162	4.61	13	<2	<2	40	<0.5	<3	<3	25	3.07
1935589	Rock	3.21	0.295	15	1676	<3	63	0.7	2	9	841	5.39	<2	<2	2	26	<0.5	<3	<3	54	1.73
1935590	Rock	3.21	0.273	20	1587	<3	46	0.8	2	8	751	4.45	4	<2	<2	25	<0.5	<3	<3	26	1.80
1935591	Rock	3.18	0.308	10	1096	7	35	3.4	2	8	725	5.13	4	<2	<2	26	<0.5	<3	<3	23	1.89
1935592	Rock	4.52	0.686	9	904	4	26	2.3	2	9	768	6.16	24	<2	<2	31	<0.5	<3	3	13	2.59
1935593	Rock	3.79	0.163	9	1021	<3	36	0.6	2	7	995	2.86	<2	<2	3	42	<0.5	<3	<3	28	3.02
1935594	Rock	3.17	0.063	6	381	<3	67	<0.3	5	7	1127	3.89	<2	<2	3	34	<0.5	<3	<3	52	2.57
1935595	Rock	3.23	0.075	27	451	<3	80	0.4	2	7	1302	4.13	3	<2	3	39	<0.5	<3	<3	62	2.70
1935596	Rock	4.07	0.269	9	1179	<3	31	0.8	2	7	1016	2.59	5	<2	<2	39	<0.5	<3	<3	21	2.90
1935597	Rock	3.37	0.242	18	1072	<3	47	0.5	2	9	1406	3.52	3	<2	2	60	<0.5	<3	<3	33	4.23
1935598	Rock	2.97	0.155	8	911	<3	95	0.4	2	9	1286	4.16	<2	<2	2	39	<0.5	<3	<3	56	2.72
1935599	Rock	4.33	0.105	7	703	<3	120	<0.3	2	9	1492	4.90	<2	<2	2	39	<0.5	<3	<3	66	2.79
1935600	Rock Pulp	0.07	0.788	422	>10000	12	70	4.1	34	12	461	2.99	16	<2	<2	41	0.5	<3	<3	52	0.79
1935601	Rock	2.80	0.098	10	793	<3	138	0.3	2	8	1461	4.68	<2	<2	<2	35	<0.5	<3	<3	66	2.32

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Client: **West Cirque Resources**
530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 25, 2012

CERTIFICATE OF ANALYSIS SMI12000069.2

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5
G1-SMI	Prep Blank	0.078	15	10	0.53	188	0.138	27	1.03	0.13	0.54	<2	<5	<1	5	<0.05	<5
G1-SMI	Prep Blank	0.079	13	11	0.55	192	0.138	20	1.01	0.12	0.55	<2	<5	<1	<5	<0.05	<5
1936651	Rock	0.006	17	7	0.03	213	0.001	<20	0.32	0.03	0.22	<2	<5	<1	<5	<0.05	<5
1936652	Rock	0.120	5	4	1.02	104	0.002	<20	1.44	0.03	0.33	<2	<5	<1	<5	1.88	<5
1936653	Rock	0.152	3	5	0.96	322	0.001	<20	1.46	0.03	0.39	<2	<5	<1	<5	1.14	<5
1936654	Rock	0.116	3	13	2.03	45	0.103	22	2.38	0.05	0.05	<2	<5	<1	6	<0.05	<5
1936655	Rock	0.116	4	13	1.74	347	0.135	<20	2.18	0.04	0.21	<2	<5	<1	7	<0.05	9
1936656	Rock	0.134	5	4	1.50	236	0.045	<20	2.09	0.05	0.20	<2	<5	<1	8	0.08	7
1935580	Rock	0.108	8	1	0.35	324	0.002	<20	0.99	0.01	0.43	<2	<5	<1	<5	1.17	<5
1935581	Rock	0.104	7	2	0.48	188	0.002	<20	1.34	<0.01	0.40	<2	<5	<1	<5	1.70	<5
1935582	Rock	0.122	7	2	0.94	615	0.002	<20	1.79	0.03	0.35	<2	<5	<1	6	0.60	5
1935583	Rock	0.097	6	4	0.74	41	0.001	<20	1.31	0.02	0.36	<2	<5	<1	<5	3.05	<5
1935584	Rock	0.119	5	3	0.12	66	<0.001	<20	0.62	<0.01	0.37	<2	<5	<1	<5	5.35	<5
1935585	Rock	0.124	6	2	0.27	120	0.002	<20	1.08	0.01	0.42	<2	<5	<1	<5	1.04	<5
1935586	Rock	0.123	8	1	0.32	258	0.001	<20	1.06	0.01	0.41	<2	<5	<1	<5	1.39	<5
1935587	Rock	0.108	5	3	0.29	52	0.001	<20	0.97	0.01	0.40	<2	<5	<1	<5	6.46	<5
1935588	Rock	0.112	7	2	0.53	164	0.002	<20	1.32	0.01	0.38	<2	<5	<1	<5	2.01	<5
1935589	Rock	0.107	7	3	0.87	297	0.002	<20	1.56	0.03	0.35	<2	<5	<1	6	0.73	<5
1935590	Rock	0.098	7	2	0.49	217	0.001	<20	1.19	0.02	0.40	<2	<5	<1	<5	1.85	<5
1935591	Rock	0.103	6	3	0.38	89	0.001	<20	0.99	0.02	0.40	<2	<5	1	<5	3.56	<5
1935592	Rock	0.123	6	2	0.22	69	<0.001	<20	0.86	0.01	0.42	<2	<5	<1	<5	5.20	<5
1935593	Rock	0.124	9	1	0.49	403	0.001	<20	1.19	0.02	0.42	<2	<5	<1	<5	0.63	<5
1935594	Rock	0.120	10	9	0.97	128	0.002	<20	1.61	0.03	0.35	<2	<5	<1	6	0.22	<5
1935595	Rock	0.121	11	3	0.98	426	0.002	<20	1.67	0.04	0.39	<2	<5	<1	6	0.42	<5
1935596	Rock	0.119	9	3	0.34	351	<0.001	<20	0.98	0.02	0.41	<2	<5	<1	<5	0.93	<5
1935597	Rock	0.114	11	2	0.57	417	0.001	<20	1.36	0.03	0.42	<2	<5	<1	<5	0.94	<5
1935598	Rock	0.123	11	3	0.97	254	0.003	<20	1.58	0.04	0.34	<2	<5	<1	6	0.77	<5
1935599	Rock	0.121	11	3	1.18	295	0.003	<20	1.74	0.06	0.26	<2	<5	<1	7	0.32	6
1935600	Rock Pulp	0.053	5	46	0.63	128	0.103	21	1.27	0.10	0.12	26	<5	<1	<5	0.83	<5
1935601	Rock	0.129	12	3	1.19	119	0.004	22	1.87	0.05	0.28	<2	<5	<1	6	0.23	6

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Client: **West Cirque Resources**
530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 25, 2012

CERTIFICATE OF ANALYSIS SMI12000069.2

	Method	WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1935602	Rock	3.53	0.120	10	1055	<3	146	0.4	2	7	1646	4.94	3	<2	2	36	<0.5	<3	<3	64	2.52
1935603	Rock	3.73	0.207	9	1355	5	120	1.9	2	8	1458	5.25	16	<2	<2	37	<0.5	<3	<3	49	2.55
1935604	Rock	4.74	0.239	9	1353	<3	86	0.6	2	10	1438	3.90	6	<2	<2	50	<0.5	<3	<3	42	2.90
1935605	Rock	4.02	0.194	7	918	5	102	1.5	34	21	1718	5.98	18	<2	<2	59	<0.5	<3	<3	60	3.93
1935606	Rock	4.16	0.252	9	1197	5	107	1.5	25	16	1511	7.05	27	<2	<2	48	<0.5	<3	<3	51	3.40
1935607	Rock	3.66	0.441	3	1223	<3	102	2.7	11	13	1458	5.74	38	<2	3	31	1.7	<3	4	45	2.26
1935608	Rock	3.66	0.270	3	1141	7	56	<0.3	1	8	1320	3.50	7	<2	3	42	1.1	<3	7	32	2.86
1935609	Rock	3.77	0.299	4	1038	<3	59	1.5	<1	8	1651	3.82	13	<2	3	55	1.3	<3	5	26	3.81
1935610	Rock	1.96	0.088	15	992	7	36	1.4	2	7	1123	2.89	16	<2	3	33	0.9	<3	3	18	2.96
1935611	Rock	2.38	0.114	11	754	<3	119	0.7	2	9	1332	4.09	3	<2	<2	25	1.3	<3	<3	61	1.76
1935612	Rock	1.98	0.085	12	936	<3	143	0.4	2	9	1306	4.29	<2	<2	2	24	1.2	<3	<3	99	1.40
1935613	Rock	2.58	0.144	13	1216	4	138	0.4	2	9	1499	4.43	<2	<2	3	26	1.2	<3	<3	81	1.58
1935614	Rock	2.07	0.148	15	761	4	117	0.5	3	9	1475	4.78	5	<2	3	27	1.3	<3	<3	81	1.41
1935615	Rock	3.35	0.095	9	494	5	41	0.5	2	9	1091	2.87	10	<2	<2	33	0.5	<3	<3	28	2.95
1935616	Rock	2.50	0.150	24	456	<3	33	<0.3	3	13	2786	2.63	16	<2	3	100	0.9	3	<3	18	8.03
1935617	Rock	3.57	0.079	20	500	<3	34	<0.3	<1	11	1092	2.41	9	<2	3	48	0.7	<3	<3	24	3.39
1935618	Rock	3.03	0.061	12	532	7	27	0.3	3	15	1092	2.59	13	<2	2	57	0.6	<3	<3	22	4.05
1935619	Rock	3.80	0.090	12	413	<3	22	0.5	3	15	1741	2.78	24	<2	<2	79	0.6	<3	<3	15	6.13
1935620	Rock	2.72	0.062	7	250	3	22	0.5	2	14	866	2.85	6	<2	3	36	<0.5	4	<3	20	2.75
1935621	Rock	3.83	0.089	15	225	4	28	0.5	2	12	1660	3.80	27	<2	2	59	0.9	<3	4	19	4.94
1935622	Rock	2.93	0.053	37	546	4	24	<0.3	3	13	1295	3.17	6	<2	<2	62	0.7	<3	<3	18	4.17
1935623	Rock	3.00	0.075	11	397	6	30	<0.3	3	10	1689	4.09	12	<2	<2	55	0.9	4	<3	22	4.26
1935624	Rock	3.63	0.129	10	237	10	25	1.5	2	9	1417	3.82	16	<2	<2	49	0.7	<3	5	23	3.39
1935625	Rock	0.71	<0.005	<1	<1	<3	<1	<0.3	<1	<1	23	0.07	<2	<2	<2	3928	<0.5	<3	<3	<1	34.39
1935626	Rock	4.14	0.133	18	113	9	42	0.7	2	10	1763	5.34	24	<2	2	55	1.3	<3	4	20	4.27
1935627	Rock	2.69	0.198	7	220	<3	41	1.9	3	12	1270	4.62	14	<2	<2	39	0.9	<3	<3	21	3.54
1935628	Rock	2.43	0.059	18	222	<3	106	0.4	2	18	1187	4.91	<2	<2	2	27	0.9	<3	<3	54	2.31
1935629	Rock	3.67	0.025	16	217	<3	81	<0.3	21	15	1546	4.18	<2	<2	<2	56	1.2	<3	<3	54	3.92
1935630	Rock	3.14	0.038	29	247	<3	110	<0.3	4	13	1563	4.32	7	<2	3	42	1.0	<3	<3	56	3.22
1935631	Rock	3.91	0.301	18	104	3	165	2.4	5	11	1528	6.04	25	<2	<2	52	1.1	3	5	45	3.24

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Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 25, 2012

CERTIFICATE OF ANALYSIS SMI12000069.2

Method		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5
1935602	Rock	0.123	11	3	1.33	134	0.003	<20	2.06	0.05	0.32	<2	<5	<1	7	0.25	6
1935603	Rock	0.115	8	3	1.08	205	0.003	21	1.80	0.04	0.31	<2	<5	<1	6	1.63	<5
1935604	Rock	0.119	9	2	0.81	444	0.003	26	1.31	0.04	0.36	<2	<5	<1	<5	0.86	<5
1935605	Rock	0.093	6	45	1.65	109	0.003	<20	2.18	0.03	0.38	<2	<5	<1	6	2.34	8
1935606	Rock	0.096	7	35	1.48	110	0.002	<20	2.41	0.02	0.42	<2	<5	<1	6	2.75	6
1935607	Rock	0.104	6	31	1.16	26	0.001	<20	1.97	0.02	0.37	<2	<5	<1	<5	2.91	<5
1935608	Rock	0.116	7	2	0.82	52	<0.001	<20	1.33	0.03	0.33	<2	<5	<1	<5	1.68	<5
1935609	Rock	0.115	7	2	0.73	58	<0.001	<20	1.50	0.02	0.35	<2	<5	<1	<5	1.40	<5
1935610	Rock	0.130	9	3	0.34	186	<0.001	<20	1.03	0.02	0.39	9	<5	<1	<5	0.90	<5
1935611	Rock	0.130	10	3	1.15	203	0.004	<20	1.88	0.03	0.27	<2	<5	<1	<5	0.62	5
1935612	Rock	0.154	11	4	1.48	199	0.048	<20	1.91	0.06	0.19	<2	<5	<1	<5	0.29	9
1935613	Rock	0.157	10	3	1.39	276	0.031	<20	1.92	0.05	0.25	<2	<5	<1	<5	0.66	8
1935614	Rock	0.153	8	3	1.13	173	0.030	<20	1.77	0.06	0.27	<2	<5	<1	<5	1.18	7
1935615	Rock	0.153	8	1	0.45	117	0.001	<20	0.97	0.02	0.34	<2	<5	<1	<5	1.62	<5
1935616	Rock	0.126	13	<1	0.39	135	<0.001	<20	1.01	0.01	0.32	<2	<5	2	<5	1.40	<5
1935617	Rock	0.165	8	1	0.40	263	<0.001	<20	1.16	0.02	0.45	<2	<5	<1	<5	0.90	<5
1935618	Rock	0.152	5	2	0.26	53	<0.001	<20	1.06	0.02	0.43	<2	<5	<1	<5	1.70	<5
1935619	Rock	0.144	9	<1	0.23	46	<0.001	<20	0.89	0.01	0.37	<2	<5	1	<5	2.13	<5
1935620	Rock	0.157	6	2	0.29	100	<0.001	<20	0.93	0.02	0.38	<2	<5	<1	<5	1.71	<5
1935621	Rock	0.145	7	<1	0.38	44	<0.001	<20	1.08	0.01	0.35	<2	<5	<1	<5	2.72	<5
1935622	Rock	0.148	8	1	0.36	33	<0.001	<20	1.05	0.01	0.34	<2	<5	<1	<5	1.93	<5
1935623	Rock	0.146	6	2	0.45	82	<0.001	<20	1.24	0.01	0.34	<2	<5	<1	<5	2.54	<5
1935624	Rock	0.154	5	1	0.48	46	<0.001	<20	1.18	0.01	0.37	<2	<5	2	<5	2.37	<5
1935625	Rock	0.004	<1	<1	1.96	9	0.002	<20	0.13	0.01	<0.01	<2	<5	2	<5	0.07	<5
1935626	Rock	0.130	5	1	0.52	47	<0.001	<20	1.18	0.01	0.32	<2	<5	<1	<5	4.51	<5
1935627	Rock	0.151	5	2	0.50	41	<0.001	<20	1.16	0.01	0.36	<2	<5	1	<5	3.86	<5
1935628	Rock	0.156	4	3	1.36	260	0.001	<20	2.26	0.03	0.26	<2	<5	1	<5	0.95	<5
1935629	Rock	0.122	4	21	1.78	413	0.001	<20	1.70	0.04	0.27	<2	<5	<1	<5	0.60	10
1935630	Rock	0.146	6	4	1.43	170	0.001	<20	1.80	0.04	0.29	<2	<5	2	<5	1.05	6
1935631	Rock	0.148	5	3	1.40	28	<0.001	<20	2.58	0.01	0.30	<2	<5	2	<5	2.08	<5

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530 - 510 Burrard Street
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Project: None Given
Report Date: July 25, 2012

CERTIFICATE OF ANALYSIS SMI12000069.2

Method		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1935632	Rock	2.39	0.238	10	530	<3	8	1.6	3	25	724	4.92	42	<2	<2	64	0.7	<3	7	11	2.54
1935633	Rock	4.54	0.198	10	471	<3	36	0.7	3	18	1501	3.83	18	<2	<2	95	0.7	<3	<3	27	4.31
1935634	Rock	3.45	0.110	17	161	<3	43	<0.3	2	20	1181	4.97	6	<2	<2	50	0.7	<3	11	37	3.43
1935635	Rock	3.86	0.049	4	172	<3	44	<0.3	3	12	1084	3.50	5	<2	2	56	<0.5	<3	<3	40	2.76
1935636	Rock	4.72	0.127	11	278	4	39	0.4	3	10	1213	3.91	11	<2	<2	58	0.6	<3	6	39	3.29
1935637	Rock	4.12	0.114	9	309	4	19	0.3	2	9	968	3.98	13	<2	<2	43	0.5	<3	<3	25	2.88
1935638	Rock	4.69	0.099	5	137	<3	18	<0.3	2	13	899	2.83	13	<2	<2	50	<0.5	<3	<3	19	3.43
1935639	Rock	4.19	0.113	1	182	<3	26	0.4	4	11	1121	3.72	15	<2	<2	51	0.6	<3	<3	25	3.67
1935640	Rock	4.03	0.076	3	377	6	43	<0.3	2	11	1100	3.49	9	<2	<2	63	<0.5	<3	<3	39	3.43
1935641	Rock	4.52	0.108	37	207	5	13	<0.3	2	11	840	3.31	18	<2	<2	50	<0.5	<3	<3	19	3.37
1935642	Rock	4.19	0.042	4	145	<3	35	<0.3	2	15	1380	3.37	10	<2	<2	76	<0.5	<3	<3	35	4.77
1935643	Rock	4.15	0.135	3	193	8	15	1.0	2	12	978	4.05	38	<2	<2	55	<0.5	<3	3	20	3.87
1935644	Rock	4.46	0.088	63	139	7	10	<0.3	2	12	912	3.62	75	<2	<2	53	<0.5	<3	<3	18	3.61
1935645	Rock	4.55	0.069	4	696	9	49	<0.3	9	17	2621	5.41	39	<2	<2	78	0.7	<3	<3	70	6.75
1935646	Rock	4.46	0.005	2	119	<3	45	<0.3	14	9	1048	3.72	4	<2	<2	60	<0.5	<3	<3	48	3.55
1935647	Rock	4.03	<0.005	3	<1	<3	15	<0.3	<1	2	974	2.67	<2	<2	<2	72	<0.5	<3	<3	6	3.73
1935648	Rock	4.64	<0.005	2	<1	<3	14	<0.3	<1	2	971	2.61	<2	<2	<2	58	<0.5	<3	<3	6	3.41
1935649	Rock	4.33	0.007	1	158	4	30	<0.3	5	11	1582	4.66	7	<2	<2	67	0.6	<3	<3	60	4.27
1935650	Rock Pulp	0.08	0.471	348	5530	3	47	1.2	27	12	436	3.26	4	<2	<2	39	0.6	<3	<3	59	0.83
1935651	Rock	4.82	<0.005	1	102	4	43	<0.3	12	16	1686	5.57	6	<2	<2	80	0.6	<3	<3	89	4.71
1935652	Rock	3.96	0.008	<1	206	7	45	<0.3	6	12	1625	5.61	8	<2	<2	77	0.8	<3	<3	78	4.88
1935653	Rock	4.31	<0.005	2	3	<3	67	<0.3	<1	13	1346	5.35	<2	<2	<2	89	<0.5	<3	<3	79	4.33
1935654	Rock	4.59	0.191	26	481	5	20	<0.3	2	13	868	4.56	15	<2	<2	48	<0.5	<3	<3	24	3.40
1935655	Rock	4.57	0.179	26	826	3	8	<0.3	2	13	658	2.69	11	<2	<2	35	<0.5	<3	<3	12	2.30
1935656	Rock	4.17	0.168	12	401	4	12	<0.3	2	15	676	3.74	16	<2	<2	57	<0.5	<3	<3	19	3.69
1935657	Rock	3.95	0.143	40	706	4	18	<0.3	2	11	576	2.78	14	<2	<2	79	<0.5	<3	<3	23	3.37
1935658	Rock	4.87	0.168	33	470	3	8	<0.3	2	11	495	2.14	31	<2	<2	46	<0.5	<3	<3	16	2.84
1935659	Rock	2.19	0.060	4	183	5	52	<0.3	2	9	539	5.92	9	<2	<2	54	<0.5	<3	3	75	1.98
1935660	Rock	4.13	0.053	4	307	5	40	<0.3	1	8	1088	4.92	9	<2	<2	76	<0.5	<3	<3	39	3.70
1935661	Rock	4.23	0.124	10	506	4	40	<0.3	3	8	969	4.87	7	<2	<2	56	0.5	<3	<3	41	3.54

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	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5
1935632	Rock	0.140	3	2	0.09	8	<0.001	<20	0.58	0.01	0.38	<2	<5	3	<5	5.35	<5
1935633	Rock	0.140	5	1	0.61	22	<0.001	<20	1.27	0.02	0.38	<2	<5	<1	<5	2.70	<5
1935634	Rock	0.140	4	2	0.82	23	<0.001	<20	1.50	0.02	0.35	<2	<5	<1	<5	3.42	<5
1935635	Rock	0.159	6	2	0.84	110	<0.001	<20	1.53	0.02	0.36	<2	<5	<1	<5	0.99	6
1935636	Rock	0.147	5	2	0.83	31	<0.001	<20	1.43	0.02	0.36	<2	<5	<1	<5	2.24	5
1935637	Rock	0.157	5	2	0.41	92	<0.001	<20	1.21	0.02	0.38	<2	<5	<1	<5	2.48	<5
1935638	Rock	0.156	6	1	0.29	115	<0.001	<20	0.95	0.01	0.37	2	<5	<1	<5	2.00	5
1935639	Rock	0.156	6	1	0.47	71	<0.001	<20	1.15	0.02	0.39	<2	<5	<1	<5	2.73	5
1935640	Rock	0.149	4	2	0.81	49	<0.001	<20	1.49	0.02	0.35	<2	<5	<1	<5	1.86	6
1935641	Rock	0.153	5	<1	0.31	60	<0.001	<20	1.01	0.01	0.39	<2	<5	<1	<5	2.32	<5
1935642	Rock	0.153	6	<1	0.81	125	<0.001	<20	1.55	0.02	0.33	<2	<5	<1	<5	1.12	6
1935643	Rock	0.162	6	2	0.31	50	<0.001	<20	1.01	0.02	0.37	<2	<5	1	5	3.10	6
1935644	Rock	0.155	6	<1	0.28	55	<0.001	<20	0.88	0.02	0.36	<2	<5	3	<5	2.91	6
1935645	Rock	0.144	10	10	1.98	104	0.001	<20	1.97	0.02	0.26	<2	<5	<1	8	1.62	11
1935646	Rock	0.161	25	23	1.36	70	0.002	<20	1.95	0.03	0.28	<2	<5	<1	8	<0.05	6
1935647	Rock	0.125	30	<1	0.51	159	0.001	<20	1.19	0.03	0.29	<2	<5	<1	6	<0.05	<5
1935648	Rock	0.119	30	<1	0.54	108	0.001	<20	1.26	0.03	0.29	<2	<5	<1	7	<0.05	<5
1935649	Rock	0.127	13	4	1.30	55	0.001	<20	2.10	0.03	0.32	<2	<5	<1	9	0.07	7
1935650	Rock Pulp	0.056	5	30	0.75	125	0.120	<20	1.50	0.11	0.15	14	<5	<1	<5	0.71	<5
1935651	Rock	0.176	16	18	1.52	297	0.002	<20	2.46	0.03	0.33	<2	<5	<1	10	<0.05	7
1935652	Rock	0.132	11	5	1.31	173	0.001	<20	2.45	0.02	0.32	<2	<5	<1	10	0.11	6
1935653	Rock	0.177	14	<1	1.51	539	0.003	<20	2.51	0.04	0.30	<2	<5	<1	9	<0.05	7
1935654	Rock	0.152	8	1	0.43	87	<0.001	<20	1.21	0.02	0.37	<2	<5	<1	<5	2.92	<5
1935655	Rock	0.153	7	<1	0.32	79	<0.001	<20	0.77	0.02	0.38	<2	<5	<1	<5	2.07	<5
1935656	Rock	0.156	6	<1	0.22	66	<0.001	<20	0.92	0.02	0.35	<2	<5	<1	<5	2.74	5
1935657	Rock	0.161	7	<1	0.30	51	0.001	<20	0.95	0.02	0.37	<2	<5	<1	<5	1.55	<5
1935658	Rock	0.166	7	<1	0.14	169	<0.001	<20	0.73	0.02	0.37	<2	<5	<1	<5	1.42	<5
1935659	Rock	0.151	9	2	1.13	49	0.008	<20	1.76	0.04	0.39	<2	<5	<1	7	1.59	6
1935660	Rock	0.187	11	1	0.82	113	0.002	<20	1.90	0.03	0.33	<2	<5	<1	8	1.08	6
1935661	Rock	0.173	8	2	0.73	121	0.002	<20	1.70	0.03	0.36	<2	<5	<1	7	1.61	6

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	Method	WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1935662	Rock	2.47	0.196	36	620	3	41	<0.3	2	10	610	5.66	7	<2	<2	49	<0.5	<3	<3	75	2.01
1935663	Rock	3.97	0.089	8	139	<3	30	<0.3	1	7	705	4.14	16	<2	<2	61	<0.5	<3	<3	26	2.38
1935664	Rock	3.84	0.082	11	393	4	25	<0.3	<1	5	695	2.45	8	<2	<2	43	<0.5	<3	<3	7	2.39
1935665	Rock	3.24	0.305	67	743	10	51	0.3	8	15	683	4.83	14	<2	<2	55	<0.5	<3	4	52	2.68
1935666	Rock	4.18	<0.005	<1	24	<3	61	<0.3	41	23	900	5.23	<2	<2	<2	66	0.7	<3	<3	92	3.78
1935667	Rock	4.07	<0.005	1	206	<3	54	<0.3	40	14	1123	7.28	<2	<2	<2	55	0.8	<3	<3	92	3.63
1935668	Rock	3.23	0.129	22	602	3	35	<0.3	8	12	930	3.75	12	<2	<2	67	<0.5	<3	<3	43	3.74
1935669	Rock	3.36	0.194	18	384	6	27	<0.3	2	11	608	4.30	10	<2	<2	46	<0.5	<3	<3	39	2.99
1935670	Rock	3.30	0.316	23	443	10	5	0.7	2	10	384	5.23	33	<2	<2	38	<0.5	<3	<3	13	2.55
1935671	Rock	3.56	0.295	60	606	3	3	<0.3	2	15	371	2.78	16	<2	<2	42	<0.5	<3	<3	12	2.30
1935672	Rock	3.92	0.087	17	541	9	25	0.3	38	21	1136	4.38	55	<2	<2	57	<0.5	<3	<3	59	4.31
1935673	Rock	4.26	0.223	40	483	5	3	<0.3	2	14	647	3.83	14	<2	<2	47	<0.5	<3	4	14	3.26
1935674	Rock	1.71	0.072	4	217	<3	35	<0.3	18	18	941	4.71	9	<2	<2	51	<0.5	<3	<3	60	3.65
1935675	Rock	1.98	0.098	3	259	3	34	<0.3	18	18	969	4.93	8	<2	<2	54	<0.5	<3	<3	59	3.86
1935676	Rock	3.55	0.005	1	79	3	67	<0.3	15	19	1156	6.14	3	<2	<2	68	0.6	<3	<3	136	4.01
1935677	Rock	3.49	0.015	<1	39	13	61	<0.3	9	18	1527	4.86	3	<2	<2	92	1.1	<3	3	118	5.09
1935678	Rock	3.69	0.018	7	55	34	50	<0.3	9	18	1454	5.12	13	<2	<2	88	1.0	<3	<3	113	4.67
1935679	Rock	3.39	0.073	11	384	30	47	<0.3	15	18	1472	5.95	13	<2	<2	84	1.1	<3	6	92	4.44
1935680	Rock	3.40	0.181	9	566	15	39	0.3	8	14	1063	4.56	10	<2	<2	65	0.7	<3	6	52	3.70
1935681	Rock	2.69	0.212	9	506	18	34	<0.3	2	8	1073	4.36	7	<2	<2	116	0.5	<3	<3	28	3.38
1935682	Rock	2.69	0.197	25	481	26	21	0.7	2	4	693	3.09	9	<2	2	42	0.5	<3	5	19	2.81
1935683	Rock	2.21	0.400	23	173	25	19	2.6	3	7	814	4.26	34	<2	<2	45	0.7	<3	3	17	2.86
1935684	Rock	4.20	0.365	184	472	21	9	0.5	2	5	639	4.04	10	<2	<2	45	<0.5	<3	4	9	2.95
1935685	Rock	3.63	0.474	126	646	12	13	1.4	2	3	424	6.10	26	<2	<2	24	0.6	<3	5	9	1.58
1935686	Rock	3.39	0.232	34	272	16	10	0.8	3	9	587	4.22	6	<2	<2	35	0.6	<3	<3	14	2.20
1935687	Rock	2.39	0.186	44	326	35	24	<0.3	2	8	727	4.46	4	<2	<2	39	0.5	<3	<3	39	2.87
1935688	Rock	3.02	0.235	72	640	14	35	<0.3	3	9	665	4.68	5	<2	<2	40	0.6	<3	<3	47	2.40
1935689	Rock	2.73	0.236	37	544	28	34	<0.3	3	8	585	5.56	7	<2	<2	38	0.5	<3	9	40	2.03
1935690	Rock	2.20	0.214	34	550	13	61	<0.3	2	5	593	6.11	5	<2	<2	44	0.8	<3	<3	89	1.62
1935691	Rock	2.54	0.869	34	783	14	52	3.4	3	8	557	8.30	14	<2	<2	26	0.6	<3	18	57	0.90

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530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 25, 2012

CERTIFICATE OF ANALYSIS SMI12000069.2

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5
1935662	Rock	0.147	7	1	1.03	81	0.005	<20	1.67	0.04	0.34	<2	<5	<1	8	1.45	6
1935663	Rock	0.119	10	<1	0.56	128	0.002	<20	1.42	0.04	0.32	<2	<5	<1	7	1.01	<5
1935664	Rock	0.104	12	<1	0.39	386	<0.001	<20	1.05	0.03	0.31	<2	<5	<1	<5	0.69	<5
1935665	Rock	0.171	8	7	0.85	80	0.002	<20	1.73	0.03	0.38	<2	<5	<1	8	1.80	5
1935666	Rock	0.221	19	60	2.71	244	0.003	<20	2.81	0.04	0.21	<2	<5	<1	14	<0.05	7
1935667	Rock	0.227	18	57	2.61	108	0.003	<20	3.73	0.02	0.30	<2	<5	<1	13	<0.05	8
1935668	Rock	0.165	8	7	0.72	46	0.001	<20	1.33	0.03	0.35	<2	<5	<1	5	1.64	<5
1935669	Rock	0.157	6	1	0.56	28	0.001	<20	1.16	0.03	0.37	<2	<5	<1	<5	3.11	<5
1935670	Rock	0.149	4	<1	0.09	38	<0.001	<20	0.60	0.02	0.36	<2	<5	<1	<5	5.63	<5
1935671	Rock	0.177	5	<1	0.08	74	<0.001	<20	0.69	0.02	0.43	<2	<5	<1	<5	2.66	<5
1935672	Rock	0.133	8	58	1.40	65	0.001	<20	2.21	0.02	0.31	<2	<5	<1	7	1.32	7
1935673	Rock	0.155	7	<1	0.13	68	<0.001	<20	0.71	0.02	0.42	<2	<5	<1	<5	3.96	<5
1935674	Rock	0.176	11	26	1.46	65	0.002	<20	2.15	0.02	0.30	<2	<5	<1	7	0.89	6
1935675	Rock	0.177	11	25	1.47	70	0.002	<20	2.21	0.03	0.32	<2	<5	<1	7	1.13	6
1935676	Rock	0.140	12	30	2.35	212	0.076	<20	2.99	0.05	0.25	<2	<5	<1	11	<0.05	11
1935677	Rock	0.101	11	23	2.24	257	0.026	<20	2.95	0.04	0.34	<2	<5	<1	11	<0.05	10
1935678	Rock	0.116	10	22	1.99	308	0.002	<20	2.65	0.03	0.25	<2	<5	<1	12	0.62	9
1935679	Rock	0.157	11	15	1.57	154	0.003	<20	2.82	0.03	0.43	<2	<5	<1	12	1.18	8
1935680	Rock	0.151	9	7	0.99	45	0.002	<20	1.77	0.03	0.37	<2	<5	<1	7	2.13	6
1935681	Rock	0.115	6	3	0.71	15	0.001	<20	1.26	0.03	0.36	<2	<5	<1	6	2.97	<5
1935682	Rock	0.125	6	2	0.39	85	0.001	<20	1.02	0.02	0.41	<2	<5	<1	<5	2.10	<5
1935683	Rock	0.119	6	2	0.35	37	<0.001	<20	0.87	0.02	0.37	<2	<5	<1	<5	3.43	<5
1935684	Rock	0.121	6	2	0.15	18	<0.001	<20	0.68	0.02	0.38	<2	<5	<1	<5	3.92	<5
1935685	Rock	0.105	4	2	0.22	24	<0.001	<20	0.65	0.02	0.34	<2	<5	<1	<5	6.03	<5
1935686	Rock	0.141	5	3	0.23	52	0.001	<20	0.86	0.01	0.43	<2	<5	<1	<5	3.76	<5
1935687	Rock	0.160	6	2	0.66	71	0.002	<20	1.40	0.02	0.42	<2	<5	<1	5	2.75	<5
1935688	Rock	0.167	5	3	0.78	22	0.002	<20	1.46	0.03	0.40	<2	<5	<1	5	2.81	<5
1935689	Rock	0.168	5	2	0.72	12	0.002	<20	1.37	0.03	0.40	<2	<5	<1	<5	3.96	<5
1935690	Rock	0.155	5	3	1.26	30	0.004	<20	1.84	0.04	0.34	<2	<5	<1	7	1.83	6
1935691	Rock	0.152	4	1	0.96	6	0.002	<20	1.47	0.03	0.37	<2	<5	3	<5	6.44	<5

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CERTIFICATE OF ANALYSIS SMI12000069.2

Method		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1935692	Rock	2.69	0.772	15	435	16	8	3.5	2	6	48	8.95	19	<2	<2	37	<0.5	<3	16	10	0.25
1935693	Rock	4.12	1.278	16	3366	31	16	3.6	2	4	286	11.55	16	<2	<2	24	0.8	<3	19	21	1.08
1935694	Rock	2.62	<0.005	37	358	22	55	0.3	2	9	499	5.03	8	<2	<2	42	0.6	<3	4	63	1.52
1935695	Rock	2.80	0.166	56	394	24	61	<0.3	3	12	421	6.02	5	<2	<2	32	0.6	<3	<3	79	1.11
1935696	Rock	3.43	0.137	52	294	22	51	<0.3	3	6	536	5.51	3	<2	<2	44	0.6	<3	<3	62	1.52
1935697	Rock	2.39	0.337	31	769	26	30	1.2	3	8	512	7.00	10	<2	<2	34	<0.5	<3	<3	28	1.85
1935698	Rock	2.59	0.371	15	328	13	49	0.5	2	8	591	5.54	7	<2	<2	27	0.7	<3	5	37	1.45
1935699	Rock	3.15	0.824	37	251	19	39	2.4	3	8	382	7.31	16	<2	<2	22	<0.5	<3	3	32	0.99
1935700	Rock Pulp	0.08	0.861	201	>10000	20	47	1.4	27	12	573	4.06	3	2	<2	79	0.6	<3	<3	57	1.11
1935701	Rock	5.92	0.324	13	367	8	56	<0.3	2	8	668	4.28	4	<2	<2	32	0.5	<3	3	56	1.61
1935702	Rock	3.70	0.400	10	340	37	62	0.5	16	21	916	7.87	13	<2	<2	32	0.8	<3	5	51	2.57
1935703	Rock	3.69	<0.005	<1	19	9	72	<0.3	47	25	1261	4.78	<2	<2	<2	98	0.8	<3	<3	121	4.77
1935704	Rock	4.01	0.311	14	120	28	25	1.9	10	14	475	14.97	52	<2	<2	32	<0.5	<3	5	27	2.19
1935705	Rock	2.88	0.307	21	531	23	29	0.4	2	5	428	3.69	3	<2	<2	22	<0.5	<3	<3	25	1.26
1935706	Rock	3.26	0.456	21	746	<3	31	1.5	2	14	522	6.22	13	<2	<2	27	<0.5	<3	4	24	1.87
1935707	Rock	3.59	0.221	14	474	21	30	1.4	4	15	515	5.95	14	<2	<2	45	<0.5	<3	3	36	2.34
1935708	Rock	3.62	0.280	15	820	39	28	2.1	3	8	335	5.66	9	<2	<2	99	<0.5	<3	4	22	1.45
1935709	Rock	4.34	0.339	24	294	35	16	0.7	2	10	151	6.22	12	<2	<2	313	<0.5	<3	5	12	3.53
1935710	Rock	4.25	0.264	34	444	18	45	0.4	2	15	335	5.16	12	<2	<2	210	<0.5	<3	<3	41	2.83
1935711	Rock	3.43	0.144	3	101	9	70	<0.3	34	24	1101	5.97	6	<2	<2	116	0.5	<3	<3	84	3.66
1935712	Rock	3.86	0.006	<1	21	7	85	<0.3	47	24	1211	5.02	2	<2	<2	104	0.7	<3	<3	118	3.95
1935713	Rock	4.22	0.218	7	500	3	60	0.3	16	13	689	5.09	9	<2	<2	211	0.6	<3	<3	83	3.03
1935714	Rock	4.12	0.183	17	379	5	39	0.4	4	17	593	4.22	18	<2	2	224	<0.5	<3	<3	21	3.70
1935715	Rock	3.90	0.269	24	627	5	32	0.7	3	18	406	5.26	18	<2	2	250	<0.5	<3	<3	19	2.81
1935716	Rock	4.26	0.457	21	550	<3	25	1.2	2	12	393	5.81	14	<2	2	252	<0.5	<3	4	20	2.93
1935717	Rock	4.22	0.265	21	606	<3	38	0.6	2	12	595	5.29	12	<2	2	254	<0.5	<3	<3	24	3.16
1935718	Rock	4.44	0.383	10	305	6	15	1.5	2	14	336	7.32	30	<2	3	228	<0.5	<3	<3	11	2.58
1935719	Rock	4.44	0.196	15	374	8	25	0.3	4	14	342	5.78	13	<2	2	215	<0.5	<3	<3	15	2.82
1935720	Rock	4.07	0.054	2	73	6	108	0.5	5	21	2197	5.34	32	<2	<2	114	0.6	<3	5	66	3.19
1935721	Rock	4.21	0.022	<1	45	6	95	0.4	4	20	1790	5.00	29	<2	<2	94	0.5	<3	<3	61	2.95

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Project: None Given
Report Date: July 25, 2012

CERTIFICATE OF ANALYSIS SMI12000069.2

Method		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5
1935692	Rock	0.122	2	<1	0.11	5	<0.001	<20	0.47	0.02	0.31	<2	<5	3	<5	9.01	<5
1935693	Rock	0.150	3	<1	0.27	3	0.002	<20	0.77	0.02	0.37	<2	<5	<1	<5	>10	<5
1935694	Rock	0.168	5	3	1.11	14	0.004	<20	1.52	0.03	0.33	<2	<5	<1	7	3.13	<5
1935695	Rock	0.167	5	4	1.20	11	0.011	<20	1.58	0.04	0.36	<2	<5	<1	6	3.81	6
1935696	Rock	0.167	5	3	1.03	21	0.003	<20	1.56	0.03	0.35	<2	<5	<1	7	2.63	<5
1935697	Rock	0.162	4	2	0.65	7	0.002	<20	1.20	0.02	0.40	<2	<5	<1	<5	6.34	<5
1935698	Rock	0.164	5	3	0.93	13	0.002	<20	1.56	0.02	0.39	<2	<5	<1	<5	3.75	<5
1935699	Rock	0.168	4	1	0.70	8	0.002	<20	1.28	0.02	0.41	<2	<5	3	<5	6.03	<5
1935700	Rock Pulp	0.065	9	33	0.77	121	0.104	<20	1.54	0.12	0.22	6	<5	<1	<5	1.32	6
1935701	Rock	0.165	6	3	1.07	61	0.002	<20	1.77	0.02	0.39	<2	<5	<1	6	1.64	<5
1935702	Rock	0.127	5	28	1.29	25	0.008	<20	2.17	0.01	0.34	<2	<5	<1	6	5.17	<5
1935703	Rock	0.081	5	110	2.92	76	0.155	<20	3.49	0.11	0.25	<2	<5	<1	7	0.10	11
1935704	Rock	0.115	4	12	0.60	7	0.002	<20	1.06	0.02	0.26	<2	<5	<1	<5	>10	<5
1935705	Rock	0.168	8	2	0.60	98	0.003	<20	1.35	0.01	0.42	<2	<5	<1	<5	2.24	<5
1935706	Rock	0.156	5	2	0.66	17	0.003	<20	1.43	0.02	0.45	<2	<5	<1	5	5.14	<5
1935707	Rock	0.163	7	5	0.79	14	0.002	<20	1.41	0.02	0.34	<2	<5	<1	7	4.67	<5
1935708	Rock	0.154	4	2	0.56	8	0.001	<20	1.09	0.02	0.40	<2	<5	<1	<5	5.36	<5
1935709	Rock	0.124	3	2	0.30	7	0.001	<20	0.62	0.01	0.27	<2	<5	<1	<5	8.67	<5
1935710	Rock	0.147	4	4	0.83	9	0.003	<20	1.34	0.02	0.31	<2	<5	<1	6	5.32	<5
1935711	Rock	0.161	10	38	2.12	46	0.005	<20	2.34	0.05	0.26	<2	<5	<1	11	2.39	7
1935712	Rock	0.142	12	58	2.68	301	0.017	<20	2.97	0.09	0.18	<2	<5	<1	11	0.13	9
1935713	Rock	0.135	7	21	1.61	55	0.005	<20	1.99	0.04	0.26	<2	<5	<1	8	2.49	6
1935714	Rock	0.102	4	5	0.66	23	<0.001	<20	1.04	0.03	0.29	<2	<5	<1	<5	4.60	<5
1935715	Rock	0.100	4	4	0.52	20	<0.001	<20	0.90	0.02	0.29	<2	<5	<1	<5	5.84	<5
1935716	Rock	0.103	4	2	0.40	19	0.001	<20	0.76	0.02	0.29	<2	<5	<1	<5	6.70	<5
1935717	Rock	0.109	5	3	0.72	18	<0.001	<20	1.05	0.02	0.29	<2	<5	<1	<5	5.53	<5
1935718	Rock	0.105	3	2	0.30	12	<0.001	<20	0.65	0.02	0.29	<2	<5	1	<5	8.28	<5
1935719	Rock	0.114	4	4	0.54	20	<0.001	<20	0.88	0.02	0.30	<2	<5	<1	<5	6.80	<5
1935720	Rock	0.123	4	3	1.48	86	0.001	<20	1.94	0.02	0.28	<2	<5	<1	6	4.08	9
1935721	Rock	0.122	4	3	1.76	73	<0.001	<20	2.23	0.02	0.26	<2	<5	<1	7	2.95	7

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	Method	WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1935722	Rock	4.65	0.023	<1	52	<3	49	0.9	4	16	1263	4.36	22	<2	<2	171	<0.5	<3	<3	25	3.07
1935723	Rock	1.69	0.016	<1	56	5	49	<0.3	5	19	1300	5.10	28	<2	<2	201	<0.5	<3	<3	31	3.76
1935724	Rock	2.52	0.058	18	79	6	23	<0.3	2	14	1337	4.31	25	<2	<2	46	<0.5	<3	<3	16	3.86
1935725	Rock	0.73	<0.005	<1	<1	<3	<1	<0.3	<1	<1	26	0.12	<2	<2	<2	5428	<0.5	<3	<3	2	34.47
1935726	Rock	3.63	0.162	10	345	<3	45	0.9	<1	15	2095	4.27	58	<2	<2	66	<0.5	<3	<3	29	4.94
1935727	Rock	2.59	0.109	7	1528	12	26	1.8	2	19	788	3.76	50	<2	<2	40	<0.5	<3	<3	17	1.93

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	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5
1935722	Rock	0.112	4	3	0.79	21	<0.001	<20	1.16	0.02	0.30	<2	<5	<1	<5	4.26	<5
1935723	Rock	0.123	5	2	0.96	20	<0.001	<20	1.40	0.02	0.27	<2	<5	<1	<5	4.58	<5
1935724	Rock	0.143	7	2	0.25	47	<0.001	<20	0.80	0.01	0.38	<2	<5	<1	<5	3.99	<5
1935725	Rock	0.005	<1	<1	1.87	10	0.004	<20	0.22	0.01	0.01	<2	<5	<1	<5	0.16	<5
1935726	Rock	0.133	8	3	0.61	26	<0.001	<20	1.14	0.02	0.37	<2	<5	<1	<5	3.19	<5
1935727	Rock	0.164	5	3	0.36	27	<0.001	<20	1.00	0.01	0.42	<2	<5	1	<5	2.78	<5

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530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 25, 2012

QUALITY CONTROL REPORT SMI12000069.2

Method		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
Pulp Duplicates																					
1936652	Rock	1.32	0.013	<1	85	<3	56	<0.3	3	14	1251	4.16	4	<2	<2	15	<0.5	<3	<3	47	0.92
REP 1936652	QC		0.013																		
1935595	Rock	3.23	0.075	27	451	<3	80	0.4	2	7	1302	4.13	3	<2	3	39	<0.5	<3	<3	62	2.70
REP 1935595	QC			27	456	<3	80	0.4	2	7	1314	4.16	3	<2	3	39	<0.5	<3	<3	62	2.71
1935609	Rock	3.77	0.299	4	1038	<3	59	1.5	<1	8	1651	3.82	13	<2	3	55	1.3	<3	5	26	3.81
REP 1935609	QC		0.282																		
1935630	Rock	3.14	0.038	29	247	<3	110	<0.3	4	13	1563	4.32	7	<2	3	42	1.0	<3	<3	56	3.22
REP 1935630	QC			28	242	<3	107	<0.3	4	13	1502	4.25	5	<2	2	42	0.8	<3	<3	55	3.20
1935643	Rock	4.15	0.135	3	193	8	15	1.0	2	12	978	4.05	38	<2	<2	55	<0.5	<3	3	20	3.87
REP 1935643	QC		0.151																		
1935665	Rock	3.24	0.305	67	743	10	51	0.3	8	15	683	4.83	14	<2	<2	55	<0.5	<3	4	52	2.68
REP 1935665	QC			67	749	11	50	<0.3	7	15	688	4.87	15	<2	<2	56	<0.5	<3	<3	52	2.69
1935683	Rock	2.21	0.400	23	173	25	19	2.6	3	7	814	4.26	34	<2	<2	45	0.7	<3	3	17	2.86
REP 1935683	QC		0.393																		
1935686	Rock	3.39	0.232	34	272	16	10	0.8	3	9	587	4.22	6	<2	<2	35	0.6	<3	<3	14	2.20
REP 1935686	QC			33	271	29	10	0.8	3	9	586	4.23	6	<2	<2	34	<0.5	<3	<3	14	2.20
1935712	Rock	3.86	0.006	<1	21	7	85	<0.3	47	24	1211	5.02	2	<2	<2	104	0.7	<3	<3	118	3.95
REP 1935712	QC		<0.005																		
1935719	Rock	4.44	0.196	15	374	8	25	0.3	4	14	342	5.78	13	<2	2	215	<0.5	<3	<3	15	2.82
REP 1935719	QC			14	384	9	26	0.3	4	13	346	5.84	12	<2	2	222	<0.5	<3	<3	15	2.86
Core Reject Duplicates																					
1936655	Rock	1.12	<0.005	<1	37	<3	136	<0.3	8	17	1825	4.73	<2	<2	<2	45	<0.5	<3	<3	115	1.31
DUP 1936655	QC	<0.01	<0.005	<1	38	<3	138	<0.3	7	17	1841	4.72	<2	<2	<2	46	<0.5	<3	<3	116	1.31
1935612	Rock	1.98	0.085	12	936	<3	143	0.4	2	9	1306	4.29	<2	<2	2	24	1.2	<3	<3	99	1.40
DUP 1935612	QC	<0.01	0.084	13	918	<3	146	<0.3	3	9	1306	4.36	<2	<2	3	24	1.3	<3	<3	102	1.47
1935646	Rock	4.46	0.005	2	119	<3	45	<0.3	14	9	1048	3.72	4	<2	<2	60	<0.5	<3	<3	48	3.55
DUP 1935646	QC	<0.01	<0.005	2	112	4	46	<0.3	14	9	1069	3.75	3	<2	<2	60	<0.5	<3	<3	50	3.60
1935680	Rock	3.40	0.181	9	566	15	39	0.3	8	14	1063	4.56	10	<2	<2	65	0.7	<3	6	52	3.70

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QUALITY CONTROL REPORT SMI12000069.2

Method		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5
Pulp Duplicates																	
1936652	Rock	0.120	5	4	1.02	104	0.002	<20	1.44	0.03	0.33	<2	<5	<1	<5	1.88	<5
REP 1936652	QC																
1935595	Rock	0.121	11	3	0.98	426	0.002	<20	1.67	0.04	0.39	<2	<5	<1	6	0.42	<5
REP 1935595	QC	0.120	11	3	0.99	428	0.002	30	1.68	0.05	0.39	<2	<5	<1	6	0.42	<5
1935609	Rock	0.115	7	2	0.73	58	<0.001	<20	1.50	0.02	0.35	<2	<5	<1	<5	1.40	<5
REP 1935609	QC																
1935630	Rock	0.146	6	4	1.43	170	0.001	<20	1.80	0.04	0.29	<2	<5	2	<5	1.05	6
REP 1935630	QC	0.144	6	4	1.41	179	0.001	<20	1.71	0.04	0.29	<2	<5	2	<5	1.04	6
1935643	Rock	0.162	6	2	0.31	50	<0.001	<20	1.01	0.02	0.37	<2	<5	1	5	3.10	6
REP 1935643	QC																
1935665	Rock	0.171	8	7	0.85	80	0.002	<20	1.73	0.03	0.38	<2	<5	<1	8	1.80	5
REP 1935665	QC	0.170	8	8	0.83	67	0.002	<20	1.75	0.03	0.37	<2	<5	<1	7	1.80	5
1935683	Rock	0.119	6	2	0.35	37	<0.001	<20	0.87	0.02	0.37	<2	<5	<1	<5	3.43	<5
REP 1935683	QC																
1935686	Rock	0.141	5	3	0.23	52	0.001	<20	0.86	0.01	0.43	<2	<5	<1	<5	3.76	<5
REP 1935686	QC	0.144	5	2	0.24	52	0.001	<20	0.86	0.02	0.44	<2	<5	<1	<5	3.74	<5
1935712	Rock	0.142	12	58	2.68	301	0.017	<20	2.97	0.09	0.18	<2	<5	<1	11	0.13	9
REP 1935712	QC																
1935719	Rock	0.114	4	4	0.54	20	<0.001	<20	0.88	0.02	0.30	<2	<5	<1	<5	6.80	<5
REP 1935719	QC	0.115	4	4	0.54	19	0.001	<20	0.91	0.02	0.31	<2	<5	<1	<5	6.95	<5
Core Reject Duplicates																	
1936655	Rock	0.116	4	13	1.74	347	0.135	<20	2.18	0.04	0.21	<2	<5	<1	7	<0.05	9
DUP 1936655	QC	0.119	4	13	1.76	345	0.132	<20	2.21	0.04	0.20	<2	<5	<1	8	<0.05	9
1935612	Rock	0.154	11	4	1.48	199	0.048	<20	1.91	0.06	0.19	<2	<5	<1	<5	0.29	9
DUP 1935612	QC	0.156	11	3	1.45	208	0.049	<20	1.95	0.07	0.21	<2	<5	<1	<5	0.25	10
1935646	Rock	0.161	25	23	1.36	70	0.002	<20	1.95	0.03	0.28	<2	<5	<1	8	<0.05	6
DUP 1935646	QC	0.162	25	25	1.39	72	0.002	<20	2.02	0.04	0.30	<2	<5	<1	10	<0.05	6
1935680	Rock	0.151	9	7	0.99	45	0.002	<20	1.77	0.03	0.37	<2	<5	<1	7	2.13	6

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QUALITY CONTROL REPORT SMI12000069.2

		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
DUP 1935680	QC	<0.01	0.174	10	552	18	39	<0.3	8	13	1047	4.45	9	<2	<2	64	0.7	<3	5	52	3.62
1935714	Rock	4.12	0.183	17	379	5	39	0.4	4	17	593	4.22	18	<2	2	224	<0.5	<3	<3	21	3.70
DUP 1935714	QC	<0.01	0.190	16	387	10	38	0.4	3	18	585	4.25	18	<2	3	228	<0.5	<3	<3	20	3.74
Reference Materials																					
STD DS9	Standard			13	110	124	339	1.6	40	8	598	2.44	30	<2	6	75	2.5	5	6	41	0.75
STD DS9	Standard			12	105	131	328	1.7	43	8	584	2.35	27	2	7	71	2.6	5	5	42	0.71
STD DS9	Standard			12	103	126	333	2.0	42	7	598	2.36	24	<2	6	72	2.3	5	5	39	0.74
STD DS9	Standard			14	108	131	333	1.6	43	8	587	2.45	27	<2	5	70	2.6	4	6	43	0.73
STD DS9	Standard			13	113	133	346	2.0	46	6	646	2.54	26	<2	5	80	2.8	<3	11	45	0.80
STD OREAS45CA	Standard			2	535	21	63	<0.3	261	95	958	17.79	4	<2	6	16	<0.5	<3	<3	221	0.45
STD OREAS45CA	Standard			1	503	22	60	<0.3	253	100	958	16.70	4	<2	8	14	<0.5	<3	<3	226	0.45
STD OREAS45CA	Standard			<1	509	16	59	0.4	247	90	985	15.83	<2	<2	7	15	1.6	<3	<3	205	0.45
STD OREAS45CA	Standard			1	519	27	62	<0.3	265	98	969	17.20	<2	<2	4	16	<0.5	<3	<3	224	0.47
STD OREAS45CA	Standard			<1	547	45	66	<0.3	270	104	1008	17.19	<2	<2	6	17	0.9	<3	<3	230	0.48
STD OXG99	Standard		0.972																		
STD OXG99	Standard		0.963																		
STD OXG99	Standard		0.954																		
STD OXG99	Standard		0.984																		
STD OXG99	Standard		0.961																		
STD OXG99	Standard		0.939																		
STD OXK94	Standard		3.382																		
STD OXK94	Standard		3.472																		
STD OXK94	Standard		3.662																		
STD OXK94	Standard		3.697																		
STD OXK94	Standard		3.278																		
STD OXK94	Standard		3.702																		
STD OXK94	Standard		3.578																		
STD OXK94 Expected			3.562																		
STD OXG99 Expected			0.932																		

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		1D P % 0.001	1D La ppm 1	1D Cr ppm 1	1D Mg % 0.01	1D Ba ppm 1	1D Ti % 0.001	1D B ppm 20	1D Al % 0.01	1D Na % 0.01	1D K % 0.01	1D W ppm 2	1D Tl ppm 5	1D Hg ppm 1	Ga ppm 5	S % 0.05	1D Sc ppm 5
DUP 1935680	QC	0.149	9	7	0.99	50	0.002	<20	1.83	0.03	0.40	<2	<5	<1	7	2.01	6
1935714	Rock	0.102	4	5	0.66	23	<0.001	<20	1.04	0.03	0.29	<2	<5	<1	<5	4.60	<5
DUP 1935714	QC	0.103	4	4	0.65	18	<0.001	<20	1.05	0.02	0.28	<2	<5	<1	<5	4.71	<5
Reference Materials																	
STD DS9	Standard	0.084	13	121	0.64	339	0.112	34	0.98	0.10	0.41	3	<5	<1	<5	0.17	<5
STD DS9	Standard	0.085	12	123	0.62	325	0.103	<20	0.95	0.09	0.41	2	<5	<1	8	0.17	<5
STD DS9	Standard	0.087	11	117	0.65	341	0.106	<20	0.97	0.09	0.41	5	<5	<1	6	0.17	<5
STD DS9	Standard	0.088	12	127	0.67	339	0.109	<20	0.97	0.09	0.41	3	<5	<1	<5	0.18	<5
STD DS9	Standard	0.092	14	131	0.70	349	0.122	<20	1.06	0.10	0.43	3	<5	<1	<5	0.18	<5
STD OREAS45CA	Standard	0.040	17	774	0.14	170	0.140	30	3.88	0.02	0.08	<2	<5	<1	14	<0.05	49
STD OREAS45CA	Standard	0.040	17	749	0.14	167	0.136	<20	3.72	0.01	0.08	<2	<5	<1	22	<0.05	47
STD OREAS45CA	Standard	0.040	15	731	0.13	170	0.128	<20	3.56	0.01	0.07	<2	<5	<1	19	<0.05	46
STD OREAS45CA	Standard	0.043	18	789	0.14	176	0.141	<20	3.95	0.02	0.08	<2	<5	<1	15	<0.05	49
STD OREAS45CA	Standard	0.044	18	791	0.15	176	0.147	<20	3.92	0.02	0.08	<2	<5	<1	8	<0.05	51
STD OXG99	Standard																
STD OXG99	Standard																
STD OXG99	Standard																
STD OXG99	Standard																
STD OXG99	Standard																
STD OXG99	Standard																
STD OXK94	Standard																
STD OXK94	Standard																
STD OXK94	Standard																
STD OXK94	Standard																
STD OXK94	Standard																
STD OXK94	Standard																
STD OXK94	Standard																
STD OXK94 Expected																	
STD OXG99 Expected																	

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		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
STD DS9 Expected				12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	0.118	6.38	69.6	2.4	4.94	6.32	40	0.7201
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	0.043	7	15	0.1	0.13	0.19	215	0.4265
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
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BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
Prep Wash																					
G1-SMI	Prep Blank	<0.01	<0.005	<1	1	<3	47	<0.3	3	4	581	2.09	<2	<2	7	72	<0.5	<3	<3	40	0.55
G1-SMI	Prep Blank	<0.01	<0.005	<1	1	<3	48	<0.3	3	4	580	2.06	<2	<2	7	67	<0.5	<3	<3	40	0.54

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		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5
STD DS9 Expected		0.0819	13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	5.3	0.2	4.59	0.1615	2.5
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.07	0.03		0.021	
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank																
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BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<5	<1	<5	<0.05	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<5	<1	<5	<0.05	<5
BLK	Blank																
BLK	Blank																
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<5	<1	<5	<0.05	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<5	<1	<5	<0.05	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<5	<1	<5	<0.05	<5
Prep Wash																	
G1-SMI	Prep Blank	0.078	15	10	0.53	188	0.138	27	1.03	0.13	0.54	<2	<5	<1	5	<0.05	<5
G1-SMI	Prep Blank	0.079	13	11	0.55	192	0.138	20	1.01	0.12	0.55	<2	<5	<1	<5	<0.05	<5

AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **West Cirque Resources**
530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Submitted By:	John Bradford
Receiving Lab:	Canada-Smithers
Received:	July 06, 2012
Report Date:	July 24, 2012
Page:	1 of 7

CERTIFICATE OF ANALYSIS SMI12000070.1

CLIENT JOB INFORMATION

Project:	None Given
Shipment ID:	
P.O. Number	
Number of Samples:	153

SAMPLE DISPOSAL

STOR-PLP	Store After 90 days Invoice for Storage
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	150	Crush, split and pulverize 250 g rock to 200 mesh			SMI
G601	153	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
1D01	153	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: West Cirque Resources
530 - 510 Burrard Street
Vancouver BC V6C 3A8
Canada

CC: Nigel Luckman

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Client: **West Cirque Resources**
530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 24, 2012

CERTIFICATE OF ANALYSIS SMI12000070.1

	Method	WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
G1-SMI	Prep Blank	<0.01	<0.005	<1	3	<3	50	<0.3	4	2	623	2.18	<2	<2	6	61	<0.5	<3	<3	45	0.56
G1-SMI	Prep Blank	<0.01	<0.005	<1	3	<3	49	<0.3	3	2	587	2.13	<2	<2	4	68	<0.5	<3	<3	44	0.60
1936722	Rock	1.21	0.032	3	21	4	70	<0.3	3	61	495	7.43	9	<2	<2	69	<0.5	<3	<3	71	0.36
1936723	Rock	0.94	0.014	13	53	<3	26	<0.3	2	11	244	4.98	<2	<2	<2	28	<0.5	<3	3	81	0.25
1936724	Rock	1.04	0.025	2	5	<3	16	<0.3	1	5	342	2.20	141	<2	<2	253	<0.5	<3	<3	34	2.81
1936725	Rock	1.02	0.033	<1	3542	<3	62	7.4	8	13	882	2.80	<2	<2	<2	128	<0.5	<3	<3	80	1.54
1936726	Rock	1.51	0.093	2	200	<3	35	<0.3	4	14	351	5.39	5	<2	<2	66	<0.5	<3	<3	199	1.19
1936727	Rock	0.95	0.027	<1	216	3	32	<0.3	5	8	366	5.41	<2	<2	<2	236	<0.5	<3	3	169	1.37
1936728	Rock	0.90	0.044	36	305	5	25	<0.3	3	16	292	5.36	<2	<2	<2	52	<0.5	<3	<3	118	0.84
1935728	Rock	2.69	0.045	19	59	5	91	<0.3	20	15	1398	4.72	13	<2	<2	42	<0.5	<3	5	70	3.10
1935729	Rock	1.30	0.084	6	131	<3	88	<0.3	3	8	1249	3.81	6	<2	<2	34	<0.5	<3	<3	75	2.23
1935730	Rock	2.50	0.048	5	96	<3	88	<0.3	2	8	1214	3.57	5	<2	<2	35	<0.5	<3	4	54	2.06
1935731	Rock	2.95	0.045	7	78	<3	91	<0.3	2	10	1162	3.71	5	<2	<2	31	<0.5	<3	<3	50	2.15
1935732	Rock	2.94	0.118	20	8	<3	78	0.4	3	6	1035	6.46	16	<2	<2	22	<0.5	<3	4	46	1.54
1935733	Rock	2.93	0.064	9	638	<3	80	<0.3	2	7	1104	3.36	3	<2	<2	42	<0.5	<3	<3	53	2.21
1935734	Rock	2.87	0.104	11	138	<3	74	<0.3	2	4	986	3.30	<2	<2	<2	34	<0.5	<3	<3	60	2.17
1935735	Rock	2.83	0.132	8	96	<3	66	<0.3	2	7	961	3.03	2	<2	<2	31	<0.5	<3	<3	44	2.40
1935736	Rock	3.17	0.359	15	110	<3	66	0.9	2	8	900	2.87	2	<2	<2	31	<0.5	<3	<3	44	2.18
1935737	Rock	3.29	0.116	8	189	<3	81	<0.3	2	9	932	2.80	3	<2	<2	27	<0.5	<3	<3	53	1.63
1935738	Rock	3.79	0.121	14	182	<3	74	0.9	2	9	1012	3.42	2	<2	<2	38	<0.5	<3	5	46	2.40
1935739	Rock	2.32	0.068	9	102	<3	76	<0.3	2	9	979	3.05	<2	<2	3	30	<0.5	<3	3	47	2.17
1935740	Rock	3.07	0.028	8	59	<3	98	<0.3	2	10	1077	3.41	<2	<2	<2	31	<0.5	<3	<3	53	2.00
1935741	Rock	1.18	0.049	8	84	<3	77	<0.3	2	6	915	3.00	2	<2	<2	22	<0.5	<3	<3	43	1.70
1935742	Rock	2.40	0.443	15	33	<3	38	<0.3	2	16	746	3.18	4	<2	<2	37	<0.5	<3	<3	28	2.98
1935743	Rock	2.89	0.554	7	32	<3	37	<0.3	2	11	709	2.84	3	<2	<2	40	<0.5	<3	<3	27	3.10
1935744	Rock	3.97	0.136	9	13	<3	51	<0.3	2	8	875	3.10	4	<2	<2	39	<0.5	<3	<3	44	3.01
1935745	Rock	1.83	0.046	10	30	<3	57	<0.3	2	6	760	2.55	<2	<2	<2	36	<0.5	<3	3	43	2.51
1935746	Rock	2.97	0.098	22	61	<3	69	<0.3	2	6	690	3.28	2	<2	<2	33	<0.5	<3	<3	52	1.86
1935747	Rock	3.06	0.187	13	23	<3	7	<0.3	2	8	700	3.29	3	<2	<2	50	<0.5	<3	<3	8	3.54
1935748	Rock	3.86	0.120	9	391	<3	4	<0.3	1	7	731	1.36	12	<2	<2	48	<0.5	<3	<3	7	3.35

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Client: West Cirque Resources
530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 24, 2012

CERTIFICATE OF ANALYSIS SMI12000070.1

Method		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5
G1-SMI	Prep Blank	0.090	13	12	0.63	205	0.143	<20	1.05	0.12	0.57	<2	<5	<1	<5	<0.05	<5
G1-SMI	Prep Blank	0.087	15	13	0.60	187	0.142	<20	1.09	0.14	0.56	<2	<5	<1	<5	<0.05	<5
1936722	Rock	0.113	1	2	1.05	44	0.090	<20	1.47	0.04	0.19	<2	<5	<1	<5	4.66	<5
1936723	Rock	0.151	3	9	1.35	83	0.016	<20	1.49	0.06	0.26	<2	<5	<1	<5	1.86	5
1936724	Rock	0.053	3	2	0.36	91	0.054	<20	4.76	<0.01	0.14	<2	<5	<1	<5	<0.05	<5
1936725	Rock	0.140	3	7	1.75	10	0.170	<20	2.49	0.04	0.02	<2	<5	<1	<5	0.07	6
1936726	Rock	0.138	3	3	2.37	63	0.129	<20	3.20	0.14	0.17	<2	<5	<1	<5	2.59	24
1936727	Rock	0.149	4	5	2.40	100	0.142	<20	3.63	0.23	0.20	<2	<5	<1	<5	2.61	19
1936728	Rock	0.116	3	3	1.51	70	0.110	<20	2.04	0.16	0.25	<2	<5	<1	<5	3.52	11
1935728	Rock	0.145	9	43	1.83	245	0.002	<20	2.46	0.03	0.32	<2	<5	<1	7	0.95	5
1935729	Rock	0.145	8	5	1.24	360	0.002	<20	1.93	0.04	0.34	<2	<5	<1	6	0.53	<5
1935730	Rock	0.121	9	4	1.08	129	0.002	<20	1.72	0.05	0.34	<2	<5	<1	6	1.04	<5
1935731	Rock	0.121	11	4	1.08	172	0.002	<20	1.72	0.04	0.34	<2	<5	<1	<5	1.33	<5
1935732	Rock	0.114	7	3	0.91	28	0.002	<20	1.55	0.05	0.33	<2	<5	<1	<5	5.29	<5
1935733	Rock	0.117	11	3	0.97	371	0.002	<20	1.65	0.05	0.34	<2	<5	<1	<5	0.65	<5
1935734	Rock	0.118	11	4	0.95	553	0.002	<20	1.52	0.07	0.31	<2	<5	<1	<5	0.13	<5
1935735	Rock	0.120	10	3	0.90	190	0.005	<20	1.43	0.05	0.31	<2	<5	<1	<5	1.10	<5
1935736	Rock	0.117	10	4	0.88	244	0.002	<20	1.47	0.05	0.34	<2	<5	<1	<5	0.90	<5
1935737	Rock	0.118	8	3	0.96	382	0.015	<20	1.50	0.06	0.30	<2	<5	<1	<5	0.59	<5
1935738	Rock	0.117	8	3	0.90	228	0.002	<20	1.55	0.05	0.38	<2	<5	<1	<5	0.86	<5
1935739	Rock	0.116	7	3	0.96	250	0.002	<20	1.56	0.05	0.33	<2	<5	<1	<5	0.66	<5
1935740	Rock	0.120	10	3	1.19	262	0.003	<20	1.88	0.06	0.32	<2	<5	<1	6	0.55	<5
1935741	Rock	0.119	8	3	1.03	93	0.002	<20	1.64	0.05	0.33	<2	<5	<1	6	0.48	<5
1935742	Rock	0.113	7	2	0.61	64	<0.001	<20	1.07	0.03	0.34	<2	<5	<1	<5	2.59	<5
1935743	Rock	0.119	7	<1	0.54	113	<0.001	<20	1.09	0.04	0.36	<2	<5	<1	<5	1.91	<5
1935744	Rock	0.118	9	3	0.82	104	<0.001	<20	1.32	0.04	0.36	<2	<5	<1	<5	1.53	<5
1935745	Rock	0.113	18	3	0.86	80	0.006	<20	1.24	0.05	0.30	<2	<5	<1	<5	1.35	<5
1935746	Rock	0.112	13	3	0.87	37	0.027	<20	1.30	0.06	0.29	<2	<5	<1	<5	1.77	<5
1935747	Rock	0.120	7	2	0.08	21	<0.001	<20	0.56	0.02	0.37	<2	<5	<1	<5	3.63	<5
1935748	Rock	0.115	10	2	0.08	170	<0.001	<20	0.60	0.02	0.40	<2	<5	<1	<5	1.23	<5

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Project: None Given
Report Date: July 24, 2012

CERTIFICATE OF ANALYSIS SMI12000070.1

Method		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1935749	Rock	3.74	0.107	8	123	<3	29	<0.3	1	6	876	1.94	12	<2	<2	47	<0.5	<3	<3	20	2.87
1935750	Rock Pulp	0.08	0.813	421	>10000	8	71	4.3	35	10	454	2.93	15	<2	<2	39	0.5	<3	<3	54	0.78
1935751	Rock	3.40	0.102	7	76	<3	59	<0.3	2	8	1039	2.86	3	<2	<2	49	<0.5	<3	<3	36	3.61
1935752	Rock	3.94	0.175	6	139	4	11	<0.3	2	13	1043	3.22	6	<2	<2	57	<0.5	<3	<3	10	4.48
1935753	Rock	3.91	0.079	6	96	4	21	<0.3	2	11	680	4.32	<2	<2	<2	53	<0.5	<3	3	15	3.83
1935754	Rock	4.13	0.078	4	133	7	41	<0.3	2	12	846	3.56	8	<2	<2	56	0.5	<3	<3	35	4.05
1935755	Rock	4.15	0.085	3	139	10	95	<0.3	2	14	861	4.55	6	<2	<2	28	0.8	<3	<3	80	1.81
1935756	Rock	1.88	0.049	20	48	10	74	<0.3	2	15	549	4.94	3	<2	<2	25	0.6	<3	3	65	1.52
1935757	Rock	2.80	0.063	3	111	4	61	<0.3	2	10	713	3.81	3	<2	<2	39	0.5	<3	<3	52	2.27
1935758	Rock	3.28	0.081	3	136	6	59	<0.3	2	18	769	4.71	5	<2	<2	33	0.6	<3	<3	68	2.27
1935759	Rock	3.20	0.099	4	209	7	65	<0.3	2	16	759	4.72	3	<2	<2	31	0.7	<3	<3	69	2.13
1935760	Rock	3.83	0.089	4	182	13	95	<0.3	2	10	559	4.03	<2	<2	<2	25	0.7	<3	<3	79	1.36
1935761	Rock	2.62	0.056	3	85	8	55	<0.3	2	14	499	4.90	2	<2	<2	24	0.6	<3	<3	58	1.36
1935762	Rock	2.81	0.039	7	96	7	57	<0.3	2	11	613	4.19	<2	<2	<2	28	<0.5	<3	<3	75	1.67
1935763	Rock	3.18	0.069	4	89	6	75	<0.3	2	12	923	4.86	6	<2	<2	38	0.7	<3	<3	58	2.32
1935764	Rock	3.05	0.040	3	35	6	86	<0.3	2	11	1131	4.78	4	<2	<2	40	0.6	<3	3	63	2.74
1935765	Rock	3.64	0.038	2	13	8	83	<0.3	2	12	1454	5.12	10	<2	<2	55	0.6	<3	<3	62	3.41
1935766	Rock	3.84	0.024	<1	7	3	33	<0.3	2	8	852	2.85	11	<2	<2	52	<0.5	<3	<3	30	2.61
1935767	Rock	4.20	0.053	<1	91	6	106	0.8	2	11	1543	4.18	17	<2	<2	43	0.6	<3	<3	74	2.73
1935768	Rock	4.28	0.301	1	638	6	93	5.1	2	13	1269	5.35	19	<2	<2	39	0.7	<3	<3	66	2.42
1935769	Rock	3.84	0.014	<1	21	4	162	<0.3	6	19	1777	5.14	8	<2	<2	59	0.7	<3	<3	134	3.72
1935770	Rock	3.86	0.010	1	12	5	112	<0.3	5	23	1178	4.58	9	<2	<2	41	0.5	<3	<3	118	2.08
1935771	Rock	4.19	0.035	1	24	3	72	<0.3	2	11	1050	3.88	15	<2	<2	36	<0.5	<3	<3	87	2.35
1935772	Rock	4.00	0.007	1	4	<3	100	<0.3	3	7	1387	4.17	4	<2	<2	43	<0.5	<3	<3	83	2.53
1935773	Rock	3.47	<0.005	<1	27	<3	84	<0.3	2	5	1140	4.15	5	<2	<2	37	0.5	<3	3	82	2.21
1935774	Rock	1.93	0.007	1	12	<3	81	<0.3	2	9	1269	3.87	5	<2	<2	45	<0.5	<3	<3	87	2.73
1935775	Rock	1.69	0.006	1	11	<3	81	<0.3	2	11	1221	3.94	7	<2	<2	42	0.5	<3	<3	86	2.53
1935776	Rock	4.02	0.007	1	33	<3	75	<0.3	2	12	1199	4.40	5	<2	<2	41	<0.5	<3	3	79	2.50
1935777	Rock	4.19	<0.005	<1	48	5	84	<0.3	39	29	1667	6.22	4	<2	<2	266	0.9	<3	<3	171	3.70
1935778	Rock	4.78	<0.005	<1	42	3	79	1.1	57	35	1569	6.69	<2	<2	<2	309	0.9	<3	<3	219	3.95

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Project: None Given
Report Date: July 24, 2012

CERTIFICATE OF ANALYSIS SMI12000070.1

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5
1935749	Rock	0.116	8	<1	0.35	63	<0.001	<20	0.90	0.03	0.39	<2	<5	<1	<5	1.15	<5
1935750	Rock Pulp	0.055	6	48	0.67	127	0.105	<20	1.30	0.10	0.12	22	<5	<1	<5	0.82	<5
1935751	Rock	0.112	11	2	0.62	39	0.002	<20	1.10	0.04	0.36	<2	<5	<1	<5	1.95	<5
1935752	Rock	0.108	8	1	0.12	35	<0.001	<20	0.61	0.02	0.35	<2	<5	<1	<5	3.47	<5
1935753	Rock	0.124	8	2	0.18	16	<0.001	<20	0.70	0.03	0.38	<2	<5	<1	<5	4.86	<5
1935754	Rock	0.139	8	3	0.52	22	<0.001	<20	0.92	0.03	0.34	<2	<5	<1	<5	3.37	<5
1935755	Rock	0.150	7	2	1.20	15	0.006	<20	1.38	0.05	0.25	<2	<5	<1	5	3.80	<5
1935756	Rock	0.151	8	2	0.98	11	0.004	<20	1.11	0.06	0.31	<2	<5	<1	<5	4.92	<5
1935757	Rock	0.133	6	3	0.90	15	0.001	<20	1.21	0.04	0.33	<2	<5	<1	<5	3.18	<5
1935758	Rock	0.155	5	3	1.09	12	0.002	<20	1.34	0.04	0.29	<2	<5	<1	<5	4.05	<5
1935759	Rock	0.158	5	2	1.08	11	0.003	<20	1.31	0.05	0.35	<2	<5	<1	<5	4.53	<5
1935760	Rock	0.158	8	2	1.21	18	0.031	<20	1.36	0.05	0.36	<2	<5	<1	<5	3.83	6
1935761	Rock	0.150	7	1	0.92	25	0.011	<20	1.20	0.04	0.40	<2	<5	<1	<5	4.93	<5
1935762	Rock	0.153	6	3	1.09	16	0.015	<20	1.20	0.05	0.28	<2	<5	<1	<5	4.02	<5
1935763	Rock	0.154	5	2	1.09	25	<0.001	<20	1.42	0.03	0.34	<2	<5	<1	<5	4.20	<5
1935764	Rock	0.156	6	2	1.22	37	<0.001	<20	1.52	0.03	0.29	<2	<5	<1	<5	3.93	<5
1935765	Rock	0.148	7	3	1.18	21	<0.001	<20	1.66	0.03	0.29	<2	<5	<1	5	3.74	5
1935766	Rock	0.172	6	<1	0.42	75	<0.001	<20	0.92	0.03	0.34	<2	<5	<1	<5	2.30	<5
1935767	Rock	0.154	5	3	1.23	57	0.003	<20	1.55	0.05	0.29	<2	<5	<1	6	3.23	6
1935768	Rock	0.151	7	2	1.20	19	0.025	<20	1.54	0.05	0.24	<2	<5	<1	<5	4.03	5
1935769	Rock	0.142	10	11	2.33	126	0.063	<20	2.74	0.04	0.26	<2	<5	<1	7	0.59	9
1935770	Rock	0.149	7	10	1.86	82	0.059	<20	2.23	0.08	0.21	<2	<5	<1	6	1.34	8
1935771	Rock	0.159	5	2	1.40	89	0.061	<20	1.77	0.06	0.23	<2	<5	<1	<5	2.06	7
1935772	Rock	0.152	9	9	1.84	161	0.049	<20	2.55	0.06	0.26	<2	<5	<1	7	0.24	6
1935773	Rock	0.155	9	2	1.69	195	0.053	<20	2.34	0.06	0.26	<2	<5	<1	7	0.19	6
1935774	Rock	0.155	6	5	1.62	276	0.061	<20	2.19	0.07	0.26	<2	<5	<1	<5	0.59	7
1935775	Rock	0.156	7	3	1.62	258	0.061	<20	2.15	0.06	0.24	<2	<5	<1	6	0.71	6
1935776	Rock	0.160	7	4	1.58	164	0.046	<20	2.14	0.07	0.27	<2	<5	<1	5	1.42	7
1935777	Rock	0.123	7	72	2.89	79	0.169	<20	3.33	0.17	0.18	<2	<5	<1	7	0.68	14
1935778	Rock	0.106	8	124	3.27	51	0.253	<20	4.07	0.33	0.14	<2	<5	<1	10	0.08	19

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Project: None Given
Report Date: July 24, 2012

CERTIFICATE OF ANALYSIS SMI12000070.1

	Method	WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1935779	Rock	4.26	0.005	<1	38	4	88	0.4	48	31	1857	6.54	3	<2	<2	146	0.9	<3	3	193	3.90
1935780	Rock	3.73	0.009	1	10	4	73	<0.3	2	9	1589	4.05	11	<2	<2	51	0.7	<3	4	94	3.71
1935781	Rock	4.02	0.017	1	11	<3	81	<0.3	2	7	1386	3.90	8	<2	<2	42	<0.5	<3	<3	86	2.90
1935782	Rock	3.80	0.013	2	6	<3	65	0.3	2	14	1080	4.14	12	<2	<2	39	<0.5	<3	4	61	2.69
1935783	Rock	4.11	0.014	1	17	4	65	<0.3	2	14	1428	4.36	16	<2	<2	47	<0.5	<3	<3	58	3.66
1935784	Rock	4.62	0.124	1	544	8	99	2.8	2	12	1606	8.74	30	<2	<2	38	0.7	<3	8	50	2.31
1935785	Rock	4.86	0.037	1	7	3	77	0.3	2	15	1272	5.06	20	<2	<2	41	<0.5	<3	<3	56	2.79
1935786	Rock	4.06	0.022	1	5	5	82	<0.3	3	17	1374	5.36	16	<2	<2	44	<0.5	<3	<3	54	3.09
1935787	Rock	4.44	0.027	<1	17	5	94	<0.3	4	13	1496	3.77	13	<2	<2	45	<0.5	<3	<3	70	3.05
1935788	Rock	4.36	0.062	<1	62	4	108	<0.3	12	10	2130	4.13	7	<2	<2	70	0.6	<3	<3	90	4.27
1935789	Rock	4.10	0.042	<1	49	6	111	<0.3	2	12	1774	3.50	18	<2	<2	57	<0.5	<3	<3	67	3.28
1935790	Rock	3.81	0.025	<1	34	4	97	<0.3	2	7	1733	3.06	15	<2	<2	50	<0.5	<3	4	67	3.05
1935791	Rock	4.28	0.028	<1	266	3	74	<0.3	2	14	2058	4.60	24	<2	<2	64	<0.5	<3	4	52	4.17
1935792	Rock	3.63	0.015	<1	5	<3	85	<0.3	3	10	1918	4.20	18	<2	<2	51	<0.5	<3	<3	64	3.47
1935793	Rock	3.67	0.019	1	35	4	91	<0.3	2	13	1774	4.27	12	<2	<2	50	<0.5	<3	<3	62	3.08
1935794	Rock	4.37	0.035	<1	19	<3	132	<0.3	<1	11	1846	3.95	12	<2	<2	52	0.7	<3	5	78	2.85
1935795	Rock	3.76	0.043	<1	212	4	127	<0.3	1	11	2090	5.66	13	<2	<2	45	<0.5	<3	<3	70	2.18
1935796	Rock	4.37	0.021	<1	25	<3	117	<0.3	1	10	2218	4.50	8	<2	<2	61	<0.5	<3	<3	56	2.60
1935797	Rock	4.47	0.024	<1	124	<3	98	<0.3	<1	11	2107	4.32	12	<2	<2	58	<0.5	<3	<3	51	3.24
1935798	Rock	4.38	0.047	<1	136	4	101	<0.3	1	13	1936	6.45	14	<2	<2	45	<0.5	<3	<3	54	2.98
1935799	Rock	4.18	0.022	<1	16	4	104	<0.3	1	12	2258	5.73	10	<2	<2	63	<0.5	<3	<3	57	3.92
1935800	Rock Pulp	0.08	0.431	330	5238	4	47	1.2	25	12	414	3.05	6	<2	<2	37	<0.5	<3	<3	57	0.79
1935801	Rock	4.28	0.012	<1	50	4	146	<0.3	12	16	2363	5.74	7	<2	<2	59	<0.5	<3	<3	79	3.41
1935802	Rock	4.02	0.008	<1	38	8	152	<0.3	32	26	2056	5.41	5	<2	<2	61	<0.5	<3	6	107	4.41
1935803	Rock	4.41	<0.005	1	21	9	174	<0.3	47	32	2252	6.49	4	<2	<2	84	0.6	<3	5	167	4.55
1935804	Rock	3.98	0.009	1	29	6	135	<0.3	21	24	1978	5.89	8	<2	<2	67	0.5	<3	<3	92	4.49
1935805	Rock	3.57	0.038	<1	25	<3	115	<0.3	16	20	1749	5.33	9	<2	<2	54	<0.5	<3	<3	87	3.22
1935806	Rock	4.38	0.087	1	347	<3	67	<0.3	2	15	1620	4.14	10	<2	<2	57	<0.5	<3	4	38	3.39
1935807	Rock	2.83	0.182	2	906	<3	61	<0.3	2	14	2080	5.52	20	<2	<2	70	<0.5	<3	<3	39	4.24
1935808	Rock	2.60	0.183	4	447	<3	46	1.2	1	4	628	2.82	4	<2	3	65	<0.5	<3	<3	30	0.25

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CERTIFICATE OF ANALYSIS SMI12000070.1

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D
	Analyte	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**B**	**Al**	**Na**	**K**	**W**	**Tl**	**Hg**	**Ga**	**S**	**Sc**
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5
1935779	Rock	0.116	8	109	3.26	84	0.328	<20	3.38	0.14	0.13	<2	<5	<1	5	0.31	18
1935780	Rock	0.151	8	4	1.50	99	0.020	<20	1.86	0.07	0.26	<2	<5	<1	7	2.03	7
1935781	Rock	0.154	6	3	1.49	72	0.012	<20	1.79	0.06	0.24	<2	<5	<1	<5	2.19	6
1935782	Rock	0.153	6	3	1.22	60	0.002	<20	1.53	0.06	0.31	<2	<5	<1	<5	3.02	6
1935783	Rock	0.149	5	2	1.13	38	0.002	<20	1.49	0.04	0.30	<2	<5	<1	<5	3.43	6
1935784	Rock	0.146	5	<1	1.25	24	0.003	<20	2.21	0.02	0.37	<2	<5	<1	<5	5.77	6
1935785	Rock	0.162	6	1	1.09	45	0.002	<20	1.74	0.03	0.34	<2	<5	<1	<5	3.11	6
1935786	Rock	0.168	6	2	1.24	45	<0.001	<20	1.82	0.04	0.38	<2	<5	<1	<5	3.77	6
1935787	Rock	0.151	8	6	1.39	101	0.001	<20	1.81	0.03	0.33	<2	<5	<1	<5	1.94	6
1935788	Rock	0.141	9	27	1.92	361	0.003	<20	2.51	0.04	0.33	<2	<5	<1	6	0.60	7
1935789	Rock	0.151	7	4	1.33	179	0.003	<20	1.80	0.03	0.36	<2	<5	<1	5	1.60	7
1935790	Rock	0.147	9	4	1.30	273	0.004	<20	1.78	0.03	0.38	<2	<5	<1	6	1.01	6
1935791	Rock	0.140	7	2	0.94	123	0.001	<20	1.65	0.02	0.38	<2	<5	<1	5	2.74	6
1935792	Rock	0.150	6	2	1.18	148	0.001	<20	1.77	0.03	0.36	<2	<5	<1	6	2.23	7
1935793	Rock	0.149	5	3	1.26	60	0.001	<20	1.72	0.03	0.36	<2	<5	<1	5	2.74	7
1935794	Rock	0.145	5	4	1.34	133	0.007	<20	1.81	0.04	0.31	<2	<5	<1	7	2.09	7
1935795	Rock	0.145	6	3	1.42	90	0.002	<20	2.34	0.02	0.36	<2	<5	<1	8	2.21	6
1935796	Rock	0.146	8	3	1.40	194	0.004	<20	2.28	0.02	0.41	<2	<5	<1	7	1.29	5
1935797	Rock	0.141	6	3	1.26	129	0.002	<20	2.00	0.02	0.41	<2	<5	<1	5	1.86	6
1935798	Rock	0.148	6	3	1.09	84	0.001	<20	2.28	0.01	0.40	<2	<5	<1	<5	2.82	5
1935799	Rock	0.142	7	3	1.24	80	0.001	<20	2.27	0.02	0.38	<2	<5	<1	7	2.26	6
1935800	Rock Pulp	0.052	4	28	0.67	119	0.112	<20	1.40	0.10	0.14	13	<5	<1	6	0.65	<5
1935801	Rock	0.138	7	30	2.00	201	0.002	<20	3.08	0.02	0.35	<2	<5	<1	9	0.93	7
1935802	Rock	0.130	10	86	2.46	43	0.003	<20	3.10	0.02	0.29	<2	<5	<1	10	0.65	9
1935803	Rock	0.110	11	138	3.16	127	0.204	<20	3.75	0.04	0.16	<2	<5	<1	16	0.12	13
1935804	Rock	0.138	9	66	2.03	35	0.027	<20	2.90	0.01	0.33	<2	<5	<1	9	1.53	8
1935805	Rock	0.131	12	40	1.75	57	0.060	<20	2.42	0.03	0.30	<2	<5	<1	9	1.50	7
1935806	Rock	0.147	7	2	0.74	137	0.002	<20	1.50	0.02	0.38	<2	<5	<1	<5	2.35	<5
1935807	Rock	0.126	7	2	0.62	45	<0.001	<20	1.56	<0.01	0.37	<2	<5	<1	<5	3.09	<5
1935808	Rock	0.103	12	3	0.54	3142	0.002	<20	1.12	0.02	0.35	<2	<5	<1	<5	0.10	<5

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	Method	WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1935809	Rock	3.45	0.166	5	223	<3	72	1.4	1	8	997	4.03	<2	<2	4	11	<0.5	<3	<3	58	0.22
1935810	Rock	3.42	0.130	4	155	4	67	1.2	<1	7	739	4.49	2	<2	4	12	<0.5	<3	<3	70	0.22
1935811	Rock	3.29	0.377	4	558	4	60	1.7	2	8	608	7.22	5	<2	3	9	<0.5	<3	<3	62	0.15
1935812	Rock	3.47	0.199	5	1024	<3	77	0.4	2	8	777	6.74	4	<2	2	9	<0.5	<3	<3	65	0.31
1935813	Rock	3.71	0.298	6	1867	<3	68	0.4	3	10	743	7.08	3	<2	3	11	<0.5	<3	<3	76	0.41
1935814	Rock	3.03	0.377	12	2670	<3	59	1.3	1	8	896	4.96	4	<2	2	20	<0.5	<3	<3	59	1.30
1935815	Rock	4.10	1.170	10	5479	5	41	4.8	2	10	742	5.70	16	<2	<2	18	<0.5	<3	5	27	1.37
1935816	Rock	3.42	0.188	11	1208	<3	44	<0.3	1	9	1160	4.71	8	<2	3	33	<0.5	<3	3	36	2.47
1935817	Rock	3.98	0.363	9	1269	<3	26	0.5	3	11	1356	8.06	42	<2	<2	40	<0.5	<3	8	46	3.43
1935818	Rock	3.91	0.143	14	784	<3	31	<0.3	<1	9	1712	3.32	14	<2	<2	50	<0.5	<3	<3	22	3.40
1935819	Rock	3.47	0.186	49	1532	<3	29	0.5	1	10	1126	3.42	9	<2	2	31	<0.5	<3	4	19	2.13
1935820	Rock	3.71	0.896	18	704	10	9	10.5	2	9	1040	10.42	62	<2	<2	36	<0.5	<3	9	7	2.68
1935821	Rock	3.31	0.234	14	1152	<3	42	1.0	1	7	1239	3.76	15	<2	3	43	<0.5	<3	<3	21	2.84
1935822	Rock	4.35	0.202	18	561	7	29	0.4	2	8	867	6.08	36	<2	<2	27	<0.5	<3	4	15	2.21
1935823	Rock	3.23	0.128	14	522	<3	43	<0.3	1	5	1457	2.69	8	<2	3	99	<0.5	<3	<3	35	3.79
1935824	Rock	3.48	0.156	11	421	6	23	<0.3	2	5	964	3.73	28	<2	<2	45	<0.5	<3	<3	19	3.08
1935825	Rock	0.56	<0.005	<1	<1	3	<1	<0.3	<1	<1	23	0.02	<2	<2	<2	3852	<0.5	<3	<3	<1	34.13
1935826	Rock	3.56	0.089	11	378	<3	52	<0.3	2	5	1206	3.55	3	<2	3	33	<0.5	<3	5	48	2.53
1935827	Rock	2.78	0.438	16	657	<3	32	1.9	2	6	1111	3.00	8	<2	<2	40	<0.5	<3	7	21	2.52
1935828	Rock	3.67	0.180	11	365	<3	43	4.2	2	5	1565	3.06	3	<2	3	48	<0.5	<3	9	27	3.07
1935829	Rock	4.58	0.455	15	227	5	17	3.1	2	7	901	6.10	13	<2	<2	37	<0.5	<3	9	9	2.78
1935830	Rock	4.44	1.130	13	133	22	8	6.8	2	9	623	14.66	70	<2	<2	20	<0.5	<3	25	5	1.27
1935831	Rock	2.71	0.109	13	308	<3	47	<0.3	<1	4	1312	2.87	9	<2	3	45	<0.5	<3	<3	35	2.95
1935832	Rock	3.27	0.318	14	505	<3	59	1.3	2	7	1435	5.11	28	<2	3	38	<0.5	<3	8	22	2.79
1935833	Rock	3.21	0.279	11	301	3	67	2.5	1	5	1388	3.59	12	<2	2	39	<0.5	<3	<3	25	2.63
1935834	Rock	2.56	0.791	13	1103	5	20	3.9	1	4	702	3.90	15	<2	<2	34	<0.5	<3	5	8	2.05
1935835	Rock	2.94	0.308	162	1068	4	30	2.3	2	12	1034	3.48	19	<2	2	48	<0.5	<3	9	18	2.83
1935836	Rock	3.57	0.256	18	598	4	46	10.2	1	6	1263	3.93	11	<2	2	44	<0.5	<3	4	27	2.87
1935837	Rock	3.48	0.168	17	630	<3	19	<0.3	1	6	1284	2.81	3	<2	<2	54	<0.5	<3	5	19	4.15
1935838	Rock	4.13	0.141	6	453	3	33	2.2	1	6	829	3.82	12	<2	3	39	<0.5	<3	6	34	2.47

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CERTIFICATE OF ANALYSIS SMI12000070.1

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5
1935809	Rock	0.117	13	3	0.81	634	0.005	<20	1.33	0.03	0.30	<2	<5	<1	<5	<0.05	<5
1935810	Rock	0.120	8	3	0.82	353	0.031	<20	1.27	0.04	0.26	<2	<5	<1	7	<0.05	<5
1935811	Rock	0.094	7	4	0.83	513	0.004	<20	1.37	0.03	0.27	<2	<5	<1	7	0.09	<5
1935812	Rock	0.105	7	5	1.03	414	0.004	<20	1.60	0.03	0.24	<2	<5	<1	8	0.11	<5
1935813	Rock	0.102	9	5	1.06	264	0.008	<20	1.52	0.04	0.26	<2	<5	<1	8	0.12	<5
1935814	Rock	0.094	8	4	0.82	319	0.009	<20	1.23	0.04	0.25	<2	<5	<1	7	0.58	<5
1935815	Rock	0.078	4	3	0.53	83	0.001	<20	1.06	0.02	0.36	<2	<5	<1	<5	3.41	<5
1935816	Rock	0.102	6	3	0.76	355	0.002	<20	1.36	0.02	0.31	<2	<5	<1	<5	1.14	<5
1935817	Rock	0.107	7	7	0.80	46	0.002	<20	1.65	0.01	0.40	<2	<5	<1	<5	4.42	<5
1935818	Rock	0.103	9	2	0.73	472	0.001	<20	1.30	0.01	0.37	<2	<5	<1	<5	0.68	<5
1935819	Rock	0.102	8	1	0.52	281	0.001	<20	1.23	<0.01	0.44	<2	<5	<1	<5	1.18	<5
1935820	Rock	0.086	5	<1	0.13	13	<0.001	<20	0.53	0.01	0.35	<2	<5	2	<5	9.93	<5
1935821	Rock	0.104	7	2	0.63	69	0.001	<20	1.21	0.01	0.38	<2	<5	<1	<5	1.97	<5
1935822	Rock	0.107	6	1	0.30	22	0.001	<20	0.78	0.01	0.38	<2	<5	<1	<5	5.55	<5
1935823	Rock	0.109	12	2	0.45	218	0.001	<20	0.88	0.02	0.33	<2	<5	<1	<5	0.51	<5
1935824	Rock	0.114	7	1	0.37	43	<0.001	<20	0.96	0.01	0.41	<2	<5	<1	<5	2.47	<5
1935825	Rock	0.003	<1	1	1.55	8	<0.001	<20	0.04	0.01	<0.01	<2	<5	<1	8	<0.05	<5
1935826	Rock	0.122	11	3	0.79	759	0.001	<20	1.40	0.03	0.39	<2	<5	<1	6	0.28	<5
1935827	Rock	0.118	8	2	0.47	185	<0.001	<20	1.06	0.02	0.46	<2	<5	<1	7	1.53	<5
1935828	Rock	0.118	9	2	0.64	213	0.001	<20	1.26	0.02	0.41	<2	<5	<1	5	0.95	<5
1935829	Rock	0.102	6	3	0.15	26	<0.001	<20	0.65	0.01	0.44	<2	<5	<1	<5	6.21	<5
1935830	Rock	0.066	1	1	0.05	13	<0.001	<20	0.39	0.01	0.27	<2	<5	<1	<5	>10	<5
1935831	Rock	0.108	10	4	0.52	465	0.002	<20	1.13	0.03	0.37	<2	<5	<1	5	0.44	<5
1935832	Rock	0.099	8	2	0.65	55	0.001	<20	1.17	0.02	0.36	<2	<5	<1	<5	3.88	<5
1935833	Rock	0.111	8	3	0.64	77	0.002	<20	1.19	0.02	0.43	<2	<5	<1	<5	2.23	<5
1935834	Rock	0.115	6	2	0.19	48	<0.001	<20	0.56	0.01	0.36	<2	<5	<1	<5	3.87	<5
1935835	Rock	0.120	6	2	0.39	47	<0.001	<20	1.02	0.02	0.47	<2	<5	<1	<5	2.65	<5
1935836	Rock	0.108	7	3	0.66	63	<0.001	<20	1.24	0.02	0.39	<2	<5	4	6	2.35	<5
1935837	Rock	0.110	8	2	0.35	112	0.001	<20	1.02	0.02	0.44	<2	<5	<1	6	1.37	<5
1935838	Rock	0.112	7	3	0.67	103	0.001	<20	1.17	0.03	0.37	<2	<5	<1	<5	1.66	<5

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Project: None Given
Report Date: July 24, 2012

CERTIFICATE OF ANALYSIS SMI12000070.1

	Method	WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1935839	Rock	3.29	0.655	16	594	8	130	6.4	2	5	660	9.28	196	<2	2	31	1.8	<3	6	21	2.13
1935840	Rock	3.26	0.167	14	667	<3	43	0.9	2	6	680	3.88	8	<2	3	31	<0.5	<3	5	44	1.96
1935841	Rock	2.62	0.177	18	427	<3	41	1.1	2	7	689	4.66	6	<2	2	31	<0.5	<3	6	51	1.71
1935842	Rock	3.42	0.144	13	470	9	53	<0.3	2	5	737	3.64	3	<2	2	32	<0.5	<3	<3	61	1.42
1935843	Rock	3.35	0.130	8	476	<3	34	3.4	2	5	782	3.04	4	<2	3	41	<0.5	<3	4	29	2.31
1935844	Rock	2.28	0.116	9	372	<3	49	<0.3	2	5	741	4.32	<2	<2	2	30	<0.5	<3	<3	75	1.63
1935845	Rock	2.74	0.263	14	879	5	49	0.9	3	7	661	5.71	15	<2	<2	15	<0.5	<3	5	64	0.87
1935846	Rock	4.01	0.014	3	75	5	86	<0.3	82	30	1371	4.91	4	<2	<2	76	0.9	<3	<3	137	4.16
1935847	Rock	3.36	0.142	8	281	3	55	<0.3	28	14	797	4.41	8	<2	<2	40	<0.5	<3	<3	84	1.86
1935848	Rock	2.58	0.152	15	465	<3	56	0.7	2	7	744	4.50	3	<2	3	22	<0.5	<3	5	63	0.83
1935849	Rock	3.21	0.184	10	484	<3	46	0.3	2	6	723	4.22	<2	<2	3	31	<0.5	<3	<3	58	1.29
1935850	Rock Pulp	0.07	0.785	177	9158	<3	39	1.1	22	11	493	3.62	5	<2	<2	69	<0.5	<3	<3	45	0.94
1935851	Rock	2.20	0.170	12	627	<3	41	0.4	2	5	669	3.42	4	<2	2	24	<0.5	<3	<3	47	1.23
1935852	Rock	3.08	0.300	12	1053	<3	41	0.9	2	6	668	4.63	5	<2	3	26	<0.5	<3	<3	51	1.21
1935853	Rock	2.80	0.202	12	719	<3	32	0.7	2	7	918	4.15	5	<2	2	33	<0.5	<3	<3	35	2.01
1935854	Rock	4.89	0.351	10	788	<3	15	2.8	2	6	1094	3.97	15	<2	<2	50	<0.5	<3	<3	18	3.12
1935855	Rock	3.56	0.310	14	657	<3	23	0.5	<1	9	957	3.95	12	<2	3	48	0.6	<3	<3	22	3.13
1935856	Rock	3.33	0.402	18	675	<3	18	<0.3	2	8	904	4.71	14	<2	2	38	<0.5	<3	5	14	2.81
1935857	Rock	2.96	0.320	19	887	<3	30	<0.3	2	8	836	4.96	17	<2	2	36	0.5	<3	<3	29	2.32
1935858	Rock	3.68	0.326	18	1037	<3	38	<0.3	2	8	819	4.86	7	<2	<2	36	<0.5	<3	<3	50	2.04
1935859	Rock	3.85	0.402	14	939	6	32	<0.3	2	12	1029	6.74	10	<2	2	39	<0.5	<3	<3	50	2.83
1935860	Rock	2.72	0.252	17	627	<3	30	<0.3	<1	8	865	4.80	4	<2	2	40	<0.5	<3	4	34	2.23
1935861	Rock	2.14	0.180	14	642	<3	43	1.0	<1	6	621	3.98	4	<2	3	31	<0.5	<3	<3	60	1.66
1935862	Rock	2.45	0.301	20	1195	<3	34	0.3	<1	8	1324	4.35	5	<2	3	65	<0.5	<3	<3	47	3.60
1935863	Rock	3.54	0.312	21	1281	<3	18	<0.3	<1	8	946	3.52	5	<2	2	50	<0.5	<3	<3	31	3.16
1935864	Rock	4.58	0.283	30	702	5	16	0.8	2	10	857	5.41	18	<2	<2	47	<0.5	<3	<3	20	3.19
1935865	Rock	2.43	0.227	21	980	<3	42	0.5	2	10	754	4.89	8	<2	3	41	<0.5	<3	<3	56	2.17
1935866	Rock	3.66	0.217	26	828	3	48	0.4	2	8	671	4.06	5	<2	3	33	<0.5	<3	<3	57	1.74
1935867	Rock	2.55	0.352	17	744	4	38	0.5	2	9	892	4.19	9	<2	3	39	<0.5	<3	4	49	2.50
1935868	Rock	3.39	0.188	13	773	<3	43	0.5	2	9	649	3.99	8	<2	3	35	<0.5	<3	<3	57	1.86

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CERTIFICATE OF ANALYSIS SMI12000070.1

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5
1935839	Rock	0.100	6	3	0.33	11	<0.001	<20	0.80	0.02	0.39	<2	<5	<1	<5	8.44	<5
1935840	Rock	0.111	9	3	0.80	269	0.001	<20	1.26	0.03	0.34	<2	<5	<1	<5	1.33	<5
1935841	Rock	0.108	8	5	0.74	140	0.004	<20	1.19	0.05	0.33	<2	<5	<1	<5	1.83	<5
1935842	Rock	0.110	8	3	0.88	320	0.015	<20	1.18	0.06	0.20	<2	<5	<1	<5	0.52	<5
1935843	Rock	0.095	8	3	0.62	142	0.001	<20	1.05	0.03	0.31	<2	<5	1	<5	1.31	<5
1935844	Rock	0.104	9	3	0.80	355	0.011	<20	1.12	0.05	0.21	<2	<5	<1	<5	0.40	<5
1935845	Rock	0.108	8	6	0.96	153	0.005	<20	1.59	0.04	0.34	<2	<5	<1	6	1.91	<5
1935846	Rock	0.098	8	130	3.58	53	0.051	<20	3.55	0.14	0.14	<2	<5	<1	<5	<0.05	15
1935847	Rock	0.103	7	41	1.85	74	0.034	<20	2.11	0.10	0.21	<2	<5	<1	9	0.34	8
1935848	Rock	0.117	7	4	0.97	158	0.049	<20	1.37	0.05	0.21	<2	<5	<1	8	1.36	<5
1935849	Rock	0.111	10	5	0.88	363	0.008	<20	1.30	0.05	0.27	<2	<5	<1	6	0.93	<5
1935850	Rock Pulp	0.055	7	26	0.66	112	0.087	<20	1.32	0.10	0.19	2	<5	<1	<5	1.19	<5
1935851	Rock	0.109	10	3	0.87	296	0.002	<20	1.15	0.04	0.26	<2	<5	<1	<5	1.34	<5
1935852	Rock	0.094	10	4	0.87	153	0.002	<20	1.30	0.03	0.32	<2	<5	<1	<5	1.77	<5
1935853	Rock	0.103	6	3	0.72	82	0.002	<20	1.13	0.03	0.34	<2	<5	<1	<5	1.98	<5
1935854	Rock	0.109	5	3	0.33	31	0.001	<20	1.00	0.02	0.48	<2	<5	<1	<5	2.84	<5
1935855	Rock	0.115	5	1	0.49	50	<0.001	<20	1.21	0.02	0.39	<2	<5	<1	<5	2.46	<5
1935856	Rock	0.099	5	2	0.41	28	<0.001	<20	1.03	0.02	0.47	<2	<5	<1	<5	3.99	<5
1935857	Rock	0.108	5	2	0.56	45	0.001	<20	1.00	0.02	0.37	<2	<5	<1	<5	3.71	<5
1935858	Rock	0.106	5	5	0.78	123	0.001	<20	1.25	0.03	0.34	<2	<5	<1	<5	1.61	<5
1935859	Rock	0.106	5	3	0.71	31	0.001	<20	1.26	0.02	0.34	<2	<5	<1	5	3.74	<5
1935860	Rock	0.114	6	2	0.65	26	0.001	<20	1.09	0.02	0.32	<2	<5	<1	<5	3.22	<5
1935861	Rock	0.116	8	4	0.86	169	0.004	<20	1.26	0.04	0.30	<2	<5	<1	6	1.49	<5
1935862	Rock	0.105	9	3	0.86	73	0.001	<20	1.13	0.03	0.28	<2	<5	<1	6	1.63	<5
1935863	Rock	0.113	7	2	0.64	103	0.001	<20	1.22	0.03	0.35	<2	<5	<1	<5	1.41	<5
1935864	Rock	0.103	6	2	0.49	22	0.001	<20	0.90	0.02	0.32	<2	<5	<1	<5	4.65	<5
1935865	Rock	0.107	6	4	1.05	63	0.002	<20	1.49	0.04	0.28	<2	<5	<1	6	1.76	<5
1935866	Rock	0.118	7	2	0.96	160	0.002	<20	1.34	0.04	0.27	<2	<5	<1	6	1.33	<5
1935867	Rock	0.115	7	3	0.96	55	0.001	<20	1.38	0.04	0.31	<2	<5	<1	6	2.25	<5
1935868	Rock	0.119	8	3	0.96	117	0.001	<20	1.38	0.04	0.29	<2	<5	<1	7	1.48	<5

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Project: None Given
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CERTIFICATE OF ANALYSIS SMI12000070.1

	Method	WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1935869	Rock	3.62	0.811	13	1981	7	35	3.6	3	15	821	6.16	19	<2	<2	36	<0.5	<3	3	28	2.48
1935870	Rock	3.72	0.331	11	1237	4	37	1.5	2	9	771	4.22	5	<2	2	39	<0.5	<3	3	39	2.44
1935871	Rock	2.72	0.315	9	620	4	26	0.5	2	10	868	4.76	10	<2	3	39	<0.5	<3	<3	22	2.85
1935872	Rock	3.91	0.626	12	716	5	13	2.2	2	11	636	7.32	29	<2	3	34	<0.5	<3	4	10	2.14
1935873	Rock	4.38	0.675	19	954	6	7	0.9	2	11	272	10.59	39	<2	3	17	<0.5	<3	7	7	1.01

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	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5
1935869	Rock	0.134	6	2	0.76	23	0.002	<20	1.31	0.02	0.37	<2	<5	<1	<5	4.90	<5
1935870	Rock	0.113	7	2	0.70	82	0.002	<20	1.23	0.02	0.35	<2	<5	<1	<5	1.80	<5
1935871	Rock	0.105	6	1	0.51	47	0.001	<20	1.01	0.02	0.36	<2	<5	<1	<5	3.59	<5
1935872	Rock	0.092	4	1	0.20	10	<0.001	<20	0.60	0.01	0.35	<2	<5	<1	<5	7.21	<5
1935873	Rock	0.096	3	<1	0.06	17	0.001	<20	0.45	0.01	0.34	<2	<5	<1	<5	>10	<5

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QUALITY CONTROL REPORT SMI12000070.1

Method		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
Pulp Duplicates																					
1935729	Rock	1.30	0.084	6	131	<3	88	<0.3	3	8	1249	3.81	6	<2	<2	34	<0.5	<3	<3	75	2.23
REP 1935729	QC			7	127	<3	86	<0.3	3	8	1227	3.70	6	<2	<2	34	<0.5	<3	<3	73	2.19
1935771	Rock	4.19	0.035	1	24	3	72	<0.3	2	11	1050	3.88	15	<2	<2	36	<0.5	<3	<3	87	2.35
REP 1935771	QC			1	24	3	72	<0.3	2	11	1057	3.87	13	<2	<2	36	<0.5	<3	<3	86	2.35
1935772	Rock	4.00	0.007	1	4	<3	100	<0.3	3	7	1387	4.17	4	<2	<2	43	<0.5	<3	<3	83	2.53
REP 1935772	QC		0.009																		
1935803	Rock	4.41	<0.005	1	21	9	174	<0.3	47	32	2252	6.49	4	<2	<2	84	0.6	<3	5	167	4.55
REP 1935803	QC			<1	20	5	175	<0.3	47	32	2310	6.68	4	<2	<2	87	0.5	<3	<3	169	4.67
1935835	Rock	2.94	0.308	162	1068	4	30	2.3	2	12	1034	3.48	19	<2	2	48	<0.5	<3	9	18	2.83
REP 1935835	QC		0.310																		
1935852	Rock	3.08	0.300	12	1053	<3	41	0.9	2	6	668	4.63	5	<2	3	26	<0.5	<3	<3	51	1.21
REP 1935852	QC			12	1040	<3	44	0.7	2	7	665	4.58	4	<2	3	25	<0.5	<3	<3	52	1.24
1935858	Rock	3.68	0.326	18	1037	<3	38	<0.3	2	8	819	4.86	7	<2	<2	36	<0.5	<3	<3	50	2.04
REP 1935858	QC		0.339																		
Core Reject Duplicates																					
1935751	Rock	3.40	0.102	7	76	<3	59	<0.3	2	8	1039	2.86	3	<2	<2	49	<0.5	<3	<3	36	3.61
DUP 1935751	QC	<0.01	0.097	7	81	3	59	<0.3	2	8	1008	2.81	<2	<2	<2	47	<0.5	<3	<3	35	3.49
1935785	Rock	4.86	0.037	1	7	3	77	0.3	2	15	1272	5.06	20	<2	<2	41	<0.5	<3	<3	56	2.79
DUP 1935785	QC	<0.01	0.037	1	6	4	78	0.3	2	16	1298	5.22	21	<2	<2	42	0.5	<3	<3	57	2.87
1935819	Rock	3.47	0.186	49	1532	<3	29	0.5	1	10	1126	3.42	9	<2	2	31	<0.5	<3	4	19	2.13
DUP 1935819	QC	<0.01	0.185	50	1578	5	30	0.5	2	10	1149	3.51	9	<2	3	31	<0.5	<3	<3	19	2.19
1935853	Rock	2.80	0.202	12	719	<3	32	0.7	2	7	918	4.15	5	<2	2	33	<0.5	<3	<3	35	2.01
DUP 1935853	QC		0.208	11	737	5	33	0.7	2	8	876	4.33	9	<2	<2	31	<0.5	<3	<3	37	1.91
Reference Materials																					
STD DS9	Standard			12	102	126	315	1.6	39	7	574	2.31	29	<2	7	72	2.2	5	6	38	0.71
STD DS9	Standard			12	104	126	323	1.7	41	8	565	2.31	28	<2	6	66	2.4	<3	6	40	0.69
STD DS9	Standard			12	105	131	328	1.7	43	8	584	2.35	27	2	7	71	2.6	5	5	42	0.71
STD DS9	Standard			13	109	130	339	1.8	43	8	592	2.46	27	<2	5	72	2.9	4	8	43	0.75

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Client: **West Cirque Resources**
530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 24, 2012

QUALITY CONTROL REPORT SMI12000070.1

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5
Pulp Duplicates																	
1935729	Rock	0.145	8	5	1.24	360	0.002	<20	1.93	0.04	0.34	<2	<5	<1	6	0.53	<5
REP 1935729	QC	0.142	8	5	1.21	443	0.002	<20	1.90	0.04	0.34	<2	<5	<1	6	0.51	<5
1935771	Rock	0.159	5	2	1.40	89	0.061	<20	1.77	0.06	0.23	<2	<5	<1	<5	2.06	7
REP 1935771	QC	0.157	5	2	1.41	85	0.059	<20	1.78	0.06	0.23	<2	<5	<1	<5	2.05	7
1935772	Rock	0.152	9	9	1.84	161	0.049	<20	2.55	0.06	0.26	<2	<5	<1	7	0.24	6
REP 1935772	QC																
1935803	Rock	0.110	11	138	3.16	127	0.204	<20	3.75	0.04	0.16	<2	<5	<1	16	0.12	13
REP 1935803	QC	0.110	11	138	3.24	130	0.215	<20	3.83	0.04	0.17	<2	<5	<1	13	0.12	13
1935835	Rock	0.120	6	2	0.39	47	<0.001	<20	1.02	0.02	0.47	<2	<5	<1	<5	2.65	<5
REP 1935835	QC																
1935852	Rock	0.094	10	4	0.87	153	0.002	<20	1.30	0.03	0.32	<2	<5	<1	<5	1.77	<5
REP 1935852	QC	0.095	10	5	0.86	96	0.002	<20	1.30	0.03	0.32	<2	<5	<1	<5	1.73	<5
1935858	Rock	0.106	5	5	0.78	123	0.001	<20	1.25	0.03	0.34	<2	<5	<1	<5	1.61	<5
REP 1935858	QC																
Core Reject Duplicates																	
1935751	Rock	0.112	11	2	0.62	39	0.002	<20	1.10	0.04	0.36	<2	<5	<1	<5	1.95	<5
DUP 1935751	QC	0.109	11	3	0.61	40	0.002	<20	1.03	0.04	0.33	<2	<5	<1	<5	1.84	<5
1935785	Rock	0.162	6	1	1.09	45	0.002	<20	1.74	0.03	0.34	<2	<5	<1	<5	3.11	6
DUP 1935785	QC	0.163	6	2	1.11	46	0.002	<20	1.74	0.03	0.34	<2	<5	<1	<5	3.32	7
1935819	Rock	0.102	8	1	0.52	281	0.001	<20	1.23	<0.01	0.44	<2	<5	<1	<5	1.18	<5
DUP 1935819	QC	0.103	8	3	0.54	282	0.001	<20	1.20	<0.01	0.43	<2	<5	<1	<5	1.23	<5
1935853	Rock	0.103	6	3	0.72	82	0.002	<20	1.13	0.03	0.34	<2	<5	<1	<5	1.98	<5
DUP 1935853	QC	0.104	6	3	0.75	75	0.002	<20	1.19	0.03	0.34	<2	<5	<1	8	2.00	<5
Reference Materials																	
STD DS9	Standard	0.083	11	112	0.62	330	0.105	<20	0.92	0.09	0.39	3	<5	<1	5	0.16	<5
STD DS9	Standard	0.083	11	118	0.61	323	0.098	<20	0.91	0.09	0.40	4	<5	<1	7	0.17	<5
STD DS9	Standard	0.085	12	123	0.62	325	0.103	<20	0.95	0.09	0.41	2	<5	<1	8	0.17	<5
STD DS9	Standard	0.090	13	129	0.67	343	0.113	<20	0.97	0.10	0.41	3	<5	<1	<5	0.17	<5

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Client: **West Cirque Resources**
530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 24, 2012

QUALITY CONTROL REPORT SMI12000070.1

		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
STD DS9	Standard			13	107	131	333	1.8	43	6	584	2.39	28	<2	5	70	2.6	3	6	43	0.72
STD OREAS45CA	Standard			<1	506	25	62	0.4	247	90	960	15.62	<2	<2	7	15	0.8	3	7	203	0.45
STD OREAS45CA	Standard			1	508	26	59	<0.3	249	98	951	16.50	3	<2	8	15	<0.5	<3	<3	221	0.45
STD OREAS45CA	Standard			1	503	22	60	<0.3	253	100	958	16.70	4	<2	8	14	<0.5	<3	<3	226	0.45
STD OREAS45CA	Standard			1	514	26	62	<0.3	255	96	944	16.60	<2	<2	3	16	1.0	<3	<3	218	0.46
STD OREAS45CA	Standard			2	508	19	62	<0.3	251	95	959	16.15	<2	<2	4	15	<0.5	<3	<3	217	0.47
STD OXG99	Standard		0.927																		
STD OXG99	Standard		0.954																		
STD OXG99	Standard		0.984																		
STD OXG99	Standard		0.964																		
STD OXG99	Standard		0.930																		
STD OXG99	Standard		0.915																		
STD OXG99	Standard		0.952																		
STD OXG99	Standard		0.952																		
STD OXG99	Standard		0.990																		
STD OXK94	Standard		3.569																		
STD OXK94	Standard		3.662																		
STD OXK94	Standard		3.697																		
STD OXK94	Standard		3.678																		
STD OXK94	Standard		3.568																		
STD OXK94	Standard		3.562																		
STD OXK94	Standard		3.648																		
STD OXK94	Standard		3.648																		
STD OXK94 Expected			3.562																		
STD OXG99 Expected			0.932																		
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	0.043	7	15	0.1	0.13	0.19	215	0.4265
STD DS9 Expected				12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	0.118	6.38	69.6	2.4	4.94	6.32	40	0.7201
BLK	Blank		0.006																		
BLK	Blank		<0.005																		

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530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 24, 2012

QUALITY CONTROL REPORT SMI12000070.1

		1D P % 0.001	1D La ppm 1	1D Cr ppm 1	1D Mg % 0.01	1D Ba ppm 1	1D Ti % 0.001	1D B ppm 20	1D Al % 0.01	1D Na % 0.01	1D K % 0.01	1D W ppm 2	1D Tl ppm 5	1D Hg ppm 1	Ga ppm 5	S % 0.05	1D Sc ppm 5
STD DS9	Standard	0.090	13	126	0.67	336	0.109	<20	0.97	0.10	0.40	<2	<5	<1	<5	0.16	<5
STD OREAS45CA	Standard	0.040	15	730	0.13	170	0.131	<20	3.56	0.01	0.07	<2	<5	<1	18	<0.05	48
STD OREAS45CA	Standard	0.040	17	732	0.14	169	0.134	<20	3.65	0.01	0.08	<2	<5	<1	18	<0.05	48
STD OREAS45CA	Standard	0.040	17	749	0.14	167	0.136	<20	3.72	0.01	0.08	<2	<5	<1	22	<0.05	47
STD OREAS45CA	Standard	0.043	17	772	0.14	170	0.137	<20	3.79	0.02	0.08	<2	<5	<1	12	<0.05	48
STD OREAS45CA	Standard	0.043	18	753	0.14	169	0.131	<20	3.69	0.02	0.08	<2	<5	<1	5	<0.05	47
STD OXG99	Standard																
STD OXG99	Standard																
STD OXG99	Standard																
STD OXG99	Standard																
STD OXG99	Standard																
STD OXG99	Standard																
STD OXG99	Standard																
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STD OXK94	Standard																
STD OXK94	Standard																
STD OXK94	Standard																
STD OXK94	Standard																
STD OXK94	Standard																
STD OXK94 Expected																	
STD OXG99 Expected																	
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.07	0.03		0.021	
STD DS9 Expected		0.0819	13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	5.3	0.2	4.59	0.1615	2.5
BLK	Blank																
BLK	Blank																

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Client: **West Cirque Resources**
530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 24, 2012

QUALITY CONTROL REPORT SMI12000070.1

		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
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BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		0.006																		
BLK	Blank		<0.005																		
BLK	Blank		0.006																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	6	<2	<2	<1	<0.5	<3	5	<1	<0.01
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
Prep Wash																					
G1-SMI	Prep Blank	<0.01	<0.005	<1	3	<3	50	<0.3	4	2	623	2.18	<2	<2	6	61	<0.5	<3	<3	45	0.56
G1-SMI	Prep Blank	<0.01	<0.005	<1	3	<3	49	<0.3	3	2	587	2.13	<2	<2	4	68	<0.5	<3	<3	44	0.60

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530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 24, 2012

QUALITY CONTROL REPORT SMI12000070.1

		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5
BLK	Blank																
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BLK	Blank																
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<5	<1	<5	<0.05	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<5	<1	<5	<0.05	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<5	<1	<5	<0.05	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<5	<1	<5	<0.05	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<5	<1	<5	<0.05	<5
Prep Wash																	
G1-SMI	Prep Blank	0.090	13	12	0.63	205	0.143	<20	1.05	0.12	0.57	<2	<5	<1	<5	<0.05	<5
G1-SMI	Prep Blank	0.087	15	13	0.60	187	0.142	<20	1.09	0.14	0.56	<2	<5	<1	<5	<0.05	<5

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Client: **West Cirque Resources**
530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Submitted By:	John Bradford
Receiving Lab:	Canada-Smithers
Received:	July 12, 2012
Report Date:	July 30, 2012
Page:	1 of 8

CERTIFICATE OF ANALYSIS SMI12000082.1

CLIENT JOB INFORMATION

Project:	None Given
Shipment ID:	
P.O. Number	
Number of Samples:	204

SAMPLE DISPOSAL

STOR-PLP	Store After 90 days Invoice for Storage
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	200	Crush, split and pulverize 250 g rock to 200 mesh			SMI
G601	204	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
1D01	204	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: West Cirque Resources
530 - 510 Burrard Street
Vancouver BC V6C 3A8
Canada

CC: Nigel Luckman

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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530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 30, 2012

CERTIFICATE OF ANALYSIS SMI12000082.1

	Method	WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
G1-SMI	Prep Blank	<0.01	0.006	<1	1	3	45	<0.3	2	3	535	1.86	<2	<2	5	56	<0.5	<3	<3	37	0.46
G1-SMI	Prep Blank	<0.01	0.008	<1	2	<3	48	<0.3	2	3	576	2.04	<2	<2	6	70	<0.5	<3	<3	40	0.53
1935874	Drill Core	1.92	0.394	8	1211	7	13	0.9	3	8	784	4.02	12	<2	<2	36	0.5	<3	<3	13	3.18
1935875	Drill Core	1.80	0.527	9	1112	5	12	1.0	3	8	771	4.29	15	<2	2	37	<0.5	<3	<3	13	3.15
1935876	Drill Core	3.64	0.347	12	994	6	17	1.2	4	14	1269	3.59	21	<2	<2	71	<0.5	<3	<3	11	4.50
1935877	Drill Core	2.82	0.190	17	1124	7	32	0.8	2	8	779	3.02	13	<2	3	44	<0.5	<3	<3	22	2.62
1935878	Drill Core	2.28	0.478	30	1116	11	34	1.6	4	16	994	6.23	26	<2	3	42	0.7	<3	<3	25	2.60
1935879	Drill Core	4.25	0.768	15	567	20	<1	3.3	7	16	479	12.45	69	<2	<2	58	0.6	<3	<3	5	1.29
1935880	Drill Core	4.35	0.461	29	949	5	10	3.0	2	9	621	5.53	47	<2	<2	39	0.6	<3	<3	10	1.56
1935881	Drill Core	3.73	0.712	17	613	15	18	3.3	8	13	610	9.53	28	<2	<2	36	0.8	<3	4	17	1.79
1935882	Drill Core	3.83	0.603	15	1122	7	27	2.2	2	10	738	4.08	15	<2	2	38	<0.5	<3	4	23	2.32
1935883	Drill Core	3.97	0.322	24	1223	12	43	1.0	2	8	821	3.91	10	<2	3	47	<0.5	<3	<3	36	2.52
1935884	Drill Core	4.14	0.307	17	702	13	15	1.2	2	13	2181	3.16	15	<2	<2	93	<0.5	<3	<3	19	5.01
1935885	Drill Core	3.95	0.234	14	618	5	23	0.5	2	8	989	2.94	9	<2	3	34	<0.5	<3	<3	17	2.67
1935886	Drill Core	4.35	0.336	9	955	9	45	1.0	5	11	1014	6.51	14	<2	2	48	0.5	<3	<3	45	2.89
1935887	Drill Core	2.81	0.980	11	1552	9	55	4.9	2	8	813	4.70	5	<2	3	42	<0.5	<3	17	53	2.17
1935888	Drill Core	4.02	0.214	7	512	11	45	0.7	10	12	1525	4.54	9	<2	<2	61	<0.5	<3	<3	40	4.10
1935889	Drill Core	4.04	0.017	2	58	6	54	<0.3	28	15	1646	4.34	14	<2	<2	66	<0.5	<3	<3	52	4.68
1935890	Drill Core	4.06	0.029	3	198	18	99	<0.3	30	24	1464	6.56	40	<2	<2	60	0.6	<3	<3	138	3.86
1935891	Drill Core	4.20	0.005	1	54	13	70	<0.3	9	18	1350	5.33	10	<2	<2	66	<0.5	<3	<3	115	4.12
1935892	Drill Core	4.46	0.186	2	162	8	24	1.1	5	10	1072	6.29	42	<2	<2	51	<0.5	<3	<3	17	3.35
1935893	Drill Core	4.55	<0.005	2	56	8	39	<0.3	15	9	1240	3.24	11	<2	<2	69	<0.5	<3	<3	29	4.00
1935894	Drill Core	4.14	<0.005	1	127	9	70	<0.3	9	18	1202	4.81	3	<2	<2	69	0.6	<3	<3	131	4.26
1935895	Drill Core	4.70	<0.005	<1	5	13	83	<0.3	9	20	1590	4.84	3	<2	<2	83	0.6	<3	<3	137	4.46
1935896	Drill Core	3.98	<0.005	2	28	14	79	<0.3	36	21	1393	4.95	6	<2	<2	65	<0.5	<3	<3	111	4.12
1935897	Drill Core	4.29	<0.005	1	22	15	79	<0.3	56	26	1240	5.18	6	<2	<2	66	<0.5	<3	<3	118	3.94
1935898	Drill Core	4.28	0.102	2	47	11	70	<0.3	41	17	1146	5.97	7	<2	<2	52	<0.5	<3	<3	118	2.91
1935899	Drill Core	4.03	0.008	2	21	15	63	<0.3	24	11	1607	4.58	8	<2	<2	82	<0.5	<3	<3	65	4.45
1935900	Rock Pulp	0.07	0.747	414	>10000	6	74	4.4	36	11	487	3.03	17	<2	<2	43	0.8	<3	<3	55	0.84
1935901	Drill Core	4.28	0.009	3	15	4	48	<0.3	13	9	878	3.83	8	<2	<2	36	<0.5	<3	<3	31	2.35

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Project: None Given
Report Date: July 30, 2012

CERTIFICATE OF ANALYSIS SMI12000082.1

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
G1-SMI	Prep Blank	0.077	11	8	0.50	159	0.111	<20	0.87	0.09	0.47	<2	<0.05	<1	<5	<5	<5
G1-SMI	Prep Blank	0.081	12	7	0.53	172	0.121	<20	0.95	0.10	0.50	<2	<0.05	<1	<5	<5	<5
1935874	Drill Core	0.125	8	3	0.28	56	<0.001	<20	0.81	<0.01	0.36	<2	3.49	<1	<5	<5	<5
1935875	Drill Core	0.121	7	3	0.24	78	<0.001	<20	0.76	<0.01	0.38	<2	4.15	<1	<5	<5	<5
1935876	Drill Core	0.108	10	4	0.38	70	<0.001	<20	0.85	0.01	0.38	<2	3.15	<1	<5	<5	<5
1935877	Drill Core	0.114	7	2	0.64	203	<0.001	<20	1.17	0.01	0.36	<2	1.38	<1	<5	<5	<5
1935878	Drill Core	0.101	7	3	0.72	73	0.001	<20	1.31	0.02	0.33	<2	4.31	<1	<5	<5	<5
1935879	Drill Core	0.040	1	4	0.04	3	<0.001	<20	0.32	0.01	0.26	<2	>10	<1	<5	<5	<5
1935880	Drill Core	0.099	5	2	0.21	14	<0.001	<20	0.71	0.01	0.39	<2	5.35	<1	<5	<5	<5
1935881	Drill Core	0.087	3	2	0.28	6	<0.001	<20	0.69	0.02	0.32	<2	8.80	<1	<5	<5	<5
1935882	Drill Core	0.119	6	3	0.40	23	0.001	<20	0.90	0.02	0.39	<2	3.13	<1	<5	<5	<5
1935883	Drill Core	0.118	7	3	0.77	151	0.001	<20	1.36	0.03	0.37	<2	1.36	<1	<5	5	<5
1935884	Drill Core	0.088	8	2	1.30	50	<0.001	<20	0.90	0.02	0.33	<2	1.83	<1	<5	<5	<5
1935885	Drill Core	0.112	8	2	0.91	66	<0.001	<20	1.32	0.02	0.37	<2	1.46	<1	<5	<5	<5
1935886	Drill Core	0.112	6	3	1.21	112	0.002	<20	1.69	0.03	0.33	<2	1.89	<1	<5	6	<5
1935887	Drill Core	0.122	8	3	0.97	54	0.001	<20	1.50	0.04	0.32	<2	2.15	<1	<5	6	<5
1935888	Drill Core	0.158	11	12	1.30	172	0.002	<20	2.07	0.02	0.38	<2	1.54	<1	<5	7	<5
1935889	Drill Core	0.201	19	33	1.63	116	0.002	<20	2.57	0.02	0.37	<2	0.11	<1	<5	8	6
1935890	Drill Core	0.247	13	45	2.76	68	0.003	<20	3.43	0.04	0.22	<2	0.41	<1	<5	13	8
1935891	Drill Core	0.154	12	15	2.10	49	0.002	<20	2.92	0.03	0.35	<2	0.18	<1	<5	11	7
1935892	Drill Core	0.086	7	3	0.64	73	0.001	<20	1.25	0.02	0.36	<2	5.43	<1	<5	<5	<5
1935893	Drill Core	0.159	21	16	0.98	93	0.002	<20	2.00	0.04	0.40	<2	0.14	<1	<5	6	<5
1935894	Drill Core	0.112	10	25	2.43	66	0.056	<20	2.81	0.03	0.31	<2	<0.05	<1	<5	9	11
1935895	Drill Core	0.113	11	26	2.63	346	0.002	<20	2.95	0.03	0.29	3	<0.05	<1	<5	12	11
1935896	Drill Core	0.226	20	52	2.43	94	0.003	<20	2.96	0.04	0.25	<2	0.05	<1	<5	13	9
1935897	Drill Core	0.178	14	88	3.48	130	0.003	<20	3.56	0.03	0.20	<2	<0.05	<1	<5	14	10
1935898	Drill Core	0.223	18	62	3.11	55	0.003	<20	3.66	0.04	0.16	<2	<0.05	<1	<5	15	8
1935899	Drill Core	0.168	22	37	2.16	144	0.003	<20	2.94	0.05	0.19	<2	0.05	<1	<5	12	6
1935900	Rock Pulp	0.056	6	48	0.67	130	0.108	<20	1.35	0.11	0.13	33	0.85	<1	<5	<5	<5
1935901	Drill Core	0.138	22	16	1.65	28	0.002	<20	2.34	0.05	0.28	<2	0.11	<1	<5	8	<5

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Project: None Given
Report Date: July 30, 2012

CERTIFICATE OF ANALYSIS SMI12000082.1

	Method	WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1935902	Drill Core	4.29	0.092	34	171	17	51	<0.3	14	15	920	6.65	11	<2	<2	43	<0.5	<3	<3	88	2.40
1935903	Drill Core	4.35	<0.005	1	<1	7	57	<0.3	<1	11	1023	5.83	4	<2	<2	40	<0.5	<3	3	110	2.41
1935904	Drill Core	3.06	0.166	2	51	10	28	0.4	9	11	518	9.06	27	<2	<2	40	<0.5	<3	<3	47	1.17
1935905	Drill Core	4.14	0.336	4	166	13	43	0.7	7	15	526	8.96	81	<2	<2	40	<0.5	<3	<3	70	0.88
1935906	Drill Core	3.78	0.224	3	76	19	70	0.7	7	11	1069	7.77	18	<2	<2	57	<0.5	<3	5	88	2.25
1935907	Drill Core	3.78	0.311	1	549	8	90	0.4	5	17	1291	6.16	18	<2	2	68	<0.5	<3	<3	118	3.14
1935908	Drill Core	3.41	0.048	2	141	<3	81	<0.3	3	11	1003	5.16	12	<2	<2	39	<0.5	<3	4	74	2.70
1935909	Drill Core	3.90	0.198	3	458	8	82	0.4	3	20	987	7.52	21	<2	2	34	<0.5	<3	6	127	1.89
1935910	Drill Core	3.89	0.159	3	530	5	63	<0.3	4	16	1172	6.10	13	<2	2	50	<0.5	<3	10	123	3.10
1935911	Drill Core	3.90	0.942	2	94	7	25	1.6	8	13	638	12.74	78	<2	<2	37	<0.5	<3	7	39	1.70
1935912	Drill Core	5.28	0.891	2	63	14	4	1.9	3	10	300	20.93	139	<2	3	16	<0.5	<3	7	5	1.03
1935913	Drill Core	3.80	0.368	2	259	6	34	0.5	2	13	683	10.09	46	<2	<2	33	<0.5	<3	6	58	1.74
1935914	Drill Core	4.13	0.156	2	683	<3	52	0.4	3	16	1369	5.43	12	<2	<2	47	<0.5	<3	7	98	3.70
1935915	Drill Core	3.82	0.036	3	63	7	33	<0.3	<1	6	948	4.51	6	<2	2	35	<0.5	<3	<3	29	2.77
1935916	Drill Core	3.29	0.127	5	183	<3	25	0.5	2	8	1277	3.21	13	<2	3	71	<0.5	<3	<3	26	4.59
1935917	Drill Core	2.65	0.128	3	186	7	34	<0.3	2	6	831	3.41	7	<2	3	42	<0.5	<3	4	32	2.95
1935918	Drill Core	3.65	0.146	4	337	5	28	0.5	<1	6	990	4.69	9	<2	2	46	<0.5	<3	3	35	3.22
1935919	Drill Core	3.44	0.117	4	323	5	31	<0.3	2	5	1017	4.19	10	<2	3	44	<0.5	<3	3	50	2.75
1935920	Drill Core	4.27	0.137	9	249	7	24	<0.3	<1	6	792	4.03	30	<2	3	58	<0.5	<3	4	44	3.18
1935921	Drill Core	4.27	0.092	2	209	9	49	<0.3	18	21	856	5.11	52	<2	<2	83	<0.5	<3	3	112	2.91
1935922	Drill Core	2.92	<0.005	<1	19	7	61	<0.3	50	28	1231	4.81	4	<2	<2	136	<0.5	<3	4	122	5.58
1935923	Drill Core	4.53	<0.005	<1	17	4	62	<0.3	45	27	1275	4.67	5	<2	<2	176	<0.5	<3	<3	124	5.33
1935924	Drill Core	3.85	<0.005	<1	21	6	63	<0.3	46	26	1008	4.56	5	<2	<2	229	<0.5	<3	3	124	4.39
1935925	Rock	0.47	<0.005	<1	<1	<3	<1	<0.3	<1	<1	25	0.05	<2	<2	<2	5372	<0.5	<3	<3	1	35.50
1935926	Drill Core	3.65	<0.005	<1	13	12	68	<0.3	47	27	1574	4.79	4	<2	<2	108	<0.5	<3	<3	112	6.02
1935927	Drill Core	3.73	0.009	<1	84	7	63	<0.3	35	26	1412	5.16	7	<2	<2	108	<0.5	<3	<3	134	4.93
1935928	Drill Core	4.08	0.502	2	476	11	28	0.9	2	10	742	6.22	105	<2	3	41	<0.5	<3	12	18	3.26
1935929	Drill Core	3.24	0.118	2	171	7	37	0.7	2	14	668	4.15	9	<2	4	51	<0.5	<3	3	35	2.73
1935930	Drill Core	3.88	0.109	1	389	5	38	<0.3	1	24	657	4.67	13	<2	4	83	<0.5	<3	7	40	2.53
1935931	Drill Core	3.86	0.246	5	440	<3	27	1.0	1	9	450	4.79	17	<2	3	64	<0.5	<3	6	32	2.25

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	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1935902	Drill Core	0.188	11	18	2.28	39	0.002	<20	2.87	0.04	0.28	<2	2.45	<1	<5	12	7
1935903	Drill Core	0.192	15	2	2.67	59	0.003	<20	3.30	0.04	0.20	<2	<0.05	<1	<5	14	9
1935904	Drill Core	0.084	5	6	1.00	46	0.001	<20	1.59	0.03	0.30	<2	6.95	<1	<5	6	<5
1935905	Drill Core	0.137	6	6	1.31	44	0.001	<20	2.07	0.03	0.32	<2	6.29	<1	<5	8	6
1935906	Drill Core	0.178	8	2	2.22	140	0.002	<20	3.12	0.04	0.23	<2	2.77	<1	<5	13	7
1935907	Drill Core	0.145	8	12	1.94	263	0.004	<20	2.61	0.03	0.25	<2	1.59	<1	<5	10	11
1935908	Drill Core	0.188	11	7	1.53	120	0.004	<20	2.67	0.05	0.24	<2	0.50	<1	<5	12	7
1935909	Drill Core	0.140	6	12	2.60	191	0.005	<20	3.18	0.03	0.26	<2	2.35	<1	<5	11	12
1935910	Drill Core	0.149	8	13	2.02	243	0.005	<20	2.62	0.04	0.27	<2	1.47	<1	<5	11	11
1935911	Drill Core	0.085	5	12	0.88	21	0.001	<20	1.49	0.02	0.28	<2	9.92	1	<5	<5	<5
1935912	Drill Core	0.055	2	<1	0.09	22	<0.001	<20	0.39	0.01	0.26	<2	>10	<1	<5	<5	<5
1935913	Drill Core	0.101	5	7	1.17	53	0.002	<20	1.77	0.02	0.30	<2	7.33	<1	<5	6	6
1935914	Drill Core	0.146	9	9	2.09	91	0.004	<20	2.88	0.04	0.32	<2	1.05	<1	<5	10	12
1935915	Drill Core	0.204	16	<1	1.30	84	0.004	<20	2.48	0.03	0.31	<2	0.29	<1	<5	9	<5
1935916	Drill Core	0.115	8	2	0.68	318	<0.001	<20	1.23	0.03	0.30	<2	1.58	<1	<5	<5	<5
1935917	Drill Core	0.122	7	2	0.79	242	<0.001	<20	1.37	0.03	0.27	<2	1.32	<1	<5	<5	<5
1935918	Drill Core	0.058	5	2	0.93	114	<0.001	<20	1.56	0.04	0.27	<2	2.82	<1	<5	6	<5
1935919	Drill Core	0.069	6	3	1.13	229	0.001	<20	1.66	0.05	0.21	<2	1.90	<1	<5	9	5
1935920	Drill Core	0.086	7	2	0.79	273	0.001	<20	1.61	0.05	0.30	<2	1.72	<1	<5	8	<5
1935921	Drill Core	0.122	7	35	2.01	177	0.115	<20	2.78	0.14	0.25	<2	1.01	<1	<5	10	10
1935922	Drill Core	0.069	5	114	2.77	100	0.125	<20	3.62	0.19	0.21	<2	0.12	<1	<5	11	13
1935923	Drill Core	0.071	5	91	2.60	45	0.165	<20	4.33	0.28	0.20	<2	0.15	<1	<5	11	12
1935924	Drill Core	0.070	4	76	2.62	50	0.215	<20	4.88	0.37	0.16	<2	0.10	<1	<5	11	9
1935925	Rock	0.005	<1	<1	1.45	7	0.002	<20	0.05	0.01	<0.01	<2	0.07	<1	<5	<5	<5
1935926	Drill Core	0.067	5	98	2.82	35	0.176	<20	3.58	0.14	0.20	<2	0.14	<1	<5	10	12
1935927	Drill Core	0.096	6	83	2.79	60	0.196	<20	3.49	0.14	0.18	<2	0.57	<1	<5	11	14
1935928	Drill Core	0.119	6	2	0.46	103	0.001	<20	0.96	0.02	0.34	<2	5.68	<1	<5	<5	<5
1935929	Drill Core	0.129	7	3	0.79	206	0.002	<20	1.29	0.02	0.35	<2	2.98	<1	<5	6	<5
1935930	Drill Core	0.126	9	3	0.94	76	0.001	<20	1.38	0.04	0.30	<2	3.75	<1	<5	6	<5
1935931	Drill Core	0.118	6	2	0.93	132	0.002	<20	1.26	0.04	0.31	<2	4.74	1	<5	6	<5

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Project: None Given
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CERTIFICATE OF ANALYSIS SMI12000082.1

	Method	WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1935932	Drill Core	4.32	0.077	4	180	5	43	1.3	<1	3	408	2.81	8	<2	3	166	<0.5	<3	<3	18	2.74
1935933	Drill Core	4.11	0.056	2	171	<3	34	0.4	2	4	1039	2.97	14	<2	2	120	<0.5	<3	<3	26	6.75
1935934	Drill Core	3.60	0.046	4	73	<3	51	<0.3	2	4	704	3.05	11	<2	3	81	<0.5	<3	7	23	3.77
1935935	Drill Core	2.94	0.136	3	126	5	91	0.5	1	4	398	4.09	21	<2	3	50	0.8	<3	6	27	1.94
1935936	Drill Core	3.81	0.100	4	119	<3	44	<0.3	2	8	625	3.74	6	<2	2	72	<0.5	<3	3	62	2.45
1935937	Drill Core	4.44	0.217	3	102	5	23	0.7	2	5	461	5.00	36	<2	3	115	<0.5	<3	4	33	2.56
1935938	Drill Core	4.55	0.262	4	199	12	18	1.1	1	5	315	7.65	70	<2	3	89	<0.5	<3	3	18	1.73
1935939	Drill Core	4.18	0.348	6	238	7	25	0.8	2	9	618	5.01	21	<2	4	104	<0.5	<3	5	30	2.53
1935940	Drill Core	4.47	0.139	5	202	5	34	0.4	2	8	587	4.97	14	<2	3	105	<0.5	<3	<3	42	2.39
1935941	Drill Core	4.42	0.064	7	131	<3	34	0.3	2	8	671	3.81	8	<2	3	147	<0.5	<3	3	49	2.84
1935942	Drill Core	4.42	0.030	4	110	11	64	<0.3	25	17	1003	4.81	16	<2	<2	96	<0.5	<3	3	117	3.53
1935943	Drill Core	3.89	<0.005	<1	45	14	81	<0.3	44	22	1177	5.17	7	<2	<2	107	<0.5	<3	<3	132	4.24
1935944	Drill Core	3.87	0.006	1	32	13	74	<0.3	43	22	1066	5.20	12	<2	<2	102	<0.5	<3	<3	156	3.25
1935945	Drill Core	5.07	0.056	10	107	10	47	<0.3	10	15	650	4.49	12	<2	2	119	<0.5	<3	<3	76	2.25
1935946	Drill Core	3.54	0.155	19	216	9	34	1.6	2	13	546	4.59	11	<2	3	109	<0.5	<3	<3	37	2.10
1935947	Drill Core	4.51	0.109	21	179	<3	31	<0.3	2	9	496	4.77	7	<2	3	98	<0.5	<3	<3	35	1.85
1935948	Drill Core	4.48	0.057	3	132	11	34	<0.3	1	5	497	3.94	8	<2	<2	146	<0.5	<3	<3	79	3.34
1935949	Drill Core	4.35	0.078	2	191	4	48	<0.3	2	5	603	3.91	7	<2	<2	187	<0.5	<3	<3	87	3.41
1935950	Rock Pulp	0.08	0.467	325	5380	5	48	1.1	26	11	429	3.06	7	<2	<2	38	0.5	<3	<3	56	0.79
1935951	Drill Core	4.66	0.326	6	493	14	48	1.0	3	11	599	5.69	16	<2	<2	176	<0.5	<3	4	39	2.61
1935952	Drill Core	4.57	0.232	4	340	12	64	1.1	5	12	1138	5.89	15	<2	<2	174	<0.5	<3	<3	61	3.93
1935953	Drill Core	4.68	0.315	69	539	11	28	0.8	3	12	624	5.22	15	<2	<2	148	<0.5	<3	<3	16	2.87
1935954	Drill Core	4.27	0.187	10	304	14	15	<0.3	4	14	272	4.66	9	<2	<2	309	<0.5	<3	<3	13	3.48
1935955	Drill Core	4.72	0.603	7	394	10	36	<0.3	5	13	254	4.97	9	<2	<2	242	<0.5	<3	<3	29	2.67
1935956	Drill Core	4.42	0.223	6	265	8	67	<0.3	6	13	687	5.37	7	<2	<2	155	<0.5	<3	<3	78	2.84
1935957	Drill Core	3.48	0.161	3	298	13	66	0.6	30	23	1320	6.53	12	<2	<2	97	<0.5	<3	<3	71	4.08
1935958	Drill Core	3.11	0.180	5	206	14	65	1.9	6	17	1312	6.80	26	<2	<2	76	<0.5	<3	<3	26	3.07
1935959	Drill Core	2.64	0.044	<1	498	15	123	1.0	5	23	2367	5.47	29	<2	<2	69	<0.5	<3	<3	72	3.69
1935960	Drill Core	3.04	0.027	1	112	10	86	0.6	4	16	2157	4.90	19	<2	<2	88	<0.5	<3	<3	69	4.58
1935961	Drill Core	4.09	0.012	1	70	12	110	0.5	4	17	2318	4.43	16	<2	<2	94	<0.5	<3	<3	59	3.94

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	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1935932	Drill Core	0.076	4	2	0.52	136	0.001	<20	0.79	0.03	0.28	<2	3.57	4	<5	<5	<5
1935933	Drill Core	0.101	7	3	0.64	87	<0.001	<20	0.98	0.02	0.24	<2	3.59	<1	<5	<5	<5
1935934	Drill Core	0.114	6	2	0.80	201	<0.001	<20	1.17	0.02	0.24	<2	2.31	<1	<5	<5	<5
1935935	Drill Core	0.125	5	3	0.72	150	0.002	<20	1.00	0.04	0.27	<2	3.87	1	<5	<5	<5
1935936	Drill Core	0.134	8	6	1.38	161	0.021	<20	1.75	0.06	0.18	<2	1.61	<1	<5	7	<5
1935937	Drill Core	0.107	5	4	0.84	89	0.003	<20	1.21	0.03	0.28	<2	5.00	<1	<5	6	<5
1935938	Drill Core	0.110	3	2	0.71	57	0.002	<20	1.11	0.02	0.37	<2	7.38	<1	<5	<5	<5
1935939	Drill Core	0.116	6	3	0.79	57	0.002	<20	1.33	0.03	0.38	<2	4.29	1	<5	5	<5
1935940	Drill Core	0.116	6	3	0.97	86	0.003	<20	1.48	0.03	0.34	<2	3.52	<1	<5	6	<5
1935941	Drill Core	0.118	7	2	0.92	89	0.004	<20	1.51	0.05	0.31	<2	1.87	<1	<5	7	<5
1935942	Drill Core	0.140	9	34	1.99	178	0.076	<20	2.67	0.14	0.22	<2	0.79	<1	<5	8	11
1935943	Drill Core	0.138	11	55	2.67	238	0.088	<20	3.28	0.15	0.14	<2	0.10	<1	<5	10	12
1935944	Drill Core	0.149	11	54	2.61	147	0.113	<20	3.26	0.23	0.10	<2	0.07	<1	<5	9	14
1935945	Drill Core	0.122	7	14	1.45	126	0.015	<20	2.00	0.09	0.25	<2	2.10	<1	<5	8	6
1935946	Drill Core	0.116	5	3	0.85	31	0.003	<20	1.31	0.04	0.31	<2	4.41	<1	<5	<5	<5
1935947	Drill Core	0.114	4	4	1.14	77	0.002	<20	1.51	0.04	0.31	<2	4.84	<1	<5	6	<5
1935948	Drill Core	0.118	4	11	1.21	61	0.002	<20	1.33	0.03	0.23	<2	5.56	<1	<5	6	5
1935949	Drill Core	0.145	4	16	1.54	60	0.003	<20	1.64	0.04	0.19	<2	4.73	<1	<5	7	7
1935950	Rock Pulp	0.055	4	28	0.69	114	0.110	<20	1.42	0.10	0.14	18	0.67	<1	<5	<5	<5
1935951	Drill Core	0.127	4	6	0.97	18	0.001	<20	1.37	0.02	0.34	<2	5.84	<1	<5	5	<5
1935952	Drill Core	0.142	5	9	1.56	23	0.002	<20	1.96	0.02	0.34	<2	4.66	<1	<5	7	6
1935953	Drill Core	0.112	5	2	0.67	27	<0.001	<20	0.95	0.02	0.35	<2	5.52	<1	<5	<5	<5
1935954	Drill Core	0.124	3	4	0.56	17	0.001	<20	0.87	0.02	0.38	2	6.94	<1	<5	<5	<5
1935955	Drill Core	0.110	2	3	1.32	14	0.002	<20	1.40	0.02	0.30	<2	6.43	<1	<5	<5	<5
1935956	Drill Core	0.150	7	9	1.90	47	0.003	<20	2.64	0.04	0.34	<2	2.71	<1	<5	9	6
1935957	Drill Core	0.114	4	35	1.95	76	0.001	<20	2.27	0.02	0.27	<2	4.52	<1	<5	8	8
1935958	Drill Core	0.101	4	3	0.68	14	<0.001	<20	1.21	0.03	0.37	<2	6.87	<1	<5	<5	<5
1935959	Drill Core	0.133	6	3	1.78	58	0.001	<20	2.15	0.03	0.31	<2	4.27	<1	<5	6	9
1935960	Drill Core	0.156	10	6	1.68	82	0.003	<20	2.47	0.03	0.40	<2	2.29	<1	<5	8	8
1935961	Drill Core	0.129	7	3	1.45	201	0.002	<20	2.20	0.03	0.31	<2	1.81	<1	<5	7	6

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Method		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1935962	Drill Core	3.55	0.012	1	13	<3	46	<0.3	3	11	1434	3.23	7	<2	<2	124	<0.5	<3	<3	34	3.94
1935963	Drill Core	3.05	<0.005	<1	7	<3	38	<0.3	2	10	1266	3.18	2	<2	<2	182	<0.5	<3	<3	37	3.65
1935964	Drill Core	2.72	<0.005	<1	7	5	32	<0.3	2	9	1032	3.24	3	<2	<2	364	<0.5	<3	<3	40	2.93
1935965	Drill Core	4.72	<0.005	<1	8	7	22	<0.3	2	8	1531	2.93	<2	<2	<2	403	<0.5	<3	<3	29	4.28
1935966	Drill Core	4.76	0.007	1	22	6	15	<0.3	2	10	1618	2.54	7	<2	<2	167	<0.5	<3	<3	29	4.95
1935967	Drill Core	3.36	0.005	<1	10	<3	13	<0.3	2	11	2501	2.59	7	<2	<2	236	<0.5	<3	<3	21	6.00
1935968	Drill Core	3.67	0.006	<1	9	8	37	<0.3	3	18	1713	4.08	7	<2	<2	184	<0.5	<3	<3	53	4.54
1935969	Drill Core	4.60	0.008	3	67	8	31	<0.3	5	21	1557	4.02	20	<2	<2	95	<0.5	<3	<3	67	4.82
1935970	Drill Core	3.85	<0.005	2	163	16	42	<0.3	6	22	1400	5.46	10	<2	<2	89	<0.5	<3	<3	117	4.53
1935971	Drill Core	3.89	<0.005	1	195	8	70	<0.3	11	20	1098	5.23	<2	<2	<2	87	<0.5	<3	<3	130	3.63
1935972	Drill Core	4.22	<0.005	3	18	6	91	<0.3	15	19	1290	4.83	2	<2	<2	137	<0.5	<3	<3	119	3.23
1935973	Drill Core	4.25	<0.005	1	118	8	84	<0.3	9	22	1368	5.19	<2	<2	<2	113	<0.5	<3	<3	148	3.47
1935974	Drill Core	1.09	<0.005	<1	256	10	86	<0.3	6	26	1276	6.17	16	<2	<2	81	<0.5	<3	<3	148	2.87
1935975	Drill Core	1.09	<0.005	<1	237	11	84	<0.3	7	27	1261	6.10	20	<2	<2	75	<0.5	<3	<3	143	2.86
1935976	Drill Core	3.92	0.072	1	403	8	143	0.5	9	29	1638	6.88	27	<2	<2	10	<0.5	<3	<3	124	0.48
1935977	Drill Core	4.06	0.033	<1	166	7	93	0.6	5	24	1159	6.96	12	<2	<2	30	<0.5	<3	5	95	0.39
1935978	Drill Core	3.98	0.011	1	262	6	67	<0.3	4	15	1239	4.67	11	<2	<2	59	<0.5	<3	<3	60	1.69
1935979	Drill Core	3.86	0.218	2	262	3	36	0.3	4	14	1219	4.58	11	<2	<2	53	<0.5	<3	4	43	3.22
1935980	Drill Core	3.36	0.115	2	133	8	49	0.4	10	14	909	4.90	16	<2	<2	49	<0.5	<3	4	35	2.76
1935981	Drill Core	4.15	<0.005	2	50	6	36	<0.3	2	8	819	2.18	4	<2	4	65	<0.5	<3	<3	19	3.30
1935982	Drill Core	3.46	0.073	5	398	5	38	<0.3	4	9	395	3.86	9	<2	2	33	<0.5	<3	5	24	0.93
1935983	Drill Core	4.61	0.192	14	580	8	23	0.7	4	12	523	4.41	10	<2	3	37	<0.5	<3	4	17	0.98
1935984	Drill Core	4.09	0.161	11	416	6	37	0.5	6	10	745	4.16	17	<2	3	43	<0.5	<3	3	19	2.11
1935985	Drill Core	3.60	0.196	8	477	8	27	1.1	7	16	758	5.93	37	<2	2	43	<0.5	<3	7	25	2.43
1935986	Drill Core	3.42	0.443	26	418	<3	8	2.5	4	14	355	6.15	14	<2	2	25	<0.5	<3	10	7	1.26
1935987	Drill Core	3.89	0.564	19	262	6	13	1.4	3	12	481	4.39	10	<2	2	35	<0.5	<3	6	10	1.72
1935988	Drill Core	3.75	0.114	20	547	5	38	<0.3	3	8	706	3.82	9	<2	3	30	<0.5	<3	4	29	1.92
1935989	Drill Core	4.82	1.421	27	610	6	12	3.9	3	12	1009	6.34	34	<2	<2	54	<0.5	<3	15	11	3.63
1935990	Drill Core	2.61	0.131	16	412	3	36	0.8	3	9	655	4.39	4	<2	3	24	<0.5	<3	<3	35	1.59
1935991	Drill Core	3.36	0.086	11	264	<3	33	0.5	2	10	685	4.55	3	<2	3	25	<0.5	<3	5	39	1.58

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	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1935962	Drill Core	0.118	11	4	0.81	480	0.001	<20	1.65	0.03	0.41	<2	0.59	<1	<5	<5	<5
1935963	Drill Core	0.139	13	2	1.00	1096	0.002	<20	1.48	0.04	0.32	<2	<0.05	<1	<5	5	5
1935964	Drill Core	0.140	12	3	1.07	2833	0.002	<20	1.47	0.05	0.35	<2	0.09	<1	<5	<5	6
1935965	Drill Core	0.139	13	3	1.04	2844	0.001	<20	1.13	0.04	0.35	<2	0.09	<1	<5	<5	6
1935966	Drill Core	0.183	13	2	0.51	952	0.001	<20	1.29	0.03	0.46	<2	0.13	<1	<5	<5	6
1935967	Drill Core	0.149	13	<1	0.49	1801	<0.001	<20	1.10	0.02	0.37	<2	0.21	<1	<5	<5	<5
1935968	Drill Core	0.127	7	2	1.77	1185	0.003	<20	2.28	0.03	0.29	<2	0.24	<1	<5	7	9
1935969	Drill Core	0.127	6	3	1.59	142	0.003	<20	2.19	0.04	0.27	<2	0.62	<1	<5	7	12
1935970	Drill Core	0.136	6	6	2.01	324	0.003	<20	2.92	0.05	0.29	<2	0.51	<1	<5	10	14
1935971	Drill Core	0.146	10	16	1.98	511	0.005	<20	2.49	0.07	0.17	<2	<0.05	<1	<5	10	12
1935972	Drill Core	0.152	14	27	2.18	1255	0.008	<20	2.66	0.10	0.12	<2	<0.05	<1	<5	13	9
1935973	Drill Core	0.147	9	14	1.92	813	0.020	<20	2.48	0.08	0.16	<2	<0.05	<1	<5	10	15
1935974	Drill Core	0.141	5	3	2.10	452	0.004	<20	3.01	0.07	0.27	<2	0.79	<1	<5	10	14
1935975	Drill Core	0.145	5	3	2.06	353	0.004	<20	2.90	0.06	0.22	<2	0.90	<1	<5	10	13
1935976	Drill Core	0.139	3	3	2.22	51	0.002	<20	2.24	0.02	0.30	<2	6.10	<1	<5	6	13
1935977	Drill Core	0.122	3	2	1.76	75	<0.001	<20	1.73	0.03	0.28	<2	5.47	<1	<5	<5	10
1935978	Drill Core	0.162	9	5	1.10	229	<0.001	<20	1.89	0.04	0.31	<2	0.58	<1	<5	7	7
1935979	Drill Core	0.127	8	5	0.86	79	0.001	<20	1.64	0.02	0.32	<2	2.44	<1	<5	6	5
1935980	Drill Core	0.120	8	11	0.95	97	0.002	<20	1.85	0.03	0.32	<2	2.59	<1	<5	6	<5
1935981	Drill Core	0.083	18	3	0.75	591	0.001	<20	1.49	0.03	0.29	<2	0.11	<1	<5	<5	<5
1935982	Drill Core	0.102	8	3	0.58	167	<0.001	<20	1.18	0.04	0.35	<2	1.75	<1	<5	<5	<5
1935983	Drill Core	0.093	6	3	0.35	100	<0.001	<20	0.95	0.04	0.43	<2	2.72	<1	<5	<5	<5
1935984	Drill Core	0.098	7	4	0.68	201	0.001	<20	1.40	0.02	0.31	<2	2.29	<1	<5	<5	<5
1935985	Drill Core	0.125	7	4	0.55	27	0.001	<20	1.26	0.02	0.39	<2	4.70	<1	<5	<5	<5
1935986	Drill Core	0.107	5	1	0.16	62	<0.001	<20	0.58	0.02	0.32	<2	5.90	2	<5	<5	<5
1935987	Drill Core	0.116	7	2	0.25	79	<0.001	<20	0.78	0.03	0.37	<2	3.79	<1	<5	<5	<5
1935988	Drill Core	0.122	9	2	0.87	220	<0.001	<20	1.59	0.02	0.32	<2	1.70	<1	<5	<5	<5
1935989	Drill Core	0.088	6	3	0.32	15	<0.001	<20	0.74	0.02	0.32	<2	6.13	<1	<5	<5	<5
1935990	Drill Core	0.116	6	2	0.95	60	0.001	<20	1.46	0.03	0.31	<2	2.95	<1	<5	6	<5
1935991	Drill Core	0.119	7	3	0.86	59	0.001	<20	1.37	0.04	0.33	<2	3.46	<1	<5	5	<5

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Project: None Given
Report Date: July 30, 2012

CERTIFICATE OF ANALYSIS SMI12000082.1

	Method	WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1935992	Drill Core	3.76	0.258	16	1028	<3	18	1.0	2	10	522	6.26	2	<2	3	18	<0.5	<3	8	19	1.12
1935993	Drill Core	3.29	0.195	10	476	4	7	0.5	2	11	324	3.95	7	<2	5	24	<0.5	<3	4	10	1.04
1935994	Drill Core	4.39	0.045	6	254	3	11	<0.3	2	5	648	1.81	14	<2	7	44	<0.5	<3	<3	7	2.36
1935995	Drill Core	4.36	0.099	10	503	6	18	<0.3	2	5	711	2.15	9	<2	7	40	<0.5	<3	<3	14	2.38
1935996	Drill Core	3.46	<0.005	<1	3	<3	<1	<0.3	1	<1	526	0.21	3	<2	10	41	<0.5	<3	<3	<1	2.10
1935997	Drill Core	3.81	0.006	1	7	6	<1	<0.3	<1	1	725	0.27	6	<2	11	45	<0.5	<3	<3	<1	3.01
1935998	Drill Core	4.47	<0.005	<1	15	<3	<1	<0.3	<1	<1	493	0.22	5	<2	11	27	<0.5	<3	<3	<1	2.00
1935999	Drill Core	3.70	0.008	<1	42	<3	<1	<0.3	<1	<1	492	0.28	7	<2	12	30	<0.5	<3	5	<1	2.06
1936001	Drill Core	3.22	0.031	2	1223	<3	51	<0.3	7	17	1281	3.75	11	<2	<2	124	<0.5	<3	<3	52	4.70
1936002	Drill Core	3.57	<0.005	1	1	<3	73	<0.3	5	16	1111	4.58	3	<2	<2	88	<0.5	<3	4	83	3.61
1936003	Drill Core	3.50	0.005	1	54	<3	70	<0.3	7	15	1052	4.53	2	<2	<2	70	<0.5	<3	<3	73	3.67
1936004	Drill Core	1.83	<0.005	1	11	4	79	<0.3	5	18	1021	4.74	<2	<2	<2	57	<0.5	<3	<3	78	3.27
1936005	Drill Core	0.63	<0.005	2	20	<3	76	<0.3	5	16	1509	4.34	<2	<2	<2	72	<0.5	<3	<3	59	4.96
1936006	Drill Core	2.30	0.012	2	24	<3	28	<0.3	2	9	1094	2.22	12	<2	5	53	<0.5	<3	<3	19	3.91
1936007	Drill Core	3.10	0.006	1	5	<3	2	<0.3	<1	2	457	0.57	3	<2	10	44	<0.5	<3	<3	1	1.56
1936008	Drill Core	2.72	0.009	2	5	<3	5	<0.3	2	3	611	0.78	6	<2	8	26	<0.5	<3	<3	<1	2.25
1936009	Drill Core	4.43	1.969	6	256	9	8	1.7	6	13	770	12.85	82	<2	3	36	<0.5	<3	6	10	2.21
1936010	Drill Core	2.99	0.256	9	315	3	26	1.3	25	15	680	6.90	35	<2	2	38	<0.5	<3	7	19	1.85
1936011	Drill Core	4.33	0.123	8	178	4	22	1.4	2	10	921	4.53	25	<2	2	35	<0.5	<3	6	15	2.43
1936012	Drill Core	4.33	0.358	10	431	7	8	2.4	3	11	575	6.02	50	<2	2	22	0.7	<3	12	15	1.73
1936013	Drill Core	4.16	0.576	19	371	14	12	4.0	2	12	625	7.05	31	<2	<2	20	0.9	<3	12	15	1.48
1936014	Drill Core	4.59	0.121	9	131	4	7	0.7	2	10	1270	3.21	11	<2	<2	52	0.6	<3	<3	14	3.87
1936015	Drill Core	4.43	0.319	10	188	10	11	0.8	2	7	884	5.39	30	<2	<2	34	1.0	<3	8	16	2.54
1936016	Drill Core	4.10	0.475	10	217	11	16	1.0	2	5	1154	4.01	10	<2	<2	51	0.6	<3	<3	20	3.14
1936017	Drill Core	2.20	0.910	15	232	9	6	6.1	2	7	666	6.30	58	<2	2	32	0.8	<3	9	12	2.30
1936018	Drill Core	2.22	1.397	7	689	27	8	9.6	3	5	461	14.55	109	<2	<2	18	1.1	<3	18	19	1.33
1936019	Drill Core	2.62	1.626	17	416	21	1	6.0	3	4	200	13.40	149	<2	<2	13	1.2	<3	20	16	0.75
1936020	Drill Core	3.22	6.172	4	563	68	<1	19.9	2	4	376	34.75	447	3	<2	16	5.6	<3	35	26	1.22
1936021	Drill Core	3.03	5.770	6	221	59	8	15.2	3	2	333	30.50	330	4	<2	16	4.7	<3	17	26	1.19
1936022	Drill Core	2.76	2.705	12	357	21	12	5.7	3	11	437	10.39	62	<2	<2	20	0.8	<3	8	16	1.29

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Project: None Given
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CERTIFICATE OF ANALYSIS SMI12000082.1

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1935992	Drill Core	0.117	6	2	0.40	34	0.001	<20	0.95	0.02	0.37	<2	5.51	<1	<5	<5	<5
1935993	Drill Core	0.106	7	2	0.18	60	<0.001	<20	0.63	0.02	0.37	<2	3.49	<1	<5	<5	<5
1935994	Drill Core	0.049	9	2	0.21	275	<0.001	<20	0.70	0.01	0.32	<2	1.02	<1	<5	<5	<5
1935995	Drill Core	0.061	11	3	0.37	576	<0.001	<20	0.96	0.02	0.35	<2	0.84	<1	<5	<5	<5
1935996	Drill Core	0.007	21	2	0.02	284	<0.001	<20	0.31	0.02	0.28	<2	<0.05	<1	<5	<5	<5
1935997	Drill Core	0.007	24	2	0.03	237	<0.001	<20	0.35	0.02	0.28	<2	<0.05	<1	<5	<5	<5
1935998	Drill Core	0.006	21	2	0.02	79	<0.001	<20	0.33	0.01	0.31	<2	<0.05	<1	<5	<5	<5
1935999	Drill Core	0.007	23	3	0.03	59	<0.001	<20	0.35	0.01	0.31	<2	<0.05	<1	<5	<5	<5
1936001	Drill Core	0.161	14	10	1.00	1733	0.003	<20	1.82	0.02	0.33	<2	0.27	<1	<5	6	5
1936002	Drill Core	0.173	16	11	1.85	1306	0.005	<20	2.57	0.05	0.26	<2	0.06	<1	<5	9	7
1936003	Drill Core	0.174	18	11	1.70	375	0.004	<20	2.53	0.03	0.28	<2	<0.05	<1	<5	9	6
1936004	Drill Core	0.180	18	10	1.75	223	0.004	<20	2.77	0.04	0.28	<2	<0.05	<1	<5	9	6
1936005	Drill Core	0.171	17	8	1.53	308	0.002	<20	2.58	0.02	0.24	<2	<0.05	<1	<5	8	<5
1936006	Drill Core	0.072	18	5	0.59	391	<0.001	<20	1.31	0.02	0.27	<2	0.10	<1	<5	<5	<5
1936007	Drill Core	0.009	21	3	0.08	1007	<0.001	<20	0.43	0.02	0.27	<2	0.06	<1	<5	<5	<5
1936008	Drill Core	0.007	19	4	0.15	89	<0.001	<20	0.55	0.01	0.26	<2	0.05	<1	<5	<5	<5
1936009	Drill Core	0.070	5	5	0.24	12	<0.001	<20	0.72	0.01	0.28	<2	>10	<1	<5	<5	<5
1936010	Drill Core	0.110	6	22	0.61	44	<0.001	<20	1.39	0.01	0.37	<2	4.85	<1	<5	<5	<5
1936011	Drill Core	0.114	7	2	0.63	120	<0.001	<20	1.32	0.01	0.35	<2	2.88	<1	<5	<5	<5
1936012	Drill Core	0.113	4	<1	0.38	22	<0.001	<20	0.91	<0.01	0.32	<2	5.80	3	<5	<5	<5
1936013	Drill Core	0.114	4	1	0.29	18	<0.001	<20	0.83	<0.01	0.32	<2	7.00	2	<5	5	<5
1936014	Drill Core	0.114	7	<1	0.48	50	<0.001	<20	1.16	<0.01	0.40	<2	2.04	2	<5	<5	<5
1936015	Drill Core	0.115	4	<1	0.44	38	<0.001	<20	0.96	<0.01	0.33	<2	4.93	2	<5	<5	<5
1936016	Drill Core	0.119	5	2	0.63	72	<0.001	<20	1.46	<0.01	0.36	<2	2.34	<1	<5	<5	<5
1936017	Drill Core	0.102	2	<1	0.18	30	<0.001	<20	0.58	<0.01	0.32	2	6.96	1	<5	<5	<5
1936018	Drill Core	0.080	<1	<1	0.26	7	<0.001	<20	0.60	<0.01	0.22	<2	>10	3	<5	<5	<5
1936019	Drill Core	0.091	<1	<1	0.05	7	<0.001	<20	0.42	<0.01	0.30	<2	>10	2	<5	<5	<5
1936020	Drill Core	0.017	<1	<1	0.01	4	<0.001	40	0.05	<0.01	0.03	<2	>10	3	<5	<5	<5
1936021	Drill Core	0.029	<1	<1	0.05	6	<0.001	30	0.22	<0.01	0.13	<2	>10	2	<5	<5	<5
1936022	Drill Core	0.088	2	2	0.13	24	<0.001	<20	0.51	<0.01	0.29	<2	>10	<1	<5	<5	<5

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Method		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte		**Wgt**	**Au**	**Mo**	**Cu**	**Pb**	**Zn**	**Ag**	**Ni**	**Co**	**Mn**	**Fe**	**As**	**Au**	**Th**	**Sr**	**Cd**	**Sb**	**Bi**	**V**	**Ca**
Unit		**kg**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**
MDL		**0.01**	**0.005**	**1**	**1**	**3**	**1**	**0.3**	**1**	**1**	**2**	**0.01**	**2**	**2**	**2**	**1**	**0.5**	**3**	**3**	**1**	**0.01**
1936023	Drill Core	4.39	0.458	13	398	12	8	2.8	2	5	956	5.36	33	<2	<2	38	0.7	<3	10	14	2.63
1936024	Drill Core	3.90	0.240	28	249	<3	12	1.6	2	6	731	4.16	18	<2	2	31	0.7	<3	11	14	2.44
1936025	Rock	0.71	0.005	<1	<1	<3	<1	<0.3	<1	<1	25	0.04	<2	<2	<2	3940	<0.5	<3	4	<1	34.91
1936026	Drill Core	4.18	0.572	18	654	7	10	3.9	2	8	1427	5.40	35	<2	<2	53	0.7	<3	8	13	4.29
1936027	Drill Core	3.71	1.253	16	455	10	7	2.9	3	11	553	9.12	49	<2	<2	28	0.7	<3	10	15	1.92
1936028	Drill Core	4.13	0.960	39	419	11	5	4.3	2	7	371	6.73	37	<2	<2	24	<0.5	<3	10	12	0.74
1936029	Drill Core	2.93	0.280	16	187	<3	18	5.7	2	7	1065	5.20	33	<2	<2	42	0.6	<3	<3	17	2.31
1936030	Drill Core	3.84	0.080	29	103	<3	16	0.5	2	6	1223	4.13	21	<2	3	40	0.5	<3	4	20	3.01
1936031	Drill Core	3.51	0.149	29	183	6	8	2.1	2	7	942	3.78	23	<2	<2	40	<0.5	<3	<3	12	2.94
1936032	Drill Core	2.66	0.151	36	302	7	18	1.2	3	9	922	5.12	30	<2	<2	37	0.6	<3	10	14	2.03
1936033	Drill Core	2.59	0.301	23	645	7	26	1.3	2	12	999	5.39	25	<2	2	29	0.7	<3	10	24	1.99
1936034	Drill Core	2.90	0.163	12	609	5	21	1.1	2	8	1410	4.19	12	<2	3	35	<0.5	<3	<3	19	2.33
1936035	Drill Core	2.56	0.106	21	432	<3	29	0.3	2	7	1020	4.08	12	<2	3	32	0.6	<3	4	23	2.37
1936036	Drill Core	2.76	0.152	24	265	7	21	0.4	2	8	1025	4.97	12	<2	<2	40	0.6	<3	5	17	2.41
1936037	Drill Core	2.79	0.341	13	368	4	20	0.5	2	10	1128	5.21	20	<2	2	43	0.8	<3	<3	15	2.67
1936038	Drill Core	3.99	0.986	12	430	<3	17	5.4	2	9	979	8.56	57	<2	<2	35	0.7	<3	3	17	2.44
1936039	Drill Core	3.48	1.358	14	450	18	13	5.1	2	9	459	10.74	88	<2	<2	21	0.7	<3	13	15	0.94
1936040	Drill Core	3.93	0.230	11	142	<3	17	0.7	2	10	822	4.90	32	<2	<2	30	<0.5	<3	7	17	1.76
1936041	Drill Core	3.30	0.102	9	112	<3	29	<0.3	1	7	1213	4.05	21	<2	4	39	<0.5	<3	3	19	2.27
1936042	Drill Core	3.53	0.141	15	231	<3	33	<0.3	2	8	1123	4.95	17	<2	3	29	0.5	<3	7	29	2.17
1936043	Drill Core	3.75	0.131	7	230	<3	8	<0.3	<1	5	673	2.46	11	<2	6	31	<0.5	<3	<3	9	1.98
1936044	Drill Core	4.29	0.007	2	85	<3	<1	<0.3	<1	<1	693	0.36	<2	<2	10	39	<0.5	<3	<3	<1	2.47
1936045	Drill Core	4.14	0.400	6	254	<3	5	<0.3	<1	6	699	1.45	25	<2	8	36	<0.5	<3	<3	3	2.32
1936046	Drill Core	3.82	0.010	8	143	<3	9	<0.3	<1	1	524	1.28	8	<2	10	20	<0.5	4	<3	5	1.44
1936047	Drill Core	4.01	0.175	5	322	9	38	0.8	8	13	744	6.14	50	<2	<2	31	<0.5	<3	10	33	2.08
1936048	Drill Core	4.12	0.161	3	146	5	26	0.4	2	10	522	6.25	28	<2	<2	14	<0.5	<3	6	24	1.04
1936049	Drill Core	4.83	0.290	2	228	<3	21	1.0	3	10	494	6.01	19	<2	3	15	<0.5	<3	7	18	1.00
1936050	Rock Pulp	0.08	0.733	441	>10000	8	73	4.5	37	10	477	3.06	15	<2	<2	43	0.6	<3	4	57	0.85
1936051	Drill Core	3.52	0.215	3	112	6	37	0.5	8	14	1128	5.81	16	<2	<2	43	<0.5	<3	11	36	3.14
1936052	Drill Core	4.72	0.127	4	239	8	65	0.9	26	21	1331	5.15	19	<2	<2	67	0.7	<3	<3	53	4.57

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530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 30, 2012

CERTIFICATE OF ANALYSIS SMI12000082.1

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1936023	Drill Core	0.117	5	<1	0.43	18	<0.001	<20	0.86	<0.01	0.37	<2	5.34	<1	<5	<5	<5
1936024	Drill Core	0.127	5	1	0.47	32	<0.001	<20	1.03	<0.01	0.36	<2	3.44	2	<5	<5	<5
1936025	Rock	0.003	<1	<1	1.75	10	<0.001	<20	0.05	<0.01	0.01	5	0.06	3	5	5	<5
1936026	Drill Core	0.107	6	<1	0.36	22	<0.001	<20	0.89	<0.01	0.33	2	5.41	2	<5	<5	<5
1936027	Drill Core	0.107	4	<1	0.23	15	<0.001	<20	0.64	<0.01	0.31	<2	9.49	1	<5	<5	<5
1936028	Drill Core	0.092	7	1	0.16	30	<0.001	<20	0.60	0.01	0.34	<2	6.65	2	<5	<5	<5
1936029	Drill Core	0.113	5	<1	0.59	20	<0.001	<20	1.16	0.01	0.39	<2	4.04	<1	7	<5	<5
1936030	Drill Core	0.118	8	<1	0.73	30	<0.001	<20	1.39	0.02	0.36	<2	2.81	1	<5	<5	<5
1936031	Drill Core	0.116	6	<1	0.30	62	<0.001	<20	0.78	0.01	0.38	<2	3.42	<1	<5	<5	<5
1936032	Drill Core	0.109	4	<1	0.42	18	<0.001	<20	0.89	0.01	0.35	<2	4.64	2	<5	<5	<5
1936033	Drill Core	0.116	4	<1	0.72	25	<0.001	<20	1.25	0.02	0.33	<2	4.35	1	<5	<5	<5
1936034	Drill Core	0.108	7	<1	0.55	40	<0.001	<20	1.10	0.02	0.33	<2	2.88	<1	<5	<5	<5
1936035	Drill Core	0.122	7	1	0.86	49	<0.001	<20	1.49	0.01	0.32	<2	2.28	<1	<5	<5	<5
1936036	Drill Core	0.117	7	<1	0.51	53	<0.001	<20	1.11	0.01	0.34	<2	3.87	<1	<5	<5	<5
1936037	Drill Core	0.111	6	<1	0.39	38	<0.001	<20	0.97	0.01	0.33	<2	4.41	<1	<5	<5	<5
1936038	Drill Core	0.100	5	<1	0.38	8	<0.001	<20	0.89	<0.01	0.33	<2	7.99	<1	<5	<5	<5
1936039	Drill Core	0.099	3	<1	0.11	7	<0.001	<20	0.56	0.01	0.31	<2	>10	<1	<5	<5	<5
1936040	Drill Core	0.112	6	<1	0.66	37	<0.001	<20	1.13	0.01	0.35	<2	4.07	<1	<5	<5	<5
1936041	Drill Core	0.085	8	1	0.84	51	<0.001	<20	1.37	0.02	0.28	<2	2.47	<1	<5	<5	<5
1936042	Drill Core	0.113	6	<1	1.01	31	0.001	<20	1.70	0.01	0.32	<2	3.21	<1	<5	<5	<5
1936043	Drill Core	0.051	7	<1	0.33	106	<0.001	<20	0.69	0.01	0.29	<2	1.96	<1	<5	<5	<5
1936044	Drill Core	0.006	20	1	0.06	19	<0.001	<20	0.37	<0.01	0.29	<2	<0.05	<1	<5	<5	<5
1936045	Drill Core	0.026	10	2	0.17	46	<0.001	<20	0.52	<0.01	0.30	<2	1.11	<1	<5	<5	<5
1936046	Drill Core	0.023	14	<1	0.43	33	<0.001	<20	0.79	0.01	0.30	3	0.29	<1	<5	<5	<5
1936047	Drill Core	0.115	6	16	1.11	83	0.003	<20	1.88	0.02	0.44	<2	4.76	<1	<5	6	<5
1936048	Drill Core	0.122	7	1	1.10	73	0.002	<20	1.77	0.01	0.46	<2	5.09	<1	<5	<5	<5
1936049	Drill Core	0.126	9	2	0.89	92	0.002	<20	1.42	0.02	0.42	<2	5.48	<1	<5	<5	<5
1936050	Rock Pulp	0.057	7	51	0.70	136	0.117	<20	1.39	0.11	0.13	23	0.84	<1	<5	<5	<5
1936051	Drill Core	0.118	8	15	1.46	135	0.002	<20	2.13	0.02	0.40	<2	4.12	<1	<5	6	<5
1936052	Drill Core	0.096	7	49	1.62	139	0.002	<20	2.27	0.03	0.37	<2	2.44	<1	<5	8	6

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Project: None Given
Report Date: July 30, 2012

CERTIFICATE OF ANALYSIS SMI12000082.1

	Method	WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1936053	Drill Core	3.46	0.166	11	496	<3	36	0.7	3	8	620	4.65	5	<2	<2	24	<0.5	<3	7	41	1.96
1936054	Drill Core	3.35	0.131	18	597	<3	40	<0.3	2	6	616	4.42	5	<2	3	30	<0.5	<3	5	60	1.74
1936055	Drill Core	3.20	0.202	8	635	<3	41	<0.3	2	8	595	4.37	3	<2	3	20	<0.5	<3	5	53	1.43
1936056	Drill Core	4.47	0.282	4	375	<3	44	0.5	7	14	885	5.69	5	<2	<2	50	<0.5	<3	6	68	3.32
1936057	Drill Core	3.38	0.141	7	415	<3	38	<0.3	4	11	784	4.58	10	<2	<2	35	<0.5	<3	6	59	2.78
1936058	Drill Core	3.91	0.072	6	1253	4	43	<0.3	26	16	865	4.51	10	<2	<2	85	0.6	<3	<3	74	3.45
1936059	Drill Core	4.46	0.099	14	358	6	52	<0.3	51	24	986	5.07	33	<2	<2	57	0.6	<3	4	98	3.93
1936060	Drill Core	4.57	0.045	1	371	4	55	<0.3	70	26	1349	4.63	13	<2	<2	102	0.6	<3	<3	103	6.29
1936061	Drill Core	4.16	0.006	2	11	<3	76	<0.3	8	18	1120	5.05	2	<2	<2	75	0.5	<3	3	100	3.93
1936062	Drill Core	4.00	0.037	6	125	<3	75	<0.3	6	17	1095	5.03	5	<2	<2	74	<0.5	<3	<3	92	3.73
1936063	Drill Core	1.87	0.135	6	281	<3	60	<0.3	3	8	629	5.62	10	<2	3	15	<0.5	<3	4	53	0.87
1936064	Drill Core	5.66	0.240	4	377	<3	60	<0.3	3	10	808	5.66	11	<2	<2	28	<0.5	<3	6	54	1.61
1936065	Drill Core	4.33	0.403	6	750	7	28	2.2	3	9	527	7.52	23	<2	<2	26	<0.5	<3	8	27	1.88
1936066	Drill Core	4.03	0.365	10	312	6	19	1.2	3	13	227	10.00	32	<2	<2	12	<0.5	<3	5	17	0.86
1936067	Drill Core	3.85	0.268	13	677	<3	37	0.8	2	10	528	6.11	11	<2	<2	27	<0.5	<3	7	41	1.76
1936766	Rock	0.93	0.018	1	102	12	38	<0.3	5	33	2980	6.20	9	<2	<2	119	0.6	<3	<3	102	5.63
1936767	Rock	1.31	0.015	<1	62	>10000	>10000	3.0	<1	3	415	1.28	<2	<2	4	18	405.3	<3	<3	8	1.03
1936768	Rock	1.90	0.010	<1	2496	<3	159	1.6	3	18	1693	4.07	<2	<2	<2	45	<0.5	<3	<3	143	1.24
1936769	Rock	1.41	0.006	9	28	59	79	<0.3	<1	2	15	2.93	2	<2	<2	16	2.0	<3	7	95	<0.01
1936770	Rock	1.17	<0.005	<1	86	<3	57	<0.3	4	17	710	16.19	7	<2	<2	18	<0.5	<3	<3	81	0.24
1936801	Rock	1.62	<0.005	<1	69	8	114	<0.3	4	12	592	4.91	6	<2	<2	87	<0.5	<3	<3	144	0.30
1936802	Rock	0.79	0.019	3	132	6	15	0.3	<1	3	113	3.32	4	<2	<2	21	<0.5	<3	<3	17	<0.01
1936803	Rock	1.77	0.018	5	345	5	122	1.2	6	15	837	5.52	<2	<2	3	140	0.8	<3	<3	149	1.10
1936804	Rock	1.26	0.009	1	199	7	242	0.4	4	3	664	5.90	<2	<2	5	19	<0.5	<3	<3	72	0.18
1936805	Rock	1.75	0.015	2	529	7	269	1.9	4	14	1221	7.13	<2	<2	5	62	<0.5	<3	5	159	0.57
1936000	Rock Pulp	0.04	0.672	187	9620	5	41	1.3	24	12	545	3.90	7	<2	2	75	<0.5	<3	<3	50	1.02

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Project: None Given
Report Date: July 30, 2012

CERTIFICATE OF ANALYSIS SMI12000082.1

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1936053	Drill Core	0.127	7	2	1.10	185	0.004	<20	1.82	0.05	0.40	<2	3.13	<1	<5	7	<5
1936054	Drill Core	0.128	7	3	1.45	289	0.004	<20	2.20	0.08	0.33	<2	2.06	<1	<5	9	<5
1936055	Drill Core	0.133	7	3	1.29	156	0.004	<20	2.06	0.06	0.39	<2	2.20	<1	<5	6	<5
1936056	Drill Core	0.159	12	9	1.76	158	0.005	<20	2.61	0.05	0.35	<2	2.41	<1	<5	8	5
1936057	Drill Core	0.145	10	6	1.42	143	0.004	<20	2.21	0.04	0.37	<2	1.90	<1	<5	10	<5
1936058	Drill Core	0.154	10	41	2.05	120	0.004	<20	2.73	0.05	0.35	<2	1.43	<1	<5	9	7
1936059	Drill Core	0.114	7	80	2.56	193	0.003	<20	3.04	0.07	0.30	<2	1.74	<1	<5	12	10
1936060	Drill Core	0.165	15	84	2.41	529	0.005	<20	3.22	0.04	0.34	<2	0.40	<1	<5	11	9
1936061	Drill Core	0.190	20	15	2.43	557	0.004	<20	3.10	0.05	0.33	<2	0.09	<1	<5	11	7
1936062	Drill Core	0.187	18	10	2.18	513	0.005	<20	2.94	0.05	0.35	<2	0.36	<1	<5	11	6
1936063	Drill Core	0.134	7	4	1.97	154	0.005	<20	2.61	0.05	0.40	<2	3.23	<1	<5	8	<5
1936064	Drill Core	0.133	8	3	1.57	121	0.006	<20	2.40	0.07	0.42	<2	3.54	<1	<5	8	<5
1936065	Drill Core	0.124	7	<1	0.64	62	0.004	<20	1.43	0.03	0.53	<2	7.50	1	<5	5	<5
1936066	Drill Core	0.114	4	<1	0.53	58	0.003	<20	1.14	0.02	0.46	<2	>10	<1	<5	<5	<5
1936067	Drill Core	0.127	7	4	1.05	48	0.004	<20	1.72	0.04	0.45	<2	5.25	<1	<5	6	<5
1936766	Rock	0.154	7	2	1.63	294	0.004	<20	2.38	0.07	0.27	<2	2.06	<1	<5	8	16
1936767	Rock	0.040	11	9	0.21	707	0.001	<20	0.73	0.06	0.27	4	0.79	27	<5	5	<5
1936768	Rock	0.104	4	3	1.84	41	0.128	<20	3.27	0.08	0.02	<2	<0.05	<1	<5	6	10
1936769	Rock	0.087	<1	4	<0.01	23	0.020	<20	0.28	0.01	0.01	<2	<0.05	<1	<5	<5	<5
1936770	Rock	0.495	4	4	1.21	42	<0.001	<20	2.28	0.03	0.06	<2	3.14	<1	<5	<5	<5
1936801	Rock	0.158	6	3	1.26	72	0.129	<20	2.26	0.10	0.17	<2	1.73	<1	<5	<5	7
1936802	Rock	0.051	8	8	0.12	65	0.003	<20	0.40	0.02	0.12	<2	0.13	<1	<5	<5	<5
1936803	Rock	0.156	11	3	2.42	335	0.227	<20	4.06	0.35	1.74	<2	0.70	<1	<5	6	5
1936804	Rock	0.159	16	2	2.06	102	0.048	<20	2.48	0.06	0.44	<2	1.44	<1	<5	7	6
1936805	Rock	0.126	13	<1	2.15	266	0.237	<20	3.45	0.16	1.34	<2	2.90	<1	<5	6	9
1936000	Rock Pulp	0.058	8	28	0.71	119	0.095	<20	1.45	0.11	0.21	11	1.29	<1	<5	6	<5

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Project: None Given
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QUALITY CONTROL REPORT SMI12000082.1

	Method	WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
Pulp Duplicates																					
1935881	Drill Core	3.73	0.712	17	613	15	18	3.3	8	13	610	9.53	28	<2	<2	36	0.8	<3	4	17	1.79
REP 1935881	QC			17	605	15	17	3.2	7	13	610	9.43	29	<2	<2	35	0.7	<3	5	17	1.76
1935920	Drill Core	4.27	0.137	9	249	7	24	<0.3	<1	6	792	4.03	30	<2	3	58	<0.5	<3	4	44	3.18
REP 1935920	QC			9	249	5	24	<0.3	<1	6	783	4.03	29	<2	3	57	<0.5	<3	7	43	3.18
1935923	Drill Core	4.53	<0.005	<1	17	4	62	<0.3	45	27	1275	4.67	5	<2	<2	176	<0.5	<3	<3	124	5.33
REP 1935923	QC		<0.005																		
1935948	Drill Core	4.48	0.057	3	132	11	34	<0.3	1	5	497	3.94	8	<2	<2	146	<0.5	<3	<3	79	3.34
REP 1935948	QC		0.062																		
1935951	Drill Core	4.66	0.326	6	493	14	48	1.0	3	11	599	5.69	16	<2	<2	176	<0.5	<3	4	39	2.61
REP 1935951	QC			5	486	13	47	1.1	4	11	581	5.56	16	<2	<2	172	<0.5	<3	6	38	2.57
1935982	Drill Core	3.46	0.073	5	398	5	38	<0.3	4	9	395	3.86	9	<2	2	33	<0.5	<3	5	24	0.93
REP 1935982	QC			5	393	6	38	<0.3	3	9	396	3.86	10	<2	2	33	<0.5	<3	<3	24	0.94
1936001	Drill Core	3.22	0.031	2	1223	<3	51	<0.3	7	17	1281	3.75	11	<2	<2	124	<0.5	<3	<3	52	4.70
REP 1936001	QC		0.029																		
1936025	Rock	0.71	0.005	<1	<1	<3	<1	<0.3	<1	<1	25	0.04	<2	<2	<2	3940	<0.5	<3	4	<1	34.91
REP 1936025	QC			<1	<1	<3	<1	<0.3	<1	<1	26	0.04	<2	<2	<2	4013	<0.5	<3	5	<1	34.64
1936027	Drill Core	3.71	1.253	16	455	10	7	2.9	3	11	553	9.12	49	<2	<2	28	0.7	<3	10	15	1.92
REP 1936027	QC		1.230																		
1936052	Drill Core	4.72	0.127	4	239	8	65	0.9	26	21	1331	5.15	19	<2	<2	67	0.7	<3	<3	53	4.57
REP 1936052	QC		0.125																		
1936066	Drill Core	4.03	0.365	10	312	6	19	1.2	3	13	227	10.00	32	<2	<2	12	<0.5	<3	5	17	0.86
REP 1936066	QC			13	316	8	20	1.3	3	13	232	10.00	36	<2	<2	12	<0.5	<3	8	16	0.88
1936802	Rock	0.79	0.019	3	132	6	15	0.3	<1	3	113	3.32	4	<2	<2	21	<0.5	<3	<3	17	<0.01
REP 1936802	QC			3	131	7	15	0.3	<1	3	112	3.30	4	<2	2	21	<0.5	<3	<3	17	<0.01
Core Reject Duplicates																					
1935885	Drill Core	3.95	0.234	14	618	5	23	0.5	2	8	989	2.94	9	<2	3	34	<0.5	<3	<3	17	2.67
DUP 1935885	Drill Core	<0.01	0.234	14	641	10	23	0.5	1	9	996	2.97	9	<2	3	34	<0.5	<3	<3	16	2.69
1935919	Drill Core	3.44	0.117	4	323	5	31	<0.3	2	5	1017	4.19	10	<2	3	44	<0.5	<3	3	50	2.75

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Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 30, 2012

QUALITY CONTROL REPORT SMI12000082.1

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
Pulp Duplicates																	
1935881	Drill Core	0.087	3	2	0.28	6	<0.001	<20	0.69	0.02	0.32	<2	8.80	<1	<5	<5	<5
REP 1935881	QC	0.085	3	3	0.28	5	<0.001	<20	0.69	0.02	0.32	<2	8.69	<1	<5	<5	<5
1935920	Drill Core	0.086	7	2	0.79	273	0.001	<20	1.61	0.05	0.30	<2	1.72	<1	<5	8	<5
REP 1935920	QC	0.085	7	1	0.79	291	0.001	<20	1.59	0.05	0.30	<2	1.74	<1	<5	8	<5
1935923	Drill Core	0.071	5	91	2.60	45	0.165	<20	4.33	0.28	0.20	<2	0.15	<1	<5	11	12
REP 1935923	QC																
1935948	Drill Core	0.118	4	11	1.21	61	0.002	<20	1.33	0.03	0.23	<2	5.56	<1	<5	6	5
REP 1935948	QC																
1935951	Drill Core	0.127	4	6	0.97	18	0.001	<20	1.37	0.02	0.34	<2	5.84	<1	<5	5	<5
REP 1935951	QC	0.125	4	5	0.94	18	0.001	<20	1.34	0.02	0.33	<2	5.76	<1	<5	5	<5
1935982	Drill Core	0.102	8	3	0.58	167	<0.001	<20	1.18	0.04	0.35	<2	1.75	<1	<5	<5	<5
REP 1935982	QC	0.103	8	3	0.58	168	<0.001	<20	1.19	0.04	0.35	<2	1.75	<1	<5	<5	<5
1936001	Drill Core	0.161	14	10	1.00	1733	0.003	<20	1.82	0.02	0.33	<2	0.27	<1	<5	6	5
REP 1936001	QC																
1936025	Rock	0.003	<1	<1	1.75	10	<0.001	<20	0.05	<0.01	0.01	5	0.06	3	5	5	<5
REP 1936025	QC	0.004	<1	<1	1.73	10	<0.001	<20	0.05	<0.01	0.01	2	0.07	4	<5	<5	<5
1936027	Drill Core	0.107	4	<1	0.23	15	<0.001	<20	0.64	<0.01	0.31	<2	9.49	1	<5	<5	<5
REP 1936027	QC																
1936052	Drill Core	0.096	7	49	1.62	139	0.002	<20	2.27	0.03	0.37	<2	2.44	<1	<5	8	6
REP 1936052	QC																
1936066	Drill Core	0.114	4	<1	0.53	58	0.003	<20	1.14	0.02	0.46	<2	>10	<1	<5	<5	<5
REP 1936066	QC	0.118	4	<1	0.53	55	0.002	<20	1.08	0.02	0.44	<2	>10	<1	<5	<5	<5
1936802	Rock	0.051	8	8	0.12	65	0.003	<20	0.40	0.02	0.12	<2	0.13	<1	<5	<5	<5
REP 1936802	QC	0.050	8	7	0.12	64	0.003	<20	0.39	0.02	0.12	<2	0.13	<1	<5	<5	<5
Core Reject Duplicates																	
1935885	Drill Core	0.112	8	2	0.91	66	<0.001	<20	1.32	0.02	0.37	<2	1.46	<1	<5	<5	<5
DUP 1935885	Drill Core	0.115	8	2	0.92	66	<0.001	<20	1.28	0.01	0.36	<2	1.47	<1	<5	<5	<5
1935919	Drill Core	0.069	6	3	1.13	229	0.001	<20	1.66	0.05	0.21	<2	1.90	<1	<5	9	5

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		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
DUP 1935919	Drill Core	<0.01	0.116	3	315	3	31	<0.3	<1	5	1024	4.18	10	<2	3	45	<0.5	<3	4	50	2.79
1935953	Drill Core	4.68	0.315	69	539	11	28	0.8	3	12	624	5.22	15	<2	<2	148	<0.5	<3	<3	16	2.87
DUP 1935953	Drill Core	<0.01	0.335	67	553	11	27	0.8	3	12	609	5.45	15	<2	<2	156	<0.5	<3	<3	15	2.92
1935987	Drill Core	3.89	0.564	19	262	6	13	1.4	3	12	481	4.39	10	<2	2	35	<0.5	<3	6	10	1.72
DUP 1935987	Drill Core	<0.01	0.621	21	278	<3	12	1.6	4	13	488	4.46	9	<2	3	34	<0.5	<3	5	9	1.73
1936022	Drill Core	2.76	2.705	12	357	21	12	5.7	3	11	437	10.39	62	<2	<2	20	0.8	<3	8	16	1.29
DUP 1936022	Drill Core	<0.01	2.737	14	348	27	13	6.1	3	12	455	10.42	66	<2	<2	20	0.8	<3	14	15	1.34
1936056	Drill Core	4.47	0.282	4	375	<3	44	0.5	7	14	885	5.69	5	<2	<2	50	<0.5	<3	6	68	3.32
DUP 1936056	Drill Core	<0.01	0.262	4	362	4	44	0.6	9	14	850	5.47	3	<2	<2	49	0.6	<3	5	67	3.19
Reference Materials																					
STD DS9	Standard			14	110	108	346	2.0	43	7	620	2.47	30	<2	6	76	2.8	3	<3	44	0.77
STD DS9	Standard			12	110	132	342	1.7	42	8	613	2.47	31	<2	6	73	2.4	7	6	42	0.74
STD DS9	Standard			12	103	124	324	1.5	40	7	575	2.28	25	<2	6	69	2.2	4	9	38	0.69
STD DS9	Standard			14	111	89	337	1.8	42	7	610	2.47	27	<2	6	76	2.6	4	<3	43	0.75
STD DS9	Standard			12	100	137	333	1.8	40	7	576	2.24	26	<2	5	68	2.3	6	7	40	0.70
STD DS9	Standard			12	102	125	320	1.6	39	7	567	2.28	26	<2	5	64	2.3	4	8	39	0.69
STD OREAS45CA	Standard			3	522	35	62	<0.3	256	100	981	16.30	3	<2	7	16	1.5	<3	<3	229	0.46
STD OREAS45CA	Standard			2	564	22	71	<0.3	287	101	1031	17.95	<2	<2	5	17	<0.5	<3	<3	234	0.50
STD OREAS45CA	Standard			1	527	24	64	<0.3	251	95	962	17.40	4	<2	8	16	<0.5	<3	<3	213	0.45
STD OREAS45CA	Standard			1	535	19	60	<0.3	258	96	976	17.00	5	<2	8	16	<0.5	<3	<3	218	0.46
STD OREAS45CA	Standard			3	530	22	63	<0.3	254	98	981	16.50	5	<2	7	16	<0.5	<3	3	228	0.45
STD OREAS45CA	Standard			<1	502	36	63	0.6	248	88	961	15.02	<2	<2	6	15	1.6	<3	<3	218	0.45
STD OREAS45CA	Standard			3	481	11	55	<0.3	235	88	891	15.65	<2	<2	5	14	<0.5	<3	<3	204	0.42
STD OXG99	Standard		0.932																		
STD OXG99	Standard		0.946																		
STD OXG99	Standard		0.880																		
STD OXG99	Standard		0.972																		
STD OXG99	Standard		0.922																		
STD OXG99	Standard		0.943																		

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QUALITY CONTROL REPORT SMI12000082.1

		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
DUP 1935919	Drill Core	0.068	6	3	1.14	291	0.001	<20	1.67	0.06	0.22	<2	1.88	1	<5	9	5
1935953	Drill Core	0.112	5	2	0.67	27	<0.001	<20	0.95	0.02	0.35	<2	5.52	<1	<5	<5	<5
DUP 1935953	Drill Core	0.113	4	2	0.64	21	<0.001	<20	0.91	0.02	0.34	<2	5.95	<1	<5	<5	<5
1935987	Drill Core	0.116	7	2	0.25	79	<0.001	<20	0.78	0.03	0.37	<2	3.79	<1	<5	<5	<5
DUP 1935987	Drill Core	0.118	7	2	0.25	78	<0.001	<20	0.77	0.02	0.37	<2	3.90	<1	<5	<5	<5
1936022	Drill Core	0.088	2	2	0.13	24	<0.001	<20	0.51	<0.01	0.29	<2	>10	<1	<5	<5	<5
DUP 1936022	Drill Core	0.090	2	<1	0.13	22	<0.001	<20	0.52	<0.01	0.30	<2	>10	<1	<5	<5	<5
1936056	Drill Core	0.159	12	9	1.76	158	0.005	<20	2.61	0.05	0.35	<2	2.41	<1	<5	8	5
DUP 1936056	Drill Core	0.159	12	15	1.71	162	0.006	<20	2.52	0.05	0.35	<2	2.21	<1	<5	8	5
Reference Materials																	
STD DS9	Standard	0.091	13	126	0.67	355	0.109	<20	1.01	0.09	0.43	3	0.18	<1	<5	<5	<5
STD DS9	Standard	0.088	13	122	0.64	340	0.108	<20	0.97	0.09	0.42	3	0.18	<1	<5	7	<5
STD DS9	Standard	0.082	11	112	0.60	326	0.101	<20	0.91	0.09	0.39	3	0.16	<1	5	7	<5
STD DS9	Standard	0.087	13	125	0.66	332	0.111	<20	1.02	0.10	0.43	4	0.19	<1	<5	<5	<5
STD DS9	Standard	0.084	10	112	0.62	328	0.103	<20	0.92	0.08	0.39	4	0.17	<1	<5	<5	<5
STD DS9	Standard	0.083	11	115	0.60	311	0.099	<20	0.90	0.08	0.38	2	0.17	<1	6	<5	<5
STD OREAS45CA	Standard	0.043	17	747	0.15	174	0.131	<20	3.61	0.01	0.08	<2	<0.05	<1	<5	15	48
STD OREAS45CA	Standard	0.045	19	860	0.16	183	0.146	<20	4.33	0.02	0.09	<2	<0.05	<1	<5	9	54
STD OREAS45CA	Standard	0.040	16	742	0.14	170	0.133	<20	3.73	0.02	0.07	<2	<0.05	<1	<5	17	48
STD OREAS45CA	Standard	0.041	17	745	0.14	170	0.139	<20	3.71	0.02	0.07	<2	<0.05	<1	<5	18	49
STD OREAS45CA	Standard	0.042	17	747	0.15	172	0.131	<20	3.75	0.01	0.08	<2	<0.05	<1	<5	17	49
STD OREAS45CA	Standard	0.040	15	739	0.13	168	0.132	<20	3.53	0.01	0.07	<2	<0.05	<1	<5	16	46
STD OREAS45CA	Standard	0.038	15	690	0.13	156	0.120	<20	3.31	0.01	0.07	<2	<0.05	<1	<5	<5	44
STD OXG99	Standard																
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		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
STD OXG99	Standard		0.981																		
STD OXG99	Standard		1.016																		
STD OXG99	Standard		1.003																		
STD OXG99	Standard		0.999																		
STD OXK94	Standard		3.283																		
STD OXK94	Standard		3.619																		
STD OXK94	Standard		3.638																		
STD OXK94	Standard		3.546																		
STD OXK94	Standard		3.771																		
STD OXK94	Standard		3.624																		
STD OXK94	Standard		3.765																		
STD OXK94	Standard		3.652																		
STD OXK94	Standard		3.797																		
STD OXK94	Standard		3.787																		
STD OXK94 Expected			3.562																		
STD OXG99 Expected			0.932																		
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	0.043	7	15	0.1	0.13	0.19	215	0.4265
STD DS9 Expected				12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	0.118	6.38	69.6	2.4	4.94	6.32	40	0.7201
BLK	Blank		<0.005																		
BLK	Blank		0.008																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		0.006																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
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		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
STD OXG99	Standard																
STD OXG99	Standard																
STD OXG99	Standard																
STD OXG99	Standard																
STD OXK94	Standard																
STD OXK94	Standard																
STD OXK94	Standard																
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STD OXK94	Standard																
STD OXK94	Standard																
STD OXK94	Standard																
STD OXK94	Standard																
STD OXK94	Standard																
STD OXK94	Standard																
STD OXK94 Expected																	
STD OXG99 Expected																	
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.021	0.03	0.07		
STD DS9 Expected		0.0819	13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	0.1615	0.2	5.3	4.59	2.5
BLK	Blank																
BLK	Blank																
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		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
BLK	Blank		<0.005																		
BLK	Blank		0.009																		
BLK	Blank		0.007																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		0.006																		
BLK	Blank		<0.005																		
BLK	Blank			<1	<1	3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank		<0.005																		
BLK	Blank		0.006																		
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
Prep Wash																					
G1-SMI	Prep Blank	<0.01	0.006	<1	1	3	45	<0.3	2	3	535	1.86	<2	<2	5	56	<0.5	<3	<3	37	0.46
G1-SMI	Prep Blank	<0.01	0.008	<1	2	<3	48	<0.3	2	3	576	2.04	<2	<2	6	70	<0.5	<3	<3	40	0.53

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		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank																
BLK	Blank																
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
Prep Wash																	
G1-SMI	Prep Blank	0.077	11	8	0.50	159	0.111	<20	0.87	0.09	0.47	<2	<0.05	<1	<5	<5	<5
G1-SMI	Prep Blank	0.081	12	7	0.53	172	0.121	<20	0.95	0.10	0.50	<2	<0.05	<1	<5	<5	<5

Acme Labs Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **West Cirque Resources**
530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Submitted By:	John Bradford
Receiving Lab:	Canada-Smithers
Received:	July 16, 2012
Report Date:	July 30, 2012
Page:	1 of 5

CERTIFICATE OF ANALYSIS SMI12000086.1

CLIENT JOB INFORMATION

Project:	None Given
Shipment ID:	
P.O. Number	
Number of Samples:	97

SAMPLE DISPOSAL

STOR-PLP	Store After 90 days Invoice for Storage
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	95	Crush, split and pulverize 250 g rock to 200 mesh			SMI
G601	97	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
1D01	97	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: West Cirque Resources
530 - 510 Burrard Street
Vancouver BC V6C 3A8
Canada

CC: Nigel Luckman

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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Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 30, 2012

CERTIFICATE OF ANALYSIS SMI12000086.1

	Method	WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
G1-SMI	Prep Blank	<0.01	<0.005	<1	2	5	48	<0.3	3	4	588	2.08	<2	<2	5	65	<0.5	<3	<3	39	0.55
G1-SMI	Prep Blank	<0.01	<0.005	<1	2	<3	46	<0.3	3	4	568	2.02	<2	<2	5	62	<0.5	<3	<3	39	0.54
1936068	Drill Core	3.85	0.170	8	503	7	38	0.3	2	9	554	4.42	5	<2	3	27	<0.5	<3	<3	48	1.90
1936069	Drill Core	3.78	0.204	7	658	11	42	<0.3	2	11	502	4.23	4	<2	3	32	<0.5	<3	<3	61	1.56
1936070	Drill Core	2.92	0.221	16	839	<3	39	0.4	2	10	451	4.61	2	<2	3	25	<0.5	<3	<3	52	1.34
1936071	Drill Core	3.11	0.207	26	733	6	35	0.4	2	8	484	4.48	6	<2	3	29	<0.5	<3	<3	45	1.62
1936072	Drill Core	3.49	0.523	10	684	10	18	1.0	6	10	198	11.11	61	<2	2	11	<0.5	3	<3	16	0.67
1936073	Drill Core	3.90	0.619	9	1314	6	33	0.8	2	11	475	5.75	14	<2	3	22	<0.5	<3	<3	40	1.37
1936074	Drill Core	1.97	0.160	6	368	4	34	<0.3	2	8	570	5.04	15	<2	3	30	<0.5	<3	<3	42	1.97
1936075	Drill Core	2.18	0.181	6	392	6	33	<0.3	2	8	568	5.10	15	<2	3	30	<0.5	<3	<3	43	1.97
1936076	Drill Core	4.37	0.162	13	443	11	34	<0.3	2	11	510	5.73	12	<2	3	23	<0.5	<3	<3	38	1.54
1936077	Drill Core	3.56	0.227	11	457	11	37	0.4	6	13	609	8.61	6	<2	3	23	<0.5	<3	<3	41	1.59
1936078	Drill Core	4.50	0.301	8	561	8	27	<0.3	4	24	536	7.03	11	<2	3	25	<0.5	<3	<3	30	1.91
1936079	Drill Core	3.17	0.344	9	796	15	37	0.4	2	8	547	5.50	7	<2	3	31	<0.5	<3	<3	49	1.69
1936080	Drill Core	3.49	0.209	7	678	<3	39	0.3	2	8	495	5.19	7	<2	3	26	<0.5	<3	<3	55	1.52
1936081	Drill Core	4.97	0.032	2	105	8	62	<0.3	8	14	904	4.86	3	<2	<2	89	<0.5	<3	<3	74	3.35
1936082	Drill Core	3.64	0.086	3	231	17	58	<0.3	7	17	766	5.27	17	<2	<2	58	<0.5	<3	<3	68	2.81
1936083	Drill Core	4.54	0.006	2	<1	12	72	<0.3	10	17	1081	4.99	3	<2	<2	94	<0.5	<3	<3	90	3.91
1936084	Drill Core	3.86	0.138	8	568	9	65	<0.3	7	15	930	5.10	4	<2	<2	56	<0.5	<3	<3	73	2.80
1936085	Drill Core	4.35	0.358	45	1166	6	30	0.4	3	10	467	5.47	6	<2	3	14	<0.5	<3	<3	29	1.13
1936086	Drill Core	3.43	0.808	20	536	26	13	2.0	7	11	502	12.24	33	<2	<2	29	<0.5	<3	5	14	1.88
1936087	Drill Core	3.35	0.178	9	766	9	53	0.5	2	10	766	5.36	4	<2	2	33	<0.5	<3	<3	52	1.94
1936088	Drill Core	3.63	0.179	9	716	10	56	0.3	3	17	664	5.69	5	<2	3	29	<0.5	<3	<3	56	1.42
1936089	Drill Core	4.15	0.252	4	950	7	57	0.5	2	10	844	5.61	4	<2	2	35	<0.5	<3	<3	49	1.98
1936090	Drill Core	3.77	1.111	6	1159	9	43	1.3	3	10	698	6.66	9	<2	2	32	<0.5	<3	<3	37	2.00
1936091	Drill Core	4.23	0.409	4	1956	9	49	1.0	3	11	691	6.76	16	<2	3	31	<0.5	<3	<3	44	1.87
1936092	Drill Core	4.05	0.291	10	1429	7	52	0.4	3	11	763	4.97	4	<2	<2	38	<0.5	<3	<3	45	2.19
1936093	Drill Core	3.80	0.221	12	931	<3	48	0.4	2	10	623	5.35	5	<2	<2	29	<0.5	<3	<3	38	2.01
1936094	Drill Core	3.97	0.644	13	434	<3	16	5.0	3	13	373	6.63	13	<2	2	22	<0.5	<3	<3	16	1.70
1936095	Drill Core	4.01	0.089	5	71	<3	46	<0.3	1	12	745	5.67	12	<2	<2	49	<0.5	<3	<3	58	3.02

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530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 30, 2012

CERTIFICATE OF ANALYSIS SMI12000086.1

Method		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte		**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**B**	**Al**	**Na**	**K**	**W**	**S**	**Hg**	**Tl**	**Ga**	**Sc**
Unit		**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**
MDL		**0.001**	**1**	**1**	**0.01**	**1**	**0.001**	**20**	**0.01**	**0.01**	**0.01**	**2**	**0.05**	**1**	**5**	**5**	**5**
G1-SMI	Prep Blank	0.081	11	10	0.56	175	0.127	<20	0.99	0.10	0.53	<2	<0.05	<1	<5	<5	<5
G1-SMI	Prep Blank	0.079	11	10	0.54	175	0.122	<20	0.97	0.10	0.51	<2	<0.05	<1	<5	<5	<5
1936068	Drill Core	0.118	6	4	1.12	87	0.002	<20	1.49	0.04	0.26	<2	2.82	<1	<5	5	<5
1936069	Drill Core	0.122	7	5	1.11	207	0.018	<20	1.51	0.07	0.22	<2	1.59	<1	<5	7	<5
1936070	Drill Core	0.122	6	4	1.04	106	0.008	<20	1.43	0.05	0.27	<2	2.33	<1	<5	6	<5
1936071	Drill Core	0.121	6	4	1.05	69	0.004	<20	1.46	0.05	0.29	<2	2.59	<1	<5	5	<5
1936072	Drill Core	0.102	3	3	0.40	16	0.001	<20	0.76	0.02	0.31	<2	>10	<1	<5	<5	<5
1936073	Drill Core	0.110	7	5	0.88	54	0.002	<20	1.41	0.03	0.30	<2	3.76	<1	<5	5	<5
1936074	Drill Core	0.119	8	4	0.95	68	0.002	<20	1.45	0.03	0.30	<2	2.84	<1	<5	5	<5
1936075	Drill Core	0.118	8	4	0.93	61	0.002	<20	1.46	0.04	0.32	<2	2.90	<1	<5	6	<5
1936076	Drill Core	0.115	5	3	1.04	76	0.002	<20	1.58	0.03	0.32	<2	3.99	<1	<5	<5	<5
1936077	Drill Core	0.122	7	5	0.99	32	0.002	<20	1.63	0.03	0.35	<2	6.20	<1	<5	<5	<5
1936078	Drill Core	0.112	7	3	0.74	53	0.001	<20	1.24	0.03	0.30	<2	5.92	<1	<5	<5	<5
1936079	Drill Core	0.119	9	5	1.05	40	0.004	<20	1.53	0.05	0.26	<2	3.57	<1	<5	6	<5
1936080	Drill Core	0.121	7	3	1.10	87	0.002	<20	1.55	0.04	0.27	<2	2.76	<1	<5	6	<5
1936081	Drill Core	0.172	12	15	1.70	708	0.004	<20	2.44	0.05	0.31	<2	0.52	<1	<5	8	5
1936082	Drill Core	0.162	10	12	1.57	232	0.002	<20	2.28	0.04	0.24	<2	1.27	<1	<5	7	<5
1936083	Drill Core	0.190	19	16	2.05	913	0.003	<20	2.69	0.05	0.30	<2	<0.05	<1	<5	9	6
1936084	Drill Core	0.163	11	13	1.80	203	0.002	<20	2.49	0.04	0.33	<2	1.33	<1	<5	9	<5
1936085	Drill Core	0.126	5	3	0.93	73	0.001	<20	1.46	0.02	0.36	<2	4.20	<1	<5	<5	<5
1936086	Drill Core	0.090	4	4	0.26	9	0.001	<20	0.71	0.02	0.35	<2	>10	<1	<5	<5	<5
1936087	Drill Core	0.119	9	4	1.17	64	0.003	<20	1.66	0.04	0.27	<2	3.08	<1	<5	6	<5
1936088	Drill Core	0.117	8	5	1.15	74	0.006	<20	1.70	0.05	0.28	<2	2.84	<1	<5	6	<5
1936089	Drill Core	0.116	7	4	1.10	97	0.003	<20	1.65	0.04	0.27	<2	2.69	<1	<5	6	<5
1936090	Drill Core	0.114	6	4	0.84	28	0.002	<20	1.43	0.03	0.36	<2	4.81	<1	<5	<5	<5
1936091	Drill Core	0.117	7	3	1.07	25	0.004	<20	1.65	0.04	0.31	<2	4.39	<1	<5	6	<5
1936092	Drill Core	0.108	8	5	1.10	94	0.004	<20	1.72	0.06	0.29	<2	2.45	<1	<5	6	<5
1936093	Drill Core	0.119	6	3	0.98	51	0.002	<20	1.56	0.04	0.32	<2	3.44	<1	<5	5	<5
1936094	Drill Core	0.125	4	3	0.27	16	<0.001	<20	0.86	0.02	0.41	<2	6.59	<1	<5	<5	<5
1936095	Drill Core	0.168	10	2	1.35	117	0.002	<20	2.16	0.03	0.30	<2	2.52	<1	<5	7	<5

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Project: None Given
Report Date: July 30, 2012

CERTIFICATE OF ANALYSIS SMI12000086.1

Method		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1936096	Drill Core	3.90	0.445	8	49	5	23	1.4	7	19	283	9.86	43	<2	<2	21	<0.5	<3	<3	28	1.21
1936097	Drill Core	4.23	0.135	18	41	<3	3	0.5	4	19	165	7.80	14	<2	3	19	<0.5	<3	<3	7	0.98
1936098	Drill Core	3.58	0.327	14	165	4	6	1.0	5	19	193	7.80	12	<2	3	18	<0.5	<3	<3	10	1.03
1936099	Drill Core	3.78	0.152	8	186	6	5	0.5	3	15	222	7.02	5	<2	3	19	<0.5	<3	<3	10	1.30
1936100	Rock Pulp	0.04	0.490	288	5370	6	45	1.1	25	12	419	3.07	4	<2	<2	37	<0.5	<3	<3	55	0.78
1936101	Drill Core	3.49	0.332	12	580	5	24	2.7	2	10	380	5.46	9	<2	3	32	0.5	<3	3	11	2.03
1936102	Drill Core	3.84	0.307	14	337	4	6	1.9	2	14	148	5.50	5	<2	3	15	<0.5	<3	4	8	0.92
1936103	Drill Core	3.19	0.123	15	346	<3	3	0.3	2	18	168	6.00	3	<2	3	17	<0.5	<3	<3	7	1.06
1936104	Drill Core	3.80	0.094	13	349	<3	5	0.4	1	10	185	4.73	5	<2	3	17	<0.5	<3	<3	9	1.13
1936105	Drill Core	3.17	0.153	10	432	<3	3	0.5	2	14	128	5.01	4	<2	4	14	<0.5	<3	<3	8	0.94
1936106	Drill Core	4.20	0.061	3	266	<3	24	<0.3	1	10	560	3.67	<2	<2	2	34	<0.5	<3	<3	42	2.69
1936107	Drill Core	4.33	<0.005	<1	27	<3	33	<0.3	1	10	715	4.10	<2	<2	<2	42	<0.5	<3	<3	61	3.47
1936108	Drill Core	4.38	<0.005	<1	8	<3	28	<0.3	1	9	712	3.86	<2	<2	<2	54	<0.5	<3	<3	60	3.90
1936109	Drill Core	4.54	0.018	<1	143	<3	33	<0.3	<1	9	735	3.82	<2	<2	<2	50	<0.5	<3	<3	60	3.76
1936110	Drill Core	4.19	0.005	<1	199	<3	37	<0.3	<1	8	775	4.00	<2	<2	<2	61	<0.5	<3	<3	65	3.92
1936111	Drill Core	4.48	0.006	1	58	<3	40	<0.3	<1	9	747	4.23	<2	<2	2	68	<0.5	<3	<3	49	3.52
1936112	Drill Core	4.60	<0.005	<1	28	<3	36	<0.3	<1	9	792	3.76	<2	<2	2	86	<0.5	<3	<3	58	3.86
1936113	Drill Core	4.29	0.251	6	484	<3	33	0.9	1	10	561	5.86	13	<2	3	24	<0.5	<3	3	32	1.81
1936114	Drill Core	4.56	0.293	14	590	<3	43	0.7	2	9	611	6.17	19	<2	2	24	<0.5	<3	5	37	1.71
1936115	Drill Core	4.39	0.181	10	444	<3	53	0.4	17	11	751	5.14	6	<2	3	30	<0.5	<3	5	59	1.95
1936116	Drill Core	4.32	0.181	8	317	<3	33	0.5	27	14	755	5.77	13	<2	<2	33	<0.5	<3	3	46	2.76
1936117	Drill Core	3.78	0.250	9	510	<3	25	<0.3	6	15	680	6.87	14	<2	<2	23	<0.5	<3	3	27	2.49
1936118	Drill Core	4.58	0.056	2	88	<3	51	<0.3	6	22	1043	5.22	16	<2	<2	51	<0.5	<3	<3	99	2.79
1936119	Drill Core	3.97	0.006	<1	78	<3	64	<0.3	7	15	1149	4.67	3	<2	<2	49	<0.5	<3	<3	115	2.76
1936120	Drill Core	4.40	0.013	2	38	<3	48	<0.3	9	16	946	4.49	8	<2	<2	40	<0.5	<3	<3	104	2.63
1936121	Drill Core	2.98	0.159	3	135	3	33	<0.3	8	13	617	5.41	17	<2	<2	19	<0.5	<3	<3	42	1.47
1936122	Drill Core	4.00	0.228	11	169	5	46	0.4	6	24	678	6.84	25	<2	<2	26	<0.5	<3	<3	56	1.61
1936123	Drill Core	3.59	0.226	5	154	4	63	0.9	4	12	1100	6.48	23	<2	<2	32	<0.5	<3	7	66	3.08
1936124	Drill Core	3.24	0.224	20	425	15	87	0.7	9	25	869	7.97	32	<2	<2	21	0.6	<3	7	64	1.93
1936125	Rock	0.72	<0.005	<1	<1	<3	<1	<0.3	<1	<1	24	0.03	<2	<2	<2	4418	<0.5	<3	<3	2	36.02

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530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 30, 2012

CERTIFICATE OF ANALYSIS SMI12000086.1

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**B**	**Al**	**Na**	**K**	**W**	**S**	**Hg**	**Tl**	**Ga**	**Sc**
	Unit	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**
	MDL	**0.001**	**1**	**1**	**0.01**	**1**	**0.001**	**20**	**0.01**	**0.01**	**0.01**	**2**	**0.05**	**1**	**5**	**5**	**5**
1936096	Drill Core	0.122	4	3	0.59	37	0.001	<20	1.12	0.02	0.32	<2	8.64	<1	<5	<5	<5
1936097	Drill Core	0.116	3	2	0.05	39	<0.001	<20	0.43	0.01	0.31	<2	8.18	<1	<5	<5	<5
1936098	Drill Core	0.118	3	4	0.20	21	<0.001	<20	0.68	0.02	0.37	<2	8.06	<1	<5	<5	<5
1936099	Drill Core	0.124	4	2	0.23	48	<0.001	<20	0.65	0.01	0.33	<2	7.31	<1	<5	<5	<5
1936100	Rock Pulp	0.053	4	28	0.68	112	0.109	<20	1.40	0.09	0.14	18	0.60	<1	<5	<5	<5
1936101	Drill Core	0.111	4	2	0.34	11	0.001	<20	0.69	0.02	0.34	<2	5.90	<1	<5	<5	<5
1936102	Drill Core	0.115	3	3	0.19	25	<0.001	<20	0.52	0.02	0.30	<2	6.34	<1	<5	<5	<5
1936103	Drill Core	0.114	3	2	0.18	13	<0.001	<20	0.51	0.02	0.30	<2	6.93	<1	<5	<5	<5
1936104	Drill Core	0.112	4	2	0.27	26	<0.001	<20	0.61	0.02	0.32	<2	5.41	<1	<5	<5	<5
1936105	Drill Core	0.120	2	2	0.21	31	<0.001	<20	0.59	0.01	0.32	<2	5.71	<1	<5	<5	<5
1936106	Drill Core	0.146	12	2	1.14	111	0.001	<20	1.74	0.03	0.24	<2	1.26	<1	<5	<5	<5
1936107	Drill Core	0.155	18	5	1.44	84	0.002	<20	2.07	0.03	0.18	<2	<0.05	<1	<5	<5	6
1936108	Drill Core	0.158	19	4	1.28	311	0.002	<20	1.89	0.04	0.19	<2	<0.05	<1	<5	<5	6
1936109	Drill Core	0.156	19	2	1.27	123	0.002	<20	1.99	0.03	0.18	<2	<0.05	<1	<5	6	6
1936110	Drill Core	0.184	15	1	1.26	671	0.003	<20	2.09	0.04	0.16	<2	<0.05	<1	<5	8	7
1936111	Drill Core	0.150	18	2	1.34	656	0.002	<20	2.17	0.03	0.20	<2	<0.05	<1	<5	8	5
1936112	Drill Core	0.155	19	3	1.34	1193	0.002	<20	2.04	0.03	0.18	<2	<0.05	<1	<5	7	6
1936113	Drill Core	0.116	8	2	1.06	26	0.001	<20	1.49	0.02	0.25	<2	4.67	<1	<5	6	<5
1936114	Drill Core	0.112	6	3	1.27	21	0.002	<20	1.69	0.02	0.26	<2	4.74	<1	<5	<5	<5
1936115	Drill Core	0.110	6	21	2.13	63	0.002	<20	2.40	0.03	0.20	<2	2.50	<1	<5	9	<5
1936116	Drill Core	0.106	5	32	1.54	51	0.001	<20	1.91	0.02	0.26	<2	4.38	<1	<5	5	<5
1936117	Drill Core	0.098	4	3	1.09	20	0.004	<20	1.61	0.01	0.37	<2	5.97	<1	<5	<5	<5
1936118	Drill Core	0.155	10	9	1.95	72	0.145	<20	2.52	0.04	0.16	<2	1.54	<1	<5	10	7
1936119	Drill Core	0.171	12	14	2.39	217	0.144	<20	2.76	0.05	0.03	<2	0.10	<1	<5	13	7
1936120	Drill Core	0.142	8	18	2.02	110	0.153	<20	2.46	0.04	0.14	<2	1.17	<1	<5	10	7
1936121	Drill Core	0.111	2	4	1.38	47	0.015	<20	1.92	0.02	0.33	<2	3.51	<1	<5	6	<5
1936122	Drill Core	0.126	4	3	1.36	14	0.007	<20	1.99	0.03	0.28	<2	4.64	<1	<5	5	<5
1936123	Drill Core	0.138	7	5	1.58	48	0.004	<20	2.13	0.03	0.21	<2	3.94	<1	<5	8	<5
1936124	Drill Core	0.112	4	8	1.52	44	0.009	<20	2.28	0.02	0.28	<2	4.92	<1	<5	9	<5
1936125	Rock	0.004	<1	<1	1.52	<1	<0.001	<20	0.04	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5

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	Method	WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1936126	Drill Core	4.82	0.016	<1	37	<3	95	<0.3	17	22	1443	6.26	<2	<2	<2	34	<0.5	<3	<3	136	3.87
1936127	Drill Core	4.12	0.006	<1	44	<3	87	<0.3	16	21	1457	5.87	4	<2	<2	58	<0.5	<3	<3	126	4.41
1936128	Drill Core	3.34	0.354	8	599	<3	54	1.1	7	17	822	6.28	6	<2	<2	25	<0.5	<3	5	82	2.37
1936129	Drill Core	4.30	0.280	9	440	<3	37	1.0	7	18	764	6.21	6	<2	<2	34	<0.5	<3	3	45	2.95
1936130	Drill Core	4.07	0.147	4	339	<3	59	0.6	6	17	864	5.40	6	<2	<2	27	<0.5	<3	<3	70	2.47
1936131	Drill Core	3.43	0.307	11	552	20	67	0.6	7	14	865	5.91	8	<2	<2	27	<0.5	<3	3	86	1.71
1936132	Drill Core	4.66	0.300	22	400	8	72	0.3	24	19	1081	6.39	4	<2	<2	44	<0.5	<3	<3	81	3.14
1936133	Drill Core	3.94	<0.005	<1	17	6	77	<0.3	47	26	1230	4.96	<2	<2	<2	120	<0.5	<3	<3	123	5.30
1936134	Drill Core	4.86	0.006	<1	21	<3	52	<0.3	45	25	964	4.96	<2	<2	<2	158	<0.5	<3	<3	135	4.38
1936135	Drill Core	3.73	0.067	<1	127	<3	46	<0.3	44	23	782	4.12	4	<2	<2	165	<0.5	<3	<3	100	3.95
1936136	Drill Core	4.02	0.272	17	583	11	55	0.3	9	18	683	5.21	10	<2	<2	30	<0.5	<3	<3	106	1.12
1936137	Drill Core	3.67	0.145	2	300	11	66	<0.3	27	23	1008	5.56	6	<2	<2	34	<0.5	<3	<3	114	2.13
1936138	Drill Core	4.67	<0.005	<1	29	12	81	<0.3	22	28	1241	4.97	<2	<2	<2	62	<0.5	<3	<3	140	3.38
1936139	Drill Core	4.29	0.007	<1	43	10	70	<0.3	33	27	1130	4.82	4	<2	<2	71	<0.5	<3	<3	149	3.17
1936140	Drill Core	3.70	0.077	6	240	8	40	<0.3	6	17	730	5.22	6	<2	<2	23	<0.5	<3	<3	110	0.94
1936141	Drill Core	4.20	0.182	9	1182	10	49	0.6	5	16	682	6.30	5	<2	<2	13	<0.5	<3	<3	78	0.53
1936142	Drill Core	4.43	0.172	9	302	15	61	<0.3	6	16	713	5.76	8	<2	<2	15	<0.5	<3	<3	96	0.64
1936143	Drill Core	3.90	0.087	2	241	13	68	<0.3	21	25	898	5.70	11	<2	<2	41	<0.5	<3	<3	102	2.44
1936144	Drill Core	3.36	0.092	7	168	9	10	0.9	2	23	794	3.98	26	<2	<2	39	<0.5	<3	<3	18	2.64
1936145	Drill Core	4.12	0.070	1	163	10	16	0.4	<1	20	761	2.74	15	<2	3	65	<0.5	<3	<3	22	2.44
1936146	Drill Core	4.44	0.116	<1	104	12	10	1.5	1	35	1187	4.73	30	<2	<2	75	<0.5	<3	<3	14	3.22
1936147	Drill Core	5.03	0.214	4	285	14	11	0.9	<1	50	1039	5.53	36	<2	2	49	<0.5	<3	<3	11	3.22
1936148	Drill Core	4.21	0.060	<1	53	11	37	<0.3	<1	21	918	3.03	23	<2	3	78	<0.5	<3	<3	30	2.64
1936149	Drill Core	4.42	0.006	2	36	10	68	<0.3	21	16	1006	4.51	3	<2	<2	62	<0.5	<3	<3	59	2.97
1936150	Rock Pulp	0.08	0.791	185	9475	11	40	1.2	24	12	515	3.71	4	<2	<2	72	<0.5	<3	<3	52	1.01
1936151	Drill Core	4.29	<0.005	<1	13	13	65	<0.3	6	17	937	4.83	<2	<2	<2	64	<0.5	<3	<3	98	2.78
1936152	Drill Core	4.02	1.113	5	314	10	24	0.5	1	26	1786	4.84	13	<2	<2	121	<0.5	<3	3	22	5.36
1936153	Drill Core	3.94	0.396	4	680	8	23	<0.3	<1	9	1581	3.24	6	<2	3	128	<0.5	<3	<3	19	4.64
1936154	Drill Core	4.28	1.972	62	233	12	15	1.4	2	27	577	4.33	14	<2	<2	48	<0.5	<3	<3	13	2.15
1936155	Drill Core	4.33	0.254	<1	260	8	22	0.5	2	24	694	4.66	10	<2	3	41	<0.5	<3	<3	24	2.13

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Method		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1936126	Drill Core	0.148	11	20	2.57	160	0.056	<20	3.28	0.03	0.15	<2	0.10	<1	<5	14	9
1936127	Drill Core	0.138	10	19	2.50	254	0.032	<20	3.19	0.03	0.17	<2	<0.05	<1	<5	12	9
1936128	Drill Core	0.113	5	8	1.77	24	0.002	<20	2.21	0.02	0.18	<2	3.62	<1	<5	8	<5
1936129	Drill Core	0.098	4	3	1.18	28	0.001	<20	1.73	0.02	0.29	<2	4.74	<1	<5	<5	<5
1936130	Drill Core	0.119	6	7	1.59	68	0.016	<20	2.12	0.03	0.20	<2	2.68	<1	<5	8	<5
1936131	Drill Core	0.140	6	6	1.96	22	0.012	<20	2.41	0.03	0.19	<2	2.61	<1	<5	12	5
1936132	Drill Core	0.093	4	53	2.16	22	0.059	<20	2.74	0.02	0.23	<2	2.61	<1	<5	8	6
1936133	Drill Core	0.073	5	101	2.84	80	0.162	<20	3.63	0.17	0.16	<2	0.08	<1	<5	15	11
1936134	Drill Core	0.075	5	89	2.58	42	0.210	<20	4.28	0.28	0.11	<2	0.13	<1	<5	16	10
1936135	Drill Core	0.068	4	76	2.42	47	0.162	<20	4.69	0.33	0.15	<2	0.25	<1	<5	16	6
1936136	Drill Core	0.110	3	9	1.81	89	0.080	<20	2.41	0.04	0.31	<2	1.81	<1	<5	9	8
1936137	Drill Core	0.082	4	67	2.71	57	0.194	<20	3.04	0.05	0.25	3	1.45	<1	<5	10	9
1936138	Drill Core	0.131	7	74	2.95	17	0.232	<20	3.08	0.05	0.06	<2	0.11	<1	<5	13	12
1936139	Drill Core	0.087	5	87	2.97	44	0.260	<20	3.39	0.11	0.17	<2	0.49	1	<5	15	12
1936140	Drill Core	0.107	3	9	2.11	89	0.131	<20	2.42	0.07	0.18	<2	1.71	<1	<5	11	9
1936141	Drill Core	0.112	3	3	1.87	103	0.071	<20	2.35	0.04	0.27	<2	3.51	<1	<5	7	5
1936142	Drill Core	0.113	3	5	2.01	54	0.053	<20	2.61	0.05	0.26	<2	2.38	<1	<5	9	6
1936143	Drill Core	0.112	5	59	2.30	45	0.101	<20	2.76	0.04	0.24	<2	1.90	<1	<5	12	9
1936144	Drill Core	0.121	6	3	0.35	83	<0.001	<20	0.88	0.01	0.31	<2	3.56	<1	<5	<5	<5
1936145	Drill Core	0.123	8	2	0.47	59	<0.001	<20	0.96	0.02	0.33	<2	2.06	<1	<5	<5	<5
1936146	Drill Core	0.109	7	2	0.43	18	<0.001	<20	0.85	<0.01	0.31	<2	4.50	<1	<5	<5	<5
1936147	Drill Core	0.104	7	2	0.32	73	<0.001	<20	0.79	0.01	0.33	<2	5.60	<1	<5	<5	<5
1936148	Drill Core	0.120	9	2	0.65	214	<0.001	<20	1.22	0.02	0.36	<2	1.40	<1	<5	<5	<5
1936149	Drill Core	0.176	16	30	2.00	311	0.002	<20	2.45	0.03	0.23	<2	0.32	1	<5	8	<5
1936150	Rock Pulp	0.054	8	29	0.69	113	0.097	<20	1.41	0.10	0.21	11	1.26	<1	<5	6	<5
1936151	Drill Core	0.172	18	17	2.67	351	0.004	<20	2.95	0.04	0.19	<2	<0.05	<1	<5	10	7
1936152	Drill Core	0.099	7	2	0.68	49	0.001	<20	1.18	0.01	0.35	<2	3.97	<1	<5	<5	<5
1936153	Drill Core	0.104	9	2	0.49	141	0.001	<20	1.18	0.02	0.38	<2	1.83	<1	<5	<5	<5
1936154	Drill Core	0.112	6	<1	0.28	68	<0.001	<20	0.86	0.02	0.38	<2	4.15	<1	<5	<5	<5
1936155	Drill Core	0.116	6	2	0.59	44	<0.001	<20	1.07	0.02	0.34	<2	4.15	<1	<5	<5	<5

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Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1936156	Drill Core	4.73	0.305	<1	148	9	25	0.4	<1	9	1074	3.62	13	<2	3	78	<0.5	<3	5	31	2.89
1936157	Drill Core	3.98	0.764	<1	98	13	33	<0.3	<1	16	849	3.46	11	<2	3	75	<0.5	<3	<3	42	2.38
1936158	Drill Core	4.20	0.181	<1	70	9	35	<0.3	<1	6	1033	3.14	8	<2	3	85	<0.5	<3	<3	39	2.83
1936159	Drill Core	4.50	0.300	<1	159	11	37	0.7	<1	10	916	3.99	8	<2	3	64	<0.5	<3	<3	42	2.35
1936160	Drill Core	4.37	0.442	<1	123	12	31	0.6	8	11	994	4.59	10	<2	<2	68	<0.5	<3	4	44	3.10
1936161	Drill Core	4.48	0.138	<1	113	7	37	<0.3	9	13	1003	3.87	8	<2	<2	79	<0.5	<3	<3	51	3.36
1936162	Drill Core	4.13	0.187	<1	312	9	39	<0.3	<1	7	852	3.11	9	<2	3	77	<0.5	<3	<3	34	2.89
1936163	Drill Core	4.55	0.436	<1	126	<3	34	<0.3	2	9	807	3.56	11	<2	3	54	<0.5	<3	3	38	2.55
1936164	Drill Core	4.10	0.127	<1	77	6	43	<0.3	<1	7	699	2.96	5	<2	3	59	<0.5	<3	<3	48	2.23

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	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1936156	Drill Core	0.116	8	3	0.78	86	<0.001	<20	1.28	0.02	0.32	<2	2.21	1	<5	<5	<5
1936157	Drill Core	0.116	7	3	0.91	80	0.001	<20	1.39	0.03	0.31	<2	2.08	<1	<5	<5	<5
1936158	Drill Core	0.113	8	3	0.95	277	0.001	<20	1.40	0.03	0.27	<2	1.19	1	<5	<5	<5
1936159	Drill Core	0.118	8	2	0.91	115	0.001	<20	1.35	0.03	0.29	<2	2.14	<1	<5	<5	<5
1936160	Drill Core	0.136	9	13	1.06	79	0.001	<20	1.64	0.02	0.32	<2	2.40	<1	<5	5	<5
1936161	Drill Core	0.141	9	15	1.30	513	0.002	<20	1.88	0.03	0.28	<2	0.90	<1	<5	5	<5
1936162	Drill Core	0.109	7	2	0.84	199	<0.001	<20	1.29	0.03	0.26	<2	1.33	<1	<5	<5	<5
1936163	Drill Core	0.116	7	2	0.93	75	<0.001	<20	1.40	0.03	0.31	<2	2.06	<1	<5	<5	<5
1936164	Drill Core	0.120	8	4	1.00	506	0.009	<20	1.41	0.05	0.24	<2	0.85	<1	<5	<5	<5

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Client: **West Cirque Resources**
530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 30, 2012

QUALITY CONTROL REPORT SMI12000086.1

Method		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
Pulp Duplicates																					
REP G1-SMI	QC		<0.005																		
1936089	Drill Core	4.15	0.252	4	950	7	57	0.5	2	10	844	5.61	4	<2	2	35	<0.5	<3	<3	49	1.98
REP 1936089	QC			4	945	10	56	0.5	2	10	837	5.52	5	<2	<2	34	<0.5	<3	<3	48	1.94
1936098	Drill Core	3.58	0.327	14	165	4	6	1.0	5	19	193	7.80	12	<2	3	18	<0.5	<3	<3	10	1.03
REP 1936098	QC		0.310																		
1936125	Rock	0.72	<0.005	<1	<1	<3	<1	<0.3	<1	<1	24	0.03	<2	<2	<2	4418	<0.5	<3	<3	2	36.02
REP 1936125	QC			<1	<1	<3	<1	<0.3	<1	<1	26	0.05	<2	<2	<2	4358	<0.5	<3	<3	2	36.02
1936129	Drill Core	4.30	0.280	9	440	<3	37	1.0	7	18	764	6.21	6	<2	<2	34	<0.5	<3	3	45	2.95
REP 1936129	QC		0.268																		
1936142	Drill Core	4.43	0.172	9	302	15	61	<0.3	6	16	713	5.76	8	<2	<2	15	<0.5	<3	<3	96	0.64
REP 1936142	QC		0.164																		
1936160	Drill Core	4.37	0.442	<1	123	12	31	0.6	8	11	994	4.59	10	<2	<2	68	<0.5	<3	4	44	3.10
REP 1936160	QC			<1	124	10	30	0.6	7	11	1006	4.69	11	<2	<2	70	<0.5	<3	4	43	3.18
1936164	Drill Core	4.10	0.127	<1	77	6	43	<0.3	<1	7	699	2.96	5	<2	3	59	<0.5	<3	<3	48	2.23
REP 1936164	QC		0.124																		
Core Reject Duplicates																					
1936073	Drill Core	3.90	0.619	9	1314	6	33	0.8	2	11	475	5.75	14	<2	3	22	<0.5	<3	<3	40	1.37
DUP 1936073	QC	<0.01	0.615	9	1427	6	33	0.9	3	11	478	6.06	16	<2	3	22	<0.5	<3	<3	40	1.39
1936107	Drill Core	4.33	<0.005	<1	27	<3	33	<0.3	1	10	715	4.10	<2	<2	<2	42	<0.5	<3	<3	61	3.47
DUP 1936107	QC	<0.01	<0.005	<1	29	<3	33	<0.3	1	10	717	4.07	<2	<2	<2	42	<0.5	<3	<3	61	3.43
1936141	Drill Core	4.20	0.182	9	1182	10	49	0.6	5	16	682	6.30	5	<2	<2	13	<0.5	<3	<3	78	0.53
DUP 1936141	QC	<0.01	0.196	9	1193	9	49	0.5	5	17	676	6.29	8	<2	<2	13	<0.5	<3	<3	80	0.54
Reference Materials																					
STD DS9	Standard			12	101	123	316	1.5	40	8	568	2.28	21	<2	5	69	2.4	4	7	41	0.70
STD DS9	Standard			11	105	126	332	1.9	38	7	570	2.26	26	<2	6	68	2.2	4	7	38	0.70
STD DS9	Standard			13	111	112	330	1.8	43	8	594	2.43	27	<2	6	68	2.6	5	<3	42	0.73
STD OREAS45CA	Standard			<1	498	25	56	<0.3	243	94	916	15.60	3	<2	7	14	<0.5	<3	<3	213	0.42
STD OREAS45CA	Standard			<1	492	20	56	0.3	246	90	968	15.16	2	<2	8	15	0.6	<3	<3	214	0.45

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Client: **West Cirque Resources**
530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 30, 2012

QUALITY CONTROL REPORT SMI12000086.1

Method		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
Pulp Duplicates																	
REP G1-SMI	QC																
1936089	Drill Core	0.116	7	4	1.10	97	0.003	<20	1.65	0.04	0.27	<2	2.69	<1	<5	6	<5
REP 1936089	QC	0.113	7	4	1.08	83	0.002	<20	1.65	0.04	0.27	<2	2.68	<1	<5	6	<5
1936098	Drill Core	0.118	3	4	0.20	21	<0.001	<20	0.68	0.02	0.37	<2	8.06	<1	<5	<5	<5
REP 1936098	QC																
1936125	Rock	0.004	<1	<1	1.52	<1	<0.001	<20	0.04	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
REP 1936125	QC	0.004	<1	<1	1.53	<1	<0.001	<20	0.05	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
1936129	Drill Core	0.098	4	3	1.18	28	0.001	<20	1.73	0.02	0.29	<2	4.74	<1	<5	<5	<5
REP 1936129	QC																
1936142	Drill Core	0.113	3	5	2.01	54	0.053	<20	2.61	0.05	0.26	<2	2.38	<1	<5	9	6
REP 1936142	QC																
1936160	Drill Core	0.136	9	13	1.06	79	0.001	<20	1.64	0.02	0.32	<2	2.40	<1	<5	5	<5
REP 1936160	QC	0.134	9	13	1.09	87	0.001	<20	1.66	0.02	0.33	<2	2.45	<1	<5	<5	<5
1936164	Drill Core	0.120	8	4	1.00	506	0.009	<20	1.41	0.05	0.24	<2	0.85	<1	<5	<5	<5
REP 1936164	QC																
Core Reject Duplicates																	
1936073	Drill Core	0.110	7	5	0.88	54	0.002	<20	1.41	0.03	0.30	<2	3.76	<1	<5	5	<5
DUP 1936073	QC	0.111	7	4	0.90	42	0.002	<20	1.41	0.03	0.31	<2	4.02	<1	<5	<5	<5
1936107	Drill Core	0.155	18	5	1.44	84	0.002	<20	2.07	0.03	0.18	<2	<0.05	<1	<5	<5	6
DUP 1936107	QC	0.156	18	4	1.46	81	0.002	<20	2.07	0.03	0.18	<2	<0.05	<1	<5	6	6
1936141	Drill Core	0.112	3	3	1.87	103	0.071	<20	2.35	0.04	0.27	<2	3.51	<1	<5	7	5
DUP 1936141	QC	0.111	3	4	1.86	106	0.070	<20	2.39	0.04	0.29	<2	3.49	<1	<5	8	5
Reference Materials																	
STD DS9	Standard	0.080	12	119	0.61	322	0.104	<20	0.93	0.08	0.39	<2	0.17	<1	<5	7	<5
STD DS9	Standard	0.083	11	118	0.62	321	0.099	<20	0.93	0.08	0.39	<2	0.16	<1	7	<5	<5
STD DS9	Standard	0.089	11	125	0.64	335	0.103	<20	0.94	0.08	0.41	2	0.17	<1	<5	<5	<5
STD OREAS45CA	Standard	0.037	16	719	0.13	155	0.133	<20	3.54	0.01	0.07	<2	<0.05	<1	<5	17	46
STD OREAS45CA	Standard	0.038	15	728	0.13	168	0.127	<20	3.50	0.01	0.07	<2	<0.05	<1	8	16	46

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Client: **West Cirque Resources**
530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 30, 2012

QUALITY CONTROL REPORT SMI12000086.1

		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
STD OREAS45CA	Standard			3	473	29	53	<0.3	234	89	897	15.46	3	<2	7	14	<0.5	<3	<3	205	0.42
STD OXG99	Standard		0.972																		
STD OXG99	Standard		0.951																		
STD OXG99	Standard		0.954																		
STD OXG99	Standard		0.961																		
STD OXG99	Standard		1.005																		
STD OXG99	Standard		0.974																		
STD OXG99	Standard		0.943																		
STD OXK94	Standard		3.771																		
STD OXK94	Standard		3.542																		
STD OXK94	Standard		3.594																		
STD OXK94	Standard		3.552																		
STD OXK94	Standard		3.704																		
STD OXK94	Standard		3.605																		
STD OXK94 Expected			3.562																		
STD OXG99 Expected			0.932																		
STD DS9 Expected				12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	0.118	6.38	69.6	2.4	4.94	6.32	40	0.7201
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	0.043	7	15	0.1	0.13	0.19	215	0.4265
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		0.005																		
BLK	Blank		0.006																		
BLK	Blank		<0.005																		
BLK	Blank		0.008																		
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01

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530 - 510 Burrard Street
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Project: None Given
Report Date: July 30, 2012

QUALITY CONTROL REPORT SMI12000086.1

		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
STD OREAS45CA	Standard	0.038	16	707	0.13	158	0.122	<20	3.28	0.01	0.07	<2	<0.05	<1	<5	12	44
STD OXG99	Standard																
STD OXG99	Standard																
STD OXG99	Standard																
STD OXG99	Standard																
STD OXG99	Standard																
STD OXG99	Standard																
STD OXG99	Standard																
STD OXK94	Standard																
STD OXK94	Standard																
STD OXK94	Standard																
STD OXK94	Standard																
STD OXK94	Standard																
STD OXK94	Standard																
STD OXK94 Expected																	
STD OXG99 Expected																	
STD DS9 Expected		0.0819	13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	0.1615	0.2	5.3	4.59	2.5
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.021	0.03	0.07		
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	5	<5	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5

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QUALITY CONTROL REPORT SMI12000086.1

		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
Prep Wash																					
G1-SMI	Prep Blank	<0.01	<0.005	<1	2	5	48	<0.3	3	4	588	2.08	<2	<2	5	65	<0.5	<3	<3	39	0.55
G1-SMI	Prep Blank	<0.01		<1	2	<3	46	<0.3	3	4	568	2.02	<2	<2	5	62	<0.5	<3	<3	39	0.54
G1-SMI	Prep Blank		<0.005																		

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Project: None Given
Report Date: July 30, 2012

QUALITY CONTROL REPORT SMI12000086.1

		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
BLK	Blank																
BLK	Blank																
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank																
BLK	Blank																
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
Prep Wash																	
G1-SMI	Prep Blank	0.081	11	10	0.56	175	0.127	<20	0.99	0.10	0.53	<2	<0.05	<1	<5	<5	<5
G1-SMI	Prep Blank	0.079	11	10	0.54	175	0.122	<20	0.97	0.10	0.51	<2	<0.05	<1	<5	<5	<5
G1-SMI	Prep Blank																

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Client: **West Cirque Resources**
530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Submitted By:	John Bradford
Receiving Lab:	Canada-Smithers
Received:	July 20, 2012
Report Date:	July 30, 2012
Page:	1 of 6

CERTIFICATE OF ANALYSIS SMI12000104.1

CLIENT JOB INFORMATION

Project:	None Given
Shipment ID:	
P.O. Number	
Number of Samples:	139

SAMPLE DISPOSAL

STOR-PLP	Store After 90 days Invoice for Storage
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			SMI
G601	139	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
1D01	139	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: West Cirque Resources
530 - 510 Burrard Street
Vancouver BC V6C 3A8
Canada

CC: Nigel Luckman

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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530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 30, 2012

CERTIFICATE OF ANALYSIS SMI12000104.1

Method		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
G1	Prep Blank	<0.01	<0.005	<1	1	<3	48	<0.3	3	3	585	2.04	<2	<2	7	75	0.8	<3	<3	41	0.52
G1	Prep Blank	<0.01	<0.005	<1	3	<3	49	<0.3	3	3	599	2.07	<2	<2	6	78	0.9	<3	<3	42	0.56
1936165	Drill Core	3.99	0.264	<1	85	6	47	<0.3	2	8	643	3.38	8	<2	4	49	0.9	<3	<3	44	2.11
1936166	Drill Core	4.36	0.113	<1	84	7	58	<0.3	2	9	748	3.68	15	<2	4	71	0.8	<3	<3	56	2.22
1936167	Drill Core	4.04	0.131	<1	139	<3	53	<0.3	2	8	776	3.50	8	<2	4	80	0.8	<3	<3	56	2.58
1936168	Drill Core	4.07	0.141	<1	115	<3	52	<0.3	2	9	766	3.43	11	<2	4	73	0.6	<3	<3	50	2.65
1936169	Drill Core	4.27	0.349	<1	371	<3	40	<0.3	2	16	812	3.53	12	<2	3	85	0.8	<3	5	51	3.24
1936170	Drill Core	4.50	0.819	1	155	4	41	<0.3	2	22	694	3.63	17	<2	4	86	0.8	<3	<3	57	2.91
1936171	Drill Core	4.17	0.650	1	342	3	38	<0.3	2	70	612	5.17	24	<2	3	38	0.9	<3	<3	48	2.15
1936172	Drill Core	4.41	0.387	<1	246	8	50	<0.3	4	23	1075	4.53	54	<2	3	84	0.9	<3	<3	78	4.68
1936173	Drill Core	4.26	0.005	<1	9	5	77	<0.3	9	20	1224	4.73	3	<2	<2	102	1.1	<3	<3	124	4.94
1936174	Drill Core	1.83	0.247	4	627	5	61	<0.3	4	13	1039	5.03	8	<2	4	43	1.0	<3	<3	61	2.53
1936175	Drill Core	2.02	0.250	4	679	8	67	<0.3	5	12	1117	5.19	10	<2	3	49	0.9	<3	<3	66	2.64
1936176	Drill Core	4.18	0.632	5	1691	13	32	1.4	3	27	759	7.97	16	<2	<2	66	1.2	4	11	33	2.22
1936177	Drill Core	3.82	0.305	5	925	4	73	0.6	2	9	1053	4.84	10	<2	3	52	1.0	<3	4	70	2.12
1936178	Drill Core	4.01	0.454	6	1233	<3	58	0.5	2	12	1012	5.64	9	<2	3	40	1.1	3	<3	53	2.50
1936180	Drill Core	3.61	0.175	5	698	5	75	<0.3	2	8	1170	4.35	7	<2	4	65	0.9	<3	<3	66	2.61
1936181	Drill Core	3.88	0.128	8	493	9	69	<0.3	2	9	1103	3.83	7	<2	3	72	0.8	<3	<3	59	2.53
1936182	Drill Core	4.74	0.205	8	466	8	34	<0.3	2	35	845	7.15	14	<2	2	47	0.9	<3	<3	38	2.53
1936183	Drill Core	3.87	0.253	8	318	5	26	<0.3	2	31	672	5.85	18	<2	3	33	0.7	<3	<3	30	1.69
1936184	Drill Core	3.86	0.251	11	758	6	49	<0.3	2	10	809	4.73	6	<2	3	40	0.6	<3	<3	52	2.17
1936185	Drill Core	3.66	0.271	8	279	8	53	<0.3	3	50	904	6.24	11	<2	3	54	0.9	<3	4	42	2.70
1936186	Drill Core	4.15	0.209	5	249	7	44	<0.3	2	31	1034	4.75	12	<2	3	57	0.7	<3	<3	33	3.37
1936187	Drill Core	4.73	0.356	4	272	8	41	0.4	2	11	775	6.77	9	<2	3	31	0.7	<3	<3	38	2.17
1936188	Drill Core	4.42	0.206	3	326	10	50	<0.3	2	11	977	4.57	9	<2	4	42	0.5	<3	3	49	2.71
1936189	Drill Core	3.55	0.161	3	217	5	60	<0.3	2	10	1035	4.20	7	<2	3	43	<0.5	<3	<3	58	2.60
1936190	Drill Core	4.50	0.138	5	179	5	60	<0.3	1	11	1204	3.76	6	<2	3	38	0.5	<3	<3	45	2.82
1936191	Drill Core	4.59	0.658	6	250	25	15	1.1	6	12	667	13.36	23	<2	3	35	1.2	<3	5	17	2.67
1936192	Drill Core	4.51	0.165	3	254	9	34	<0.3	2	63	699	5.75	25	<2	2	24	0.5	<3	<3	28	1.80
1936193	Drill Core	4.26	0.271	4	102	5	37	0.3	1	27	948	4.76	18	<2	3	36	0.7	<3	<3	32	3.06

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Project: None Given
Report Date: July 30, 2012

CERTIFICATE OF ANALYSIS SMI12000104.1

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
G1	Prep Blank	0.083	12	5	0.52	157	0.124	<20	0.94	0.08	0.50	<2	<0.05	<1	<5	<5	<5
G1	Prep Blank	0.083	12	6	0.54	164	0.132	<20	1.03	0.10	0.51	<2	<0.05	<1	<5	<5	<5
1936165	Drill Core	0.134	9	4	1.00	237	0.007	<20	1.43	0.04	0.25	<2	1.57	<1	<5	<5	<5
1936166	Drill Core	0.135	9	4	1.24	344	0.017	<20	1.67	0.05	0.22	<2	1.19	<1	<5	<5	<5
1936167	Drill Core	0.135	9	3	1.08	587	0.015	<20	1.55	0.05	0.25	<2	0.90	<1	<5	<5	<5
1936168	Drill Core	0.131	10	3	1.09	283	0.007	<20	1.56	0.05	0.27	<2	1.22	<1	<5	5	<5
1936169	Drill Core	0.129	10	3	1.04	37	0.004	<20	1.44	0.04	0.27	<2	1.77	<1	<5	<5	<5
1936170	Drill Core	0.133	10	3	1.02	54	0.003	<20	1.42	0.04	0.30	<2	1.64	<1	<5	6	<5
1936171	Drill Core	0.134	8	5	1.02	39	0.001	<20	1.41	0.04	0.32	<2	4.11	<1	<5	5	<5
1936172	Drill Core	0.134	11	11	1.51	219	0.001	<20	2.12	0.03	0.27	<2	1.62	<1	<5	6	7
1936173	Drill Core	0.109	11	23	2.24	344	0.036	<20	2.55	0.02	0.29	<2	<0.05	<1	<5	5	10
1936174	Drill Core	0.124	9	9	1.21	73	0.005	<20	1.84	0.03	0.29	<2	1.95	<1	<5	7	<5
1936175	Drill Core	0.130	10	10	1.29	113	0.008	<20	1.92	0.03	0.28	<2	1.60	<1	<5	6	5
1936176	Drill Core	0.119	5	4	0.62	7	0.002	<20	1.11	0.02	0.34	<2	6.97	<1	<5	<5	<5
1936177	Drill Core	0.133	8	5	1.12	170	0.018	<20	1.64	0.05	0.25	<2	1.41	<1	<5	8	6
1936178	Drill Core	0.120	8	4	0.91	94	0.008	<20	1.50	0.04	0.30	<2	2.86	<1	<5	<5	<5
1936180	Drill Core	0.125	9	3	1.03	821	0.038	<20	1.63	0.04	0.22	<2	0.63	<1	<5	5	6
1936181	Drill Core	0.124	11	3	1.00	332	0.035	<20	1.57	0.05	0.23	<2	0.70	<1	<5	5	6
1936182	Drill Core	0.113	6	4	0.67	9	0.004	<20	1.18	0.02	0.33	<2	6.10	<1	<5	<5	<5
1936183	Drill Core	0.123	6	3	0.72	12	0.001	<20	1.10	0.03	0.32	<2	5.72	<1	<5	<5	<5
1936184	Drill Core	0.124	8	4	0.85	75	0.004	<20	1.28	0.04	0.29	<2	2.85	<1	<5	<5	<5
1936185	Drill Core	0.119	6	6	0.95	13	0.001	<20	1.40	0.03	0.34	<2	4.87	<1	<5	<5	<5
1936186	Drill Core	0.129	8	4	0.81	42	0.001	<20	1.30	0.02	0.37	<2	3.97	<1	<5	<5	<5
1936187	Drill Core	0.128	7	5	0.78	65	0.002	<20	1.24	0.01	0.35	<2	5.67	<1	<5	<5	<5
1936188	Drill Core	0.127	8	3	1.03	145	0.004	<20	1.49	0.02	0.34	<2	2.76	<1	<5	<5	<5
1936189	Drill Core	0.129	8	4	1.16	262	0.004	<20	1.61	0.03	0.28	<2	1.31	<1	<5	5	<5
1936190	Drill Core	0.130	8	3	1.18	175	0.001	<20	1.59	0.02	0.27	<2	1.30	<1	<5	<5	<5
1936191	Drill Core	0.097	5	5	0.35	7	<0.001	<20	0.68	0.01	0.27	<2	>10	<1	<5	<5	<5
1936192	Drill Core	0.126	6	3	0.74	50	<0.001	<20	1.09	<0.01	0.26	<2	5.36	<1	<5	<5	<5
1936193	Drill Core	0.136	7	3	0.84	63	0.001	<20	1.21	0.01	0.29	<2	4.04	<1	<5	5	<5

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Project: None Given
Report Date: July 30, 2012

CERTIFICATE OF ANALYSIS SMI12000104.1

	Method	WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1936194	Drill Core	3.30	0.065	3	126	9	53	<0.3	1	9	977	4.36	9	<2	2	38	<0.5	3	<3	46	2.65
1936195	Drill Core	3.82	0.088	2	129	6	64	<0.3	1	8	953	4.03	7	<2	3	40	<0.5	<3	<3	57	2.41
1936196	Drill Core	3.12	0.083	2	302	7	67	<0.3	2	9	941	4.01	10	<2	3	43	<0.5	<3	<3	62	2.13
1936197	Drill Core	3.93	0.136	2	313	5	63	<0.3	2	9	940	4.44	10	<2	4	43	<0.5	<3	<3	61	2.52
1936198	Drill Core	3.70	0.062	1	159	6	59	<0.3	2	7	909	3.95	8	<2	3	43	<0.5	<3	<3	61	2.67
1936199	Drill Core	3.77	0.355	1	111	<3	53	0.7	2	9	884	4.45	9	<2	4	41	<0.5	<3	7	49	2.41
1936200	Rock Pulp	0.08	0.779	381	>10000	9	66	4.8	32	11	472	2.89	14	<2	<2	40	<0.5	<3	<3	48	0.76
1936201	Drill Core	3.95	0.079	1	143	5	62	0.5	2	7	870	3.72	12	<2	5	46	<0.5	<3	<3	60	1.78
1936202	Drill Core	3.86	0.258	1	120	<3	54	0.3	1	9	945	3.99	16	<2	3	36	<0.5	<3	4	51	2.23
1936203	Drill Core	3.76	0.188	1	193	<3	50	0.6	1	11	860	3.92	8	<2	3	45	<0.5	<3	5	49	2.34
1936204	Drill Core	4.51	0.434	2	235	<3	46	0.5	2	36	792	4.76	13	<2	3	36	<0.5	<3	<3	46	2.09
1936205	Drill Core	4.11	0.116	<1	97	<3	42	<0.3	1	14	1045	3.65	7	<2	3	61	<0.5	<3	6	51	3.43
1936206	Drill Core	4.39	0.361	2	423	<3	33	1.2	1	24	1123	4.36	11	<2	4	78	<0.5	<3	5	24	4.36
1936207	Drill Core	4.39	0.215	18	215	5	40	0.5	<1	19	1063	3.89	6	<2	4	61	<0.5	<3	<3	40	3.63
1936208	Drill Core	4.31	0.264	1	465	11	21	0.5	1	16	892	6.22	18	<2	3	54	<0.5	5	10	19	3.13
1936209	Drill Core	4.11	0.167	14	406	6	23	0.5	1	10	975	2.96	83	<2	2	65	<0.5	<3	5	35	3.77
1936210	Drill Core	4.29	0.324	21	219	5	49	0.8	2	30	1021	4.26	8	<2	4	73	<0.5	<3	<3	61	2.92
1936211	Drill Core	4.10	0.186	<1	132	5	35	0.3	1	17	1008	3.46	8	<2	2	86	<0.5	<3	<3	52	3.28
1936212	Drill Core	4.17	0.075	<1	114	<3	28	0.4	1	6	933	3.55	3	<2	4	68	<0.5	<3	<3	57	3.70
1936213	Drill Core	4.21	0.432	18	409	4	29	0.3	1	12	1534	2.99	12	<2	2	115	<0.5	<3	<3	30	6.32
1936214	Drill Core	3.69	0.109	8	104	<3	44	0.5	1	7	836	2.61	4	<2	2	61	<0.5	<3	<3	18	2.53
1936215	Drill Core	4.52	0.082	4	32	3	71	0.5	2	9	2718	4.03	<2	<2	<2	162	<0.5	<3	<3	31	9.10
1936216	Drill Core	4.36	0.312	3	77	4	48	0.7	1	20	1624	5.56	10	<2	2	122	<0.5	<3	5	30	5.99
1936217	Drill Core	4.52	0.115	4	85	6	37	0.4	1	37	1099	4.50	8	<2	3	79	<0.5	<3	5	44	2.98
1936218	Drill Core	3.46	0.045	2	107	4	29	<0.3	1	10	1183	3.25	3	<2	4	90	<0.5	4	4	40	3.41
1936219	Drill Core	4.49	0.112	1	133	8	31	<0.3	1	23	1403	4.02	34	<2	<2	121	<0.5	<3	<3	42	4.39
1936220	Drill Core	4.22	0.061	9	55	7	29	<0.3	1	10	949	3.23	13	<2	4	82	<0.5	<3	<3	47	3.62
1936221	Drill Core	4.25	0.039	<1	69	4	17	<0.3	1	8	885	2.66	11	<2	4	83	<0.5	<3	<3	34	4.03
1936222	Drill Core	4.14	0.078	3	150	5	3	<0.3	<1	9	683	1.86	23	<2	2	95	<0.5	<3	3	9	2.99
1936223	Drill Core	4.07	0.036	3	108	4	7	<0.3	1	8	489	2.26	21	<2	3	133	<0.5	<3	<3	12	2.16

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Project: None Given
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CERTIFICATE OF ANALYSIS SMI12000104.1

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1936194	Drill Core	0.127	8	3	1.03	141	0.004	<20	1.50	0.02	0.31	<2	2.17	<1	<5	<5	<5
1936195	Drill Core	0.131	8	4	1.21	243	0.006	<20	1.59	0.03	0.22	<2	1.09	<1	<5	6	<5
1936196	Drill Core	0.138	8	4	1.32	262	0.007	<20	1.79	0.04	0.26	<2	0.99	<1	<5	7	5
1936197	Drill Core	0.145	8	4	1.28	266	0.004	<20	1.82	0.03	0.30	<2	1.26	<1	<5	6	5
1936198	Drill Core	0.131	8	4	1.18	291	0.005	<20	1.63	0.04	0.26	<2	0.55	<1	<5	6	<5
1936199	Drill Core	0.122	7	3	1.02	227	0.002	<20	1.49	0.03	0.27	<2	1.98	<1	<5	8	<5
1936200	Rock Pulp	0.051	5	43	0.62	130	0.096	<20	1.27	0.09	0.11	24	0.82	<1	<5	<5	<5
1936201	Drill Core	0.123	6	4	1.15	448	0.017	<20	1.56	0.04	0.21	<2	0.66	<1	<5	7	<5
1936202	Drill Core	0.123	7	3	1.09	219	0.002	<20	1.63	0.03	0.28	<2	1.27	<1	<5	10	<5
1936203	Drill Core	0.122	7	2	1.05	258	0.002	<20	1.40	0.03	0.23	<2	1.55	<1	<5	6	<5
1936204	Drill Core	0.118	7	3	0.87	109	0.005	<20	1.16	0.03	0.19	<2	3.08	<1	<5	5	<5
1936205	Drill Core	0.116	9	3	0.74	220	0.007	<20	1.14	0.03	0.21	<2	1.28	<1	<5	6	6
1936206	Drill Core	0.117	7	2	0.54	36	0.001	<20	1.04	0.02	0.20	<2	2.96	<1	<5	<5	<5
1936207	Drill Core	0.119	8	2	0.75	192	<0.001	<20	1.22	0.02	0.20	<2	1.73	<1	<5	6	<5
1936208	Drill Core	0.121	6	2	0.43	30	<0.001	<20	0.99	0.01	0.32	<2	5.88	<1	<5	<5	<5
1936209	Drill Core	0.126	8	2	0.46	260	<0.001	<20	1.07	0.02	0.30	<2	0.80	<1	<5	<5	<5
1936210	Drill Core	0.121	8	3	1.01	256	0.003	<20	1.52	0.04	0.23	<2	1.27	<1	<5	7	6
1936211	Drill Core	0.123	8	3	0.82	460	0.003	<20	1.38	0.03	0.24	<2	0.82	<1	<5	6	5
1936212	Drill Core	0.127	10	3	0.70	277	0.001	<20	1.31	0.03	0.28	<2	0.15	<1	<5	11	5
1936213	Drill Core	0.115	10	2	0.55	367	<0.001	<20	1.10	0.02	0.24	<2	0.96	<1	<5	6	5
1936214	Drill Core	0.129	7	1	0.49	196	<0.001	<20	1.21	0.02	0.24	<2	0.81	<1	<5	<5	<5
1936215	Drill Core	0.097	8	<1	1.07	120	<0.001	<20	1.68	0.01	0.18	<2	1.22	<1	<5	8	<5
1936216	Drill Core	0.110	8	2	0.83	30	<0.001	<20	1.39	0.01	0.24	<2	4.09	<1	<5	6	<5
1936217	Drill Core	0.124	8	2	0.78	51	0.003	<20	1.34	0.03	0.27	<2	2.85	<1	<5	7	5
1936218	Drill Core	0.130	10	4	0.64	353	0.002	<20	1.29	0.02	0.30	<2	1.15	<1	<5	7	<5
1936219	Drill Core	0.115	8	2	0.59	30	0.009	<20	1.12	0.04	0.25	<2	2.31	<1	<5	<5	<5
1936220	Drill Core	0.127	11	3	0.52	299	0.003	<20	1.17	0.03	0.30	<2	0.80	<1	<5	6	<5
1936221	Drill Core	0.127	11	2	0.30	217	0.002	<20	0.94	0.02	0.31	<2	0.55	<1	<5	<5	<5
1936222	Drill Core	0.117	9	3	0.10	142	<0.001	<20	0.56	0.01	0.31	<2	1.42	<1	<5	<5	<5
1936223	Drill Core	0.130	11	<1	0.21	227	<0.001	<20	0.81	0.01	0.28	<2	0.93	<1	<5	<5	<5

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530 - 510 Burrard Street
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Project: None Given
Report Date: July 30, 2012

CERTIFICATE OF ANALYSIS SMI12000104.1

Method		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1936224	Drill Core	4.67	0.176	1	255	<3	15	0.4	1	10	771	3.39	23	<2	3	66	<0.5	<3	<3	18	2.70
1936225	Rock	0.69	<0.005	<1	<1	<3	<1	<0.3	<1	<1	21	0.03	<2	<2	<2	5505	<0.5	<3	<3	2	39.91
1936226	Drill Core	4.77	0.094	1	87	4	19	<0.3	16	16	1428	4.63	10	<2	<2	77	<0.5	<3	3	54	4.76
1936227	Drill Core	4.24	0.008	<1	133	<3	41	<0.3	33	18	1519	5.05	6	<2	<2	106	<0.5	<3	<3	84	6.22
1936228	Drill Core	4.39	0.008	<1	34	<3	42	<0.3	61	25	1125	5.21	3	<2	<2	90	<0.5	<3	<3	127	4.53
1936229	Drill Core	4.26	0.008	1	24	<3	31	<0.3	21	12	1509	5.39	4	<2	<2	77	<0.5	<3	<3	61	5.55
1936230	Drill Core	4.15	0.018	<1	30	<3	27	<0.3	2	7	1160	3.03	<2	<2	2	85	<0.5	<3	<3	39	4.36
1936231	Drill Core	4.32	0.050	1	62	<3	36	<0.3	<1	6	1503	2.64	3	<2	2	95	<0.5	<3	<3	19	5.68
1936232	Drill Core	4.43	2.231	16	460	10	21	<0.3	1	28	1006	5.84	13	2	2	67	<0.5	<3	<3	28	3.80
1936233	Drill Core	4.09	2.699	9	729	6	27	<0.3	1	26	704	5.43	8	<2	3	39	<0.5	<3	<3	45	2.07
1936234	Drill Core	4.02	0.236	19	316	10	42	<0.3	2	13	992	4.09	4	<2	3	69	0.6	<3	<3	76	2.64
1936235	Drill Core	4.29	0.480	4	119	6	28	0.7	1	11	1582	4.68	5	<2	2	102	0.7	<3	4	36	5.12
1936236	Drill Core	4.42	0.498	9	236	6	6	<0.3	2	12	885	4.05	6	<2	<2	69	0.6	<3	<3	12	3.83
1936237	Drill Core	3.99	0.066	1	182	5	19	<0.3	1	12	1361	2.71	9	<2	3	93	<0.5	<3	<3	30	3.98
1936238	Drill Core	4.08	0.037	3	125	<3	51	<0.3	2	10	887	3.50	<2	<2	3	82	<0.5	<3	3	69	2.02
1936239	Drill Core	3.88	0.039	4	89	<3	44	<0.3	1	7	803	3.55	<2	<2	3	67	<0.5	<3	5	63	2.05
1936240	Drill Core	3.98	0.075	4	140	<3	38	<0.3	2	7	774	3.40	<2	<2	3	67	<0.5	<3	<3	60	2.66
1936241	Drill Core	4.12	0.161	9	387	<3	35	<0.3	2	23	1214	3.18	5	<2	2	103	0.6	<3	<3	21	5.83
1936242	Drill Core	3.94	0.647	6	552	3	23	0.5	2	14	710	3.70	2	<2	3	58	<0.5	<3	4	32	3.16
1936243	Drill Core	3.75	0.135	2	267	<3	19	<0.3	1	10	952	2.80	3	<2	3	88	<0.5	<3	<3	25	3.99
1936244	Drill Core	3.91	0.108	4	220	<3	27	<0.3	2	11	816	3.77	4	<2	3	53	0.5	<3	5	35	3.18
1936245	Drill Core	3.30	0.222	2	168	<3	30	0.4	2	9	684	4.23	<2	<2	3	47	<0.5	<3	6	46	2.49
1936246	Drill Core	3.75	0.206	1	254	<3	33	<0.3	2	9	574	3.75	7	<2	3	39	<0.5	<3	<3	55	1.35
1936247	Drill Core	4.21	0.137	4	102	<3	32	<0.3	1	13	601	4.54	5	<2	3	40	<0.5	<3	<3	50	1.72
1936248	Drill Core	3.91	0.094	6	228	<3	30	<0.3	2	13	453	4.80	9	<2	4	29	0.5	<3	<3	45	1.14
1936249	Drill Core	3.38	0.064	2	99	<3	39	<0.3	2	6	598	3.40	<2	<2	3	36	<0.5	<3	<3	51	1.24
1936250	Rock Pulp	0.08	0.489	336	5517	7	48	1.1	26	12	441	3.14	<2	<2	<2	40	0.6	<3	<3	59	0.84
1936251	Drill Core	4.09	0.119	4	180	6	36	<0.3	1	7	576	4.08	5	<2	3	40	<0.5	<3	5	52	1.51
1936252	Drill Core	3.36	0.147	7	122	3	28	<0.3	1	10	402	4.40	3	<2	4	26	<0.5	<3	<3	43	0.90
1936253	Drill Core	4.08	0.710	10	316	4	17	0.6	2	17	748	5.65	11	<2	3	67	0.6	<3	<3	27	3.23

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Project: None Given
Report Date: July 30, 2012

CERTIFICATE OF ANALYSIS SMI12000104.1

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1936224	Drill Core	0.122	10	2	0.35	204	<0.001	<20	0.93	0.01	0.28	<2	2.00	<1	<5	<5	<5
1936225	Rock	0.003	<1	<1	1.58	6	<0.001	<20	0.03	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
1936226	Drill Core	0.170	12	24	1.54	317	0.001	<20	2.32	0.01	0.28	<2	0.33	<1	<5	14	6
1936227	Drill Core	0.138	12	61	2.06	120	0.016	<20	2.92	0.07	0.25	<2	0.12	<1	<5	13	10
1936228	Drill Core	0.099	8	84	2.74	32	0.065	<20	3.53	0.21	0.15	<2	0.08	<1	<5	22	12
1936229	Drill Core	0.178	15	32	1.69	59	0.003	<20	2.78	0.01	0.29	<2	<0.05	<1	<5	15	8
1936230	Drill Core	0.126	12	2	0.60	315	0.001	<20	1.27	0.02	0.32	<2	0.32	<1	<5	8	<5
1936231	Drill Core	0.119	10	<1	0.57	176	<0.001	<20	1.12	0.01	0.21	<2	0.68	<1	<5	<5	<5
1936232	Drill Core	0.117	8	2	0.52	18	0.002	<20	1.10	0.02	0.31	<2	4.91	<1	<5	6	<5
1936233	Drill Core	0.121	6	2	0.76	43	0.006	<20	1.03	0.03	0.20	<2	4.21	<1	<5	<5	<5
1936234	Drill Core	0.123	8	5	0.97	336	0.017	<20	1.43	0.06	0.22	<2	1.36	<1	6	6	6
1936235	Drill Core	0.109	8	3	0.81	47	0.002	<20	1.16	0.02	0.24	<2	3.13	1	<5	<5	<5
1936236	Drill Core	0.121	7	4	0.15	39	0.001	<20	0.52	0.02	0.30	<2	4.03	<1	8	<5	<5
1936237	Drill Core	0.130	10	3	0.44	340	<0.001	<20	0.93	0.01	0.31	<2	0.95	<1	7	<5	<5
1936238	Drill Core	0.127	7	5	1.06	1109	0.034	<20	1.42	0.05	0.20	<2	0.48	<1	<5	7	<5
1936239	Drill Core	0.130	7	4	1.06	791	0.024	<20	1.45	0.04	0.20	<2	0.74	<1	<5	7	<5
1936240	Drill Core	0.129	8	4	1.03	628	0.004	<20	1.45	0.04	0.25	<2	0.72	<1	9	6	<5
1936241	Drill Core	0.122	8	2	0.50	130	<0.001	<20	1.06	0.01	0.25	<2	1.81	<1	5	<5	<5
1936242	Drill Core	0.120	7	2	0.64	81	<0.001	<20	1.10	0.02	0.29	<2	2.65	<1	<5	<5	<5
1936243	Drill Core	0.124	8	2	0.45	172	<0.001	<20	1.04	0.02	0.31	<2	1.61	<1	<5	<5	<5
1936244	Drill Core	0.125	7	4	0.70	139	0.001	<20	1.24	0.02	0.34	<2	2.55	<1	<5	<5	<5
1936245	Drill Core	0.125	7	3	0.88	169	0.008	<20	1.29	0.03	0.26	<2	2.74	<1	<5	<5	<5
1936246	Drill Core	0.127	6	4	0.99	330	0.033	<20	1.44	0.04	0.24	2	1.48	<1	<5	6	<5
1936247	Drill Core	0.124	6	4	0.87	101	0.009	<20	1.33	0.04	0.26	<2	2.88	<1	<5	5	<5
1936248	Drill Core	0.124	5	4	0.76	178	0.023	<20	1.24	0.04	0.31	<2	3.65	<1	<5	5	<5
1936249	Drill Core	0.126	6	3	0.99	281	0.041	<20	1.39	0.04	0.19	<2	1.19	<1	<5	7	<5
1936250	Rock Pulp	0.053	5	29	0.71	123	0.123	<20	1.48	0.10	0.14	13	0.64	<1	<5	9	<5
1936251	Drill Core	0.126	6	4	0.99	224	0.017	<20	1.45	0.05	0.24	<2	2.46	<1	<5	8	<5
1936252	Drill Core	0.123	5	4	0.82	155	0.024	<20	1.25	0.04	0.28	<2	3.32	<1	<5	7	<5
1936253	Drill Core	0.113	4	4	0.61	21	0.007	<20	1.07	0.02	0.34	<2	5.11	<1	<5	<5	<5

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CERTIFICATE OF ANALYSIS SMI12000104.1

	Method	WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1936254	Drill Core	3.40	0.132	4	236	4	26	<0.3	2	7	704	3.75	4	<2	3	56	<0.5	<3	4	50	2.57
1936255	Drill Core	3.71	0.354	2	604	8	20	<0.3	2	11	466	4.27	6	<2	4	41	<0.5	<3	<3	45	1.98
1936256	Drill Core	3.74	0.396	2	375	<3	18	<0.3	2	12	478	4.93	8	<2	4	32	0.5	<3	4	37	1.53
1936257	Drill Core	4.02	0.255	7	118	5	26	0.6	1	10	466	7.91	32	<2	4	22	<0.5	<3	<3	41	0.96
1936258	Drill Core	3.67	0.177	1	251	6	40	<0.3	2	10	649	3.95	5	<2	4	42	<0.5	<3	4	76	1.32
1936259	Drill Core	3.45	0.158	6	275	<3	29	<0.3	2	8	652	4.51	7	<2	4	51	<0.5	<3	<3	58	1.72
1936260	Drill Core	3.56	0.209	11	348	4	27	<0.3	2	6	620	3.96	4	<2	3	42	<0.5	<3	4	47	1.92
1936261	Drill Core	3.92	0.370	7	380	<3	23	<0.3	1	6	660	3.77	4	<2	4	56	<0.5	<3	16	42	2.53
1936262	Drill Core	3.84	0.488	47	307	10	23	<0.3	1	15	532	8.71	27	<2	3	31	<0.5	<3	4	37	1.69
1936263	Drill Core	3.82	0.467	1	546	<3	22	0.6	2	11	448	6.36	5	<2	4	27	0.5	<3	<3	38	1.23
1936264	Drill Core	3.27	0.453	3	798	6	33	0.6	1	13	638	6.01	23	<2	3	37	0.6	<3	4	54	1.55
1936265	Drill Core	3.33	0.220	10	639	<3	35	<0.3	1	9	682	3.74	7	<2	4	38	<0.5	<3	4	49	1.72
1936266	Drill Core	3.89	0.189	2	253	4	31	<0.3	1	6	765	3.73	5	<2	4	63	0.5	<3	8	46	2.80
1936267	Drill Core	4.30	0.473	2	250	6	31	<0.3	1	8	753	3.99	12	<2	3	109	<0.5	<3	6	40	2.68
1936268	Drill Core	4.31	0.186	5	226	8	47	<0.3	1	10	716	4.20	15	<2	4	115	<0.5	<3	3	66	2.17
1936269	Drill Core	4.19	0.127	4	280	5	41	<0.3	2	13	694	4.44	17	<2	4	134	0.5	<3	4	63	2.27
1936270	Drill Core	4.32	0.204	1	656	12	36	0.6	<1	11	666	4.75	7	<2	3	102	<0.5	<3	4	62	2.32
1936271	Drill Core	4.46	0.120	1	138	7	38	<0.3	<1	10	707	3.97	18	<2	4	129	<0.5	<3	<3	55	2.78
1936272	Drill Core	4.38	0.131	9	465	13	43	<0.3	<1	13	708	3.89	12	<2	4	147	<0.5	<3	<3	60	2.67
1936273	Drill Core	4.30	0.167	19	352	8	42	<0.3	<1	14	655	4.02	12	<2	4	142	<0.5	<3	<3	69	2.81
1936274	Drill Core	1.87	0.138	1	230	11	45	<0.3	<1	10	662	3.87	12	<2	4	150	<0.5	<3	<3	68	2.78
1936275	Drill Core	1.90	0.140	4	201	10	39	<0.3	<1	10	577	3.60	12	<2	3	156	<0.5	<3	3	59	2.89
1936276	Drill Core	5.03	1.149	7	586	19	20	1.4	<1	11	488	10.17	21	<2	3	111	<0.5	<3	5	37	2.77
1936277	Drill Core	4.54	0.185	10	303	8	36	<0.3	<1	10	684	4.48	8	<2	3	171	<0.5	<3	7	67	2.94
1936278	Drill Core	4.61	0.318	12	458	16	33	0.7	<1	16	561	5.48	21	<2	3	159	<0.5	<3	3	42	3.11
1936279	Drill Core	4.76	0.192	4	221	14	29	0.4	<1	13	509	5.06	11	<2	4	139	<0.5	<3	3	60	2.56
1936280	Drill Core	4.40	0.143	23	597	8	36	<0.3	<1	12	504	4.44	5	<2	4	121	<0.5	<3	6	81	2.28
1936281	Drill Core	4.30	0.182	8	486	8	30	0.4	<1	18	451	4.74	7	<2	3	145	<0.5	<3	6	62	2.05
1936282	Drill Core	4.38	0.111	9	388	10	32	<0.3	2	20	498	4.21	6	<2	4	186	<0.5	<3	<3	65	2.55
1936283	Drill Core	4.25	0.199	5	324	11	31	<0.3	2	19	506	4.18	5	<2	3	179	<0.5	<3	4	58	2.85

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CERTIFICATE OF ANALYSIS SMI12000104.1

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1936254	Drill Core	0.131	7	2	0.89	276	0.003	<20	1.37	0.03	0.30	<2	2.14	<1	6	7	<5
1936255	Drill Core	0.127	6	4	0.81	88	0.005	<20	1.24	0.04	0.31	<2	3.59	<1	<5	6	<5
1936256	Drill Core	0.126	5	3	0.84	116	0.005	<20	1.23	0.03	0.31	<2	4.31	<1	<5	6	<5
1936257	Drill Core	0.118	4	4	1.22	100	0.009	<20	1.58	0.02	0.31	<2	6.20	<1	<5	6	<5
1936258	Drill Core	0.133	7	5	1.14	229	0.042	<20	1.55	0.05	0.21	<2	1.14	<1	<5	8	<5
1936259	Drill Core	0.127	6	4	0.92	131	0.024	<20	1.42	0.04	0.30	<2	2.16	<1	<5	7	<5
1936260	Drill Core	0.128	6	4	0.90	88	0.006	<20	1.34	0.02	0.28	<2	2.37	<1	<5	6	<5
1936261	Drill Core	0.131	7	3	0.79	212	0.003	<20	1.29	0.02	0.32	<2	2.19	<1	<5	6	<5
1936262	Drill Core	0.109	5	4	0.79	38	0.006	<20	1.25	0.02	0.30	<2	7.33	<1	<5	5	<5
1936263	Drill Core	0.129	5	3	0.84	123	0.007	<20	1.30	0.02	0.31	<2	5.30	<1	<5	5	<5
1936264	Drill Core	0.124	6	5	0.93	123	0.017	<20	1.43	0.04	0.29	<2	4.16	<1	<5	7	<5
1936265	Drill Core	0.120	6	4	0.95	226	0.010	<20	1.44	0.03	0.26	<2	1.30	<1	<5	8	<5
1936266	Drill Core	0.127	8	4	0.76	229	0.004	<20	1.29	0.03	0.30	<2	1.60	<1	<5	6	<5
1936267	Drill Core	0.118	7	4	0.84	73	0.008	<20	1.30	0.03	0.28	<2	2.75	<1	<5	5	<5
1936268	Drill Core	0.118	6	7	1.00	156	0.035	<20	1.43	0.05	0.18	<2	2.35	<1	<5	8	<5
1936269	Drill Core	0.115	6	4	1.06	118	0.024	<20	1.47	0.05	0.21	<2	3.25	<1	<5	7	<5
1936270	Drill Core	0.119	6	5	1.00	130	0.019	<20	1.37	0.04	0.17	<2	3.03	<1	<5	7	<5
1936271	Drill Core	0.125	6	3	0.93	185	0.018	<20	1.40	0.04	0.25	<2	2.64	<1	<5	6	<5
1936272	Drill Core	0.123	5	5	1.08	186	0.023	<20	1.42	0.03	0.16	<2	2.50	<1	<5	7	<5
1936273	Drill Core	0.119	6	4	0.99	220	0.040	<20	1.42	0.05	0.19	<2	2.16	<1	<5	7	<5
1936274	Drill Core	0.124	6	4	0.96	161	0.039	<20	1.41	0.06	0.21	<2	2.34	<1	<5	8	<5
1936275	Drill Core	0.117	6	4	0.83	141	0.034	<20	1.26	0.05	0.21	<2	2.71	<1	<5	6	<5
1936276	Drill Core	0.098	5	3	0.67	21	0.008	<20	1.04	0.03	0.24	<2	9.87	<1	<5	5	<5
1936277	Drill Core	0.119	6	5	1.04	217	0.009	<20	1.49	0.04	0.26	<2	2.20	<1	<5	7	<5
1936278	Drill Core	0.112	5	4	0.64	113	0.003	<20	1.19	0.02	0.27	<2	4.56	<1	<5	6	<5
1936279	Drill Core	0.119	6	6	0.82	128	0.016	<20	1.27	0.04	0.26	<2	3.80	<1	<5	7	<5
1936280	Drill Core	0.117	5	5	1.02	126	0.050	<20	1.37	0.05	0.18	<2	1.88	<1	<5	9	<5
1936281	Drill Core	0.116	5	6	0.91	148	0.034	<20	1.32	0.04	0.21	<2	3.69	<1	<5	8	<5
1936282	Drill Core	0.118	5	4	0.96	210	0.022	<20	1.36	0.04	0.20	<2	2.24	<1	5	8	<5
1936283	Drill Core	0.118	6	4	0.93	168	0.022	<20	1.33	0.03	0.23	<2	3.22	<1	<5	6	<5

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Project: None Given
Report Date: July 30, 2012

CERTIFICATE OF ANALYSIS SMI12000104.1

	Method	WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
1936284	Drill Core	4.41	0.288	5	748	9	33	0.3	2	21	569	4.42	9	<2	4	154	<0.5	<3	4	54	2.53
1936285	Drill Core	4.35	0.046	2	99	5	40	<0.3	1	10	697	3.87	5	<2	4	144	<0.5	<3	<3	73	2.84
1936286	Drill Core	4.37	0.089	6	246	9	41	<0.3	2	14	617	3.79	5	<2	3	139	<0.5	<3	<3	68	2.49
1936287	Drill Core	4.23	0.128	3	126	6	33	<0.3	<1	14	765	3.76	5	<2	3	114	<0.5	<3	3	57	3.01
1936288	Drill Core	4.21	0.148	4	260	10	26	<0.3	<1	15	770	3.82	7	<2	4	126	<0.5	<3	7	32	3.58
1936289	Drill Core	4.47	0.089	5	133	9	47	<0.3	2	11	780	3.82	4	<2	3	168	<0.5	<3	5	60	3.10
1936290	Drill Core	4.53	0.184	4	207	8	45	<0.3	2	11	718	3.91	3	<2	4	147	<0.5	<3	4	66	2.45
1936291	Drill Core	4.06	0.316	4	367	8	39	<0.3	<1	16	704	3.95	10	<2	3	128	<0.5	<3	4	46	2.50
1936292	Drill Core	4.70	0.202	17	350	7	42	<0.3	<1	11	779	3.98	5	<2	3	115	<0.5	<3	4	41	2.66
1936293	Drill Core	4.60	0.375	4	371	11	39	<0.3	1	12	759	4.57	6	<2	3	109	<0.5	<3	4	42	2.63
1936294	Drill Core	4.24	1.179	4	402	8	39	0.4	1	10	546	3.98	6	<2	3	134	<0.5	<3	4	47	2.37
1936295	Drill Core	4.14	0.573	10	405	4	43	0.5	1	11	517	4.15	8	<2	3	126	<0.5	<3	4	40	1.91
1936296	Drill Core	4.57	0.247	4	313	6	48	<0.3	2	10	552	3.67	5	<2	3	84	<0.5	<3	<3	55	1.76
1936297	Drill Core	4.62	1.372	21	585	8	30	0.6	2	9	511	3.94	<2	<2	3	127	<0.5	<3	<3	47	3.22
1936298	Drill Core	4.54	0.210	7	315	3	41	<0.3	2	9	593	3.62	7	<2	4	76	<0.5	<3	4	54	2.35
1936299	Drill Core	3.85	0.387	11	821	10	41	0.5	1	12	587	3.31	5	<2	3	140	<0.5	<3	4	47	2.27
1936300	Rock Pulp	0.07	0.756	201	9902	9	45	1.3	27	14	553	3.92	6	<2	2	80	0.6	<3	<3	56	1.08
1936301	Drill Core	3.56	0.684	10	1373	9	31	1.1	1	13	556	3.04	14	<2	3	341	<0.5	<3	<3	24	3.24
1936302	Drill Core	4.09	0.167	17	788	7	53	0.3	2	6	677	3.89	4	<2	3	122	<0.5	<3	5	56	2.46
1936303	Drill Core	2.93	0.175	7	203	7	51	<0.3	<1	6	762	3.65	2	<2	3	96	<0.5	<3	<3	51	2.89
1936304	Drill Core	2.08	0.432	9	450	<3	46	1.1	2	6	712	3.04	5	<2	3	156	<0.5	<3	3	32	3.54

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Project: None Given
Report Date: July 30, 2012

CERTIFICATE OF ANALYSIS SMI12000104.1

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1936284	Drill Core	0.123	7	5	0.91	149	0.018	<20	1.36	0.03	0.26	<2	3.23	<1	<5	7	<5
1936285	Drill Core	0.123	9	3	0.99	396	0.011	<20	1.41	0.05	0.24	<2	0.80	<1	<5	7	<5
1936286	Drill Core	0.118	7	4	1.07	193	0.010	<20	1.39	0.04	0.22	<2	1.29	<1	<5	7	<5
1936287	Drill Core	0.118	7	4	0.96	258	0.003	<20	1.36	0.03	0.30	<2	1.74	<1	<5	5	<5
1936288	Drill Core	0.119	6	3	0.66	85	0.002	<20	1.12	0.02	0.32	<2	3.21	<1	<5	<5	<5
1936289	Drill Core	0.118	7	3	0.98	264	0.008	<20	1.45	0.04	0.25	<2	1.74	<1	<5	8	<5
1936290	Drill Core	0.120	7	5	0.96	229	0.040	<20	1.41	0.04	0.24	<2	1.95	<1	<5	6	<5
1936291	Drill Core	0.123	6	3	0.90	193	0.011	<20	1.46	0.04	0.28	<2	2.52	<1	<5	6	<5
1936292	Drill Core	0.119	7	3	0.97	267	0.027	<20	1.47	0.03	0.21	<2	1.82	<1	<5	6	<5
1936293	Drill Core	0.124	7	3	0.99	169	0.007	<20	1.45	0.02	0.25	<2	3.10	<1	<5	6	<5
1936294	Drill Core	0.121	6	3	0.90	181	0.023	<20	1.25	0.03	0.20	<2	2.52	<1	<5	7	<5
1936295	Drill Core	0.119	7	2	0.96	182	0.033	<20	1.34	0.03	0.18	<2	2.76	<1	<5	7	<5
1936296	Drill Core	0.123	6	3	1.05	173	0.043	<20	1.39	0.03	0.15	<2	1.18	<1	<5	7	<5
1936297	Drill Core	0.116	6	3	0.76	108	0.032	<20	1.10	0.03	0.17	<2	2.79	<1	7	5	<5
1936298	Drill Core	0.127	6	3	1.05	162	0.033	<20	1.37	0.03	0.18	<2	1.13	<1	<5	6	<5
1936299	Drill Core	0.120	7	3	0.94	238	0.024	<20	1.24	0.03	0.17	<2	1.40	<1	<5	6	<5
1936300	Rock Pulp	0.061	9	31	0.73	125	0.103	<20	1.53	0.12	0.23	10	1.27	<1	<5	9	6
1936301	Drill Core	0.111	8	3	0.63	88	0.002	<20	1.05	0.02	0.29	<2	2.41	<1	<5	<5	<5
1936302	Drill Core	0.119	14	4	1.06	358	0.003	<20	1.58	0.03	0.29	<2	0.80	<1	6	6	<5
1936303	Drill Core	0.121	13	3	1.00	225	0.002	<20	1.60	0.03	0.30	<2	0.64	<1	<5	6	<5
1936304	Drill Core	0.120	11	3	0.73	466	0.001	<20	1.28	0.02	0.28	3	0.73	<1	<5	<5	<5

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Project: None Given
Report Date: July 30, 2012

QUALITY CONTROL REPORT SMI12000104.1

	Method	WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
Pulp Duplicates																					
1936184	Drill Core	3.86	0.251	11	758	6	49	<0.3	2	10	809	4.73	6	<2	3	40	0.6	<3	<3	52	2.17
REP 1936184	QC			11	779	7	51	<0.3	2	11	828	4.90	6	<2	4	42	0.7	<3	<3	53	2.23
1936218	Drill Core	3.46	0.045	2	107	4	29	<0.3	1	10	1183	3.25	3	<2	4	90	<0.5	4	4	40	3.41
REP 1936218	QC		0.043																		
1936219	Drill Core	4.49	0.112	1	133	8	31	<0.3	1	23	1403	4.02	34	<2	<2	121	<0.5	<3	<3	42	4.39
REP 1936219	QC			3	134	7	32	<0.3	3	24	1414	4.08	33	<2	3	122	<0.5	<3	<3	43	4.40
1936252	Drill Core	3.36	0.147	7	122	3	28	<0.3	1	10	402	4.40	3	<2	4	26	<0.5	<3	<3	43	0.90
REP 1936252	QC		0.147																		
1936254	Drill Core	3.40	0.132	4	236	4	26	<0.3	2	7	704	3.75	4	<2	3	56	<0.5	<3	4	50	2.57
REP 1936254	QC			4	239	7	27	<0.3	2	8	711	3.83	6	<2	4	55	<0.5	<3	<3	50	2.59
1936286	Drill Core	4.37	0.089	6	246	9	41	<0.3	2	14	617	3.79	5	<2	3	139	<0.5	<3	<3	68	2.49
REP 1936286	QC		0.079																		
1936289	Drill Core	4.47	0.089	5	133	9	47	<0.3	2	11	780	3.82	4	<2	3	168	<0.5	<3	5	60	3.10
REP 1936289	QC			5	135	6	48	<0.3	1	11	801	3.87	5	<2	3	173	<0.5	<3	<3	60	3.14
REP 1936294	QC		1.249																		
1936304	Drill Core	2.08	0.432	9	450	<3	46	1.1	2	6	712	3.04	5	<2	3	156	<0.5	<3	3	32	3.54
REP 1936304	QC			9	450	5	47	1.0	2	6	724	3.05	4	<2	3	156	<0.5	<3	3	33	3.57
Core Reject Duplicates																					
1936192	Drill Core	4.51	0.165	3	254	9	34	<0.3	2	63	699	5.75	25	<2	2	24	0.5	<3	<3	28	1.80
DUP 1936192	QC	<0.01	0.181	4	258	17	37	0.3	2	67	719	6.24	28	<2	3	25	0.5	<3	<3	31	1.86
1936226	Drill Core	4.77	0.094	1	87	4	19	<0.3	16	16	1428	4.63	10	<2	<2	77	<0.5	<3	3	54	4.76
DUP 1936226	QC	<0.01	0.083	<1	87	<3	19	0.4	17	16	1442	4.71	10	<2	<2	93	<0.5	4	4	54	5.00
1936260	Drill Core	3.56	0.209	11	348	4	27	<0.3	2	6	620	3.96	4	<2	3	42	<0.5	<3	4	47	1.92
DUP 1936260	QC	<0.01	0.191	12	355	<3	28	<0.3	2	6	622	3.95	3	<2	4	42	<0.5	<3	4	49	1.90
1936294	Drill Core	4.24	1.179	4	402	8	39	0.4	1	10	546	3.98	6	<2	3	134	<0.5	<3	4	47	2.37
DUP 1936294	QC	<0.01	1.159	5	417	5	40	0.3	2	10	565	4.05	6	<2	3	141	<0.5	<3	4	50	2.45
Reference Materials																					
STD DS9	Standard			13	106	117	328	1.6	40	8	569	2.31	28	<2	6	66	2.2	6	4	40	0.70

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Project: None Given
Report Date: July 30, 2012

QUALITY CONTROL REPORT SMI12000104.1

Method		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
Pulp Duplicates																	
1936184	Drill Core	0.124	8	4	0.85	75	0.004	<20	1.28	0.04	0.29	<2	2.85	<1	<5	<5	<5
REP 1936184	QC	0.126	8	4	0.88	80	0.005	<20	1.32	0.04	0.30	<2	2.93	<1	<5	<5	<5
1936218	Drill Core	0.130	10	4	0.64	353	0.002	<20	1.29	0.02	0.30	<2	1.15	<1	<5	7	<5
REP 1936218	QC																
1936219	Drill Core	0.115	8	2	0.59	30	0.009	<20	1.12	0.04	0.25	<2	2.31	<1	<5	<5	<5
REP 1936219	QC	0.118	8	5	0.59	33	0.009	<20	1.12	0.04	0.25	<2	2.31	<1	<5	6	<5
1936252	Drill Core	0.123	5	4	0.82	155	0.024	<20	1.25	0.04	0.28	<2	3.32	<1	<5	7	<5
REP 1936252	QC																
1936254	Drill Core	0.131	7	2	0.89	276	0.003	<20	1.37	0.03	0.30	<2	2.14	<1	6	7	<5
REP 1936254	QC	0.133	7	3	0.89	251	0.003	<20	1.37	0.03	0.30	<2	2.17	<1	<5	6	<5
1936286	Drill Core	0.118	7	4	1.07	193	0.010	<20	1.39	0.04	0.22	<2	1.29	<1	<5	7	<5
REP 1936286	QC																
1936289	Drill Core	0.118	7	3	0.98	264	0.008	<20	1.45	0.04	0.25	<2	1.74	<1	<5	8	<5
REP 1936289	QC	0.119	7	3	1.00	272	0.008	<20	1.50	0.04	0.26	<2	1.75	<1	<5	6	<5
REP 1936294	QC																
1936304	Drill Core	0.120	11	3	0.73	466	0.001	<20	1.28	0.02	0.28	3	0.73	<1	<5	<5	<5
REP 1936304	QC	0.122	12	4	0.73	457	0.001	<20	1.31	0.02	0.28	4	0.75	<1	<5	<5	<5
Core Reject Duplicates																	
1936192	Drill Core	0.126	6	3	0.74	50	<0.001	<20	1.09	<0.01	0.26	<2	5.36	<1	<5	<5	<5
DUP 1936192	QC	0.132	7	4	0.78	60	0.001	<20	1.21	<0.01	0.34	<2	5.69	<1	<5	<5	<5
1936226	Drill Core	0.170	12	24	1.54	317	0.001	<20	2.32	0.01	0.28	<2	0.33	<1	<5	14	6
DUP 1936226	QC	0.172	12	25	1.51	431	0.001	<20	2.43	0.01	0.28	<2	0.34	<1	<5	15	6
1936260	Drill Core	0.128	6	4	0.90	88	0.006	<20	1.34	0.02	0.28	<2	2.37	<1	<5	6	<5
DUP 1936260	QC	0.133	6	4	0.91	169	0.006	<20	1.32	0.02	0.30	<2	2.31	<1	<5	6	<5
1936294	Drill Core	0.121	6	3	0.90	181	0.023	<20	1.25	0.03	0.20	<2	2.52	<1	<5	7	<5
DUP 1936294	QC	0.122	7	4	0.94	196	0.025	<20	1.31	0.03	0.20	<2	2.43	<1	<5	7	<5
Reference Materials																	
STD DS9	Standard	0.086	10	119	0.62	323	0.098	<20	0.91	0.08	0.41	3	0.17	<1	<5	<5	<5

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QUALITY CONTROL REPORT SMI12000104.1

		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
STD DS9	Standard			13	115	132	344	1.7	43	8	631	2.48	24	<2	6	75	2.8	5	5	42	0.76
STD DS9	Standard			15	111	139	351	1.6	43	9	635	2.51	26	<2	7	78	2.8	4	6	46	0.79
STD DS9	Standard			13	111	131	353	1.8	42	7	610	2.45	29	<2	5	73	2.1	5	8	41	0.75
STD DS9	Standard			14	108	108	329	1.6	42	7	615	2.43	30	<2	7	73	3.1	6	9	43	0.76
STD OREAS45CA	Standard			3	487	28	56	<0.3	238	95	936	16.63	2	<2	7	14	<0.5	<3	<3	215	0.44
STD OREAS45CA	Standard			1	546	22	68	<0.3	269	102	989	17.04	3	<2	8	16	<0.5	<3	<3	229	0.46
STD OREAS45CA	Standard			1	529	31	68	<0.3	267	104	996	17.30	4	<2	9	16	<0.5	<3	3	234	0.47
STD OREAS45CA	Standard			<1	501	20	60	0.8	254	93	1027	16.09	<2	<2	7	16	<0.5	4	<3	227	0.47
STD OREAS45CA	Standard			3	564	35	63	<0.3	281	105	1047	18.25	3	<2	7	16	2.1	<3	<3	244	0.48
STD OXG99	Standard		0.883																		
STD OXG99	Standard		0.922																		
STD OXG99	Standard		0.919																		
STD OXG99	Standard		0.896																		
STD OXG99	Standard		0.953																		
STD OXK94	Standard		3.337																		
STD OXK94	Standard		3.343																		
STD OXK94	Standard		3.415																		
STD OXK94	Standard		3.308																		
STD OXK94	Standard		3.494																		
STD OXG99 Expected			0.932																		
STD OXK94 Expected			3.562																		
STD DS9 Expected				12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	0.118	6.38	69.6	2.4	4.94	6.32	40	0.7201
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	0.043	7	15	0.1	0.13	0.19	215	0.4265
BLK	Blank		0.005																		
BLK	Blank		0.007																		
BLK	Blank		0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		

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530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 30, 2012

QUALITY CONTROL REPORT SMI12000104.1

		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
STD DS9	Standard	0.086	12	124	0.66	355	0.110	<20	1.00	0.09	0.43	3	0.18	<1	6	6	<5
STD DS9	Standard	0.088	14	131	0.68	356	0.119	<20	1.05	0.10	0.44	3	0.18	<1	7	7	<5
STD DS9	Standard	0.086	12	127	0.66	341	0.107	<20	0.99	0.09	0.42	2	0.17	<1	<5	6	<5
STD DS9	Standard	0.088	13	126	0.66	341	0.111	<20	1.01	0.10	0.43	4	0.19	<1	<5	<5	<5
STD OREAS45CA	Standard	0.041	16	690	0.14	163	0.119	<20	3.38	0.01	0.07	<2	<0.05	<1	<5	10	45
STD OREAS45CA	Standard	0.041	18	773	0.15	170	0.151	<20	3.95	0.01	0.08	<2	<0.05	<1	<5	22	50
STD OREAS45CA	Standard	0.042	18	772	0.15	175	0.148	<20	3.98	0.01	0.08	<2	<0.05	<1	<5	23	51
STD OREAS45CA	Standard	0.040	16	752	0.13	178	0.131	<20	3.56	0.01	0.07	<2	<0.05	<1	<5	16	48
STD OREAS45CA	Standard	0.046	18	805	0.16	180	0.151	<20	4.08	0.02	0.09	<2	<0.05	<1	<5	13	52
STD OXG99	Standard																
STD OXG99	Standard																
STD OXG99	Standard																
STD OXG99	Standard																
STD OXG99	Standard																
STD OXK94	Standard																
STD OXK94	Standard																
STD OXK94	Standard																
STD OXK94	Standard																
STD OXK94	Standard																
STD OXG99 Expected																	
STD OXK94 Expected																	
STD DS9 Expected		0.0819	13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	0.1615	0.2	5.3	4.59	2.5
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.021	0.03	0.07		
BLK	Blank																
BLK	Blank																
BLK	Blank																
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BLK	Blank																
BLK	Blank																

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530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 30, 2012

QUALITY CONTROL REPORT SMI12000104.1

		WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
BLK	Blank		<0.005																		
BLK	Blank		0.006																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
Prep Wash																					
G1	Prep Blank	<0.01	<0.005	<1	1	<3	48	<0.3	3	3	585	2.04	<2	<2	7	75	0.8	<3	<3	41	0.52
G1	Prep Blank	<0.01	<0.005	<1	3	<3	49	<0.3	3	3	599	2.07	<2	<2	6	78	0.9	<3	<3	42	0.56

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530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: July 30, 2012

QUALITY CONTROL REPORT SMI12000104.1

		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
Prep Wash																	
G1	Prep Blank	0.083	12	5	0.52	157	0.124	<20	0.94	0.08	0.50	<2	<0.05	<1	<5	<5	<5
G1	Prep Blank	0.083	12	6	0.54	164	0.132	<20	1.03	0.10	0.51	<2	<0.05	<1	<5	<5	<5

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Client: **West Cirque Resources**
530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Submitted By:	John Bradford
Receiving Lab:	Canada-Smithers
Received:	September 24, 2012
Report Date:	October 08, 2012
Page:	1 of 2

CERTIFICATE OF ANALYSIS SMI12000391.1

CLIENT JOB INFORMATION

Project:	None Given
Shipment ID:	
P.O. Number	
Number of Samples:	5

SAMPLE DISPOSAL

STOR-PLP	Store After 90 days Invoice for Storage
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	5	Crush, split and pulverize 250 g rock to 200 mesh			SMI
G601	5	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
1D01	5	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: West Cirque Resources
530 - 510 Burrard Street
Vancouver BC V6C 3A8
Canada

CC: Nigel Luckman

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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Client: **West Cirque Resources**
530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: October 08, 2012

CERTIFICATE OF ANALYSIS SMI12000391.1

	Method	WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
G1-SMI	Prep Blank	<0.01	<0.005	<1	<1	<3	48	<0.3	2	1	513	1.81	<2	<2	4	63	<0.5	<3	<3	35	0.45
836951	Rock	1.01	0.060	4	5889	<3	57	1.4	4	8	838	3.12	<2	<2	<2	34	<0.5	<3	<3	56	0.51
836952	Rock	1.48	0.012	<1	4165	<3	41	1.0	2	5	758	2.69	<2	<2	<2	34	<0.5	<3	<3	34	1.30
836953	Rock	1.48	0.010	2	7470	<3	56	2.0	2	6	785	3.18	2	<2	<2	27	<0.5	4	<3	38	0.43
836954	Rock	1.33	0.007	<1	766	<3	65	0.4	2	7	693	2.71	<2	<2	<2	48	<0.5	<3	<3	56	1.49
836955	Rock	0.95	<0.005	<1	141	<3	72	<0.3	71	14	943	3.49	4	<2	<2	95	<0.5	<3	3	76	4.83

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Client: **West Cirque Resources**
530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: October 08, 2012

CERTIFICATE OF ANALYSIS SMI12000391.1

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
G1-SMI	Prep Blank	0.080	10	5	0.48	155	0.108	<20	0.84	0.09	0.46	<2	<0.05	<1	<5	5	<5
836951	Rock	0.123	4	4	1.40	59	0.051	<20	1.86	0.06	0.15	<2	<0.05	<1	<5	6	6
836952	Rock	0.118	5	4	0.94	196	0.030	<20	1.61	0.06	0.25	<2	<0.05	<1	<5	5	<5
836953	Rock	0.117	5	2	1.08	64	0.038	<20	1.78	0.06	0.21	<2	<0.05	<1	<5	<5	<5
836954	Rock	0.113	3	3	0.99	58	0.053	<20	1.41	0.07	0.13	<2	<0.05	<1	<5	<5	<5
836955	Rock	0.114	6	151	1.69	24	0.130	<20	1.73	0.05	0.03	<2	<0.05	<1	<5	6	7

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Client: **West Cirque Resources**
530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: October 08, 2012

QUALITY CONTROL REPORT SMI12000391.1

	Method	WGHT	G6	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
Reference Materials																					
STD DS9	Standard			11	96	120	321	1.6	38	5	538	2.24	26	<2	6	65	2.3	5	5	37	0.66
STD OREAS45CA	Standard			<1	482	15	65	0.6	237	93	902	15.43	<2	<2	6	14	<0.5	6	<3	200	0.43
STD OREAS45EA	Standard			1	622	11	31	0.7	357	52	362	21.97	4	<2	9	3	<0.5	7	<3	268	0.03
STD OXG99	Standard		0.947																		
STD OXK94	Standard		3.497																		
STD OXK94 Expected			3.562																		
STD OXG99 Expected			0.932																		
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	0.043	7	15	0.1	0.13	0.19	215	0.4265
STD OREAS45EA Expected					709	14.3	30.6	0	357	52	400	22.65	11.4	0.05	10.7	4.05				295	0.032
STD DS9 Expected				12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	0.118	6.38	69.6	2.4	4.94	6.32	40	0.7201
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
Prep Wash																					
G1-SMI	Prep Blank	<0.01	<0.005	<1	<1	<3	48	<0.3	2	1	513	1.81	<2	<2	4	63	<0.5	<3	<3	35	0.45

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Client: **West Cirque Resources**
530 - 510 Burrard Street
Vancouver BC V6C 3A8 Canada

Project: None Given
Report Date: October 08, 2012

QUALITY CONTROL REPORT SMI12000391.1

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
Reference Materials																	
STD DS9	Standard	0.084	10	120	0.59	318	0.096	<20	0.89	0.08	0.38	3	0.16	<1	<5	<5	<5
STD OREAS45CA	Standard	0.041	17	720	0.13	165	0.128	<20	3.42	0.02	0.07	<2	<0.05	<1	<5	13	46
STD OREAS45EA	Standard	0.029	7	818	0.08	146	0.084	<20	2.86	0.03	0.05	<2	<0.05	<1	<5	<5	78
STD OXG99	Standard																
STD OXK94	Standard																
STD OXK94 Expected																	
STD OXG99 Expected																	
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.021	0.03	0.07		
STD OREAS45EA Expected		0.029		849	0.095	139			3.32	0.027	0.053		0.044		0.072	11.7	78
STD DS9 Expected		0.0819	13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	0.1615	0.2	5.3	4.59	2.5
BLK	Blank																
BLK	Blank																
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
Prep Wash																	
G1-SMI	Prep Blank	0.080	10	5	0.48	155	0.108	<20	0.84	0.09	0.46	<2	<0.05	<1	<5	5	<5

Appendix E Statement of Qualifications

I, John Bradford, P.Geo., certify that:

1. I am presently Vice President Exploration for West Cirque Resources Ltd. with a business address located at:
   530-510 Burrard St.
   Vancouver, BC, Canada
   V6C 3A8

2. I am a member in good standing of the Association of Professional Engineers and Geoscientists of B.C.

3. I graduated from the University of British Columbia in 1985 with a Bachelor of Science in Geology and from the University of British Columbia in 1988 with a Master of Science in Geology.

4. Since 1988 I have been continuously employed in exploration for base and precious metals in North America, South America and China.

5. I supervised and participated in the 2012 exploration program at Castle and am therefore personally familiar with the geology of the Castle Property and the work conducted in 2012. I have prepared all sections of this report.

Dated this 15 Day of November, 2012

Signature

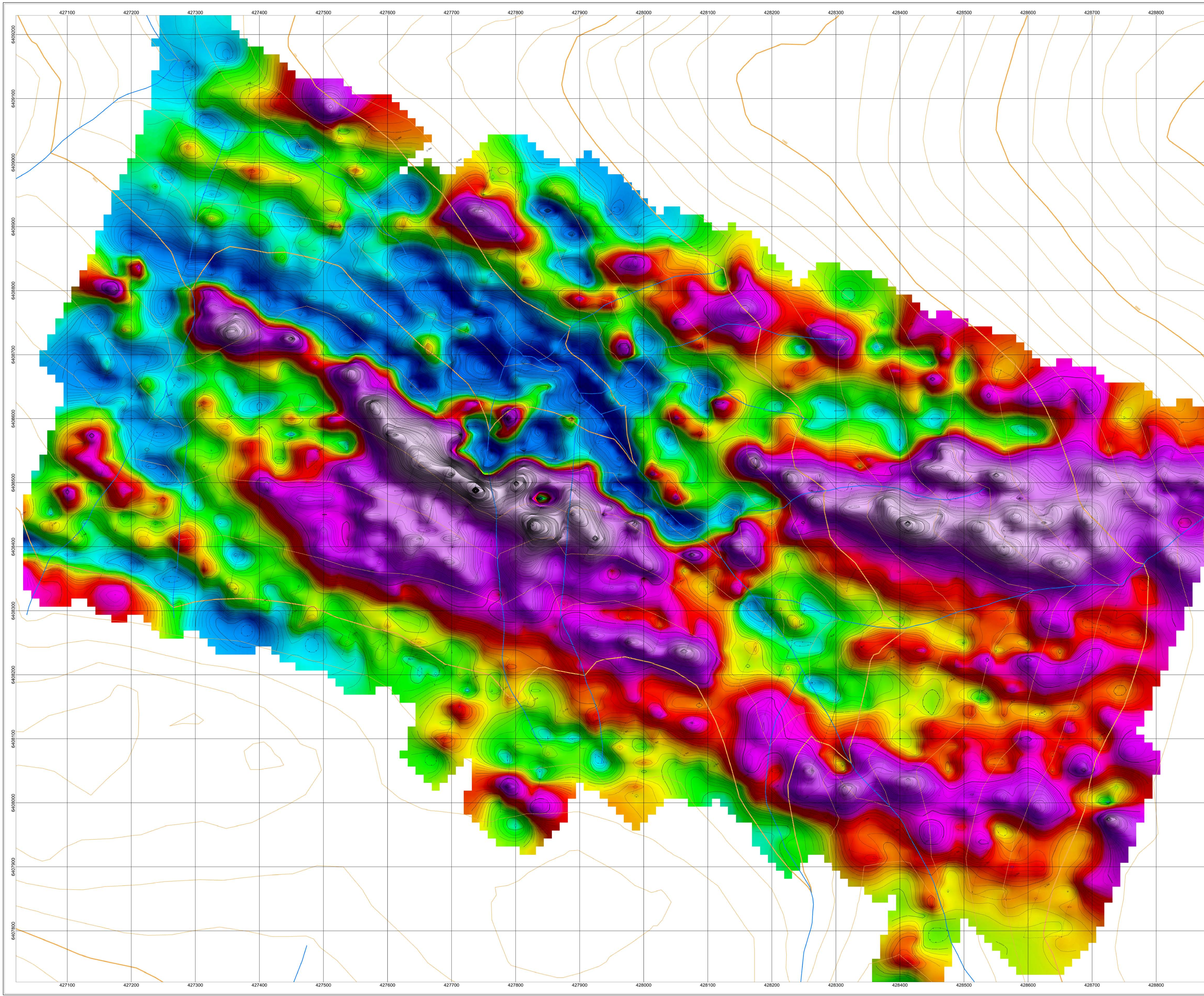
John Bradford, M.Sc, PGeo

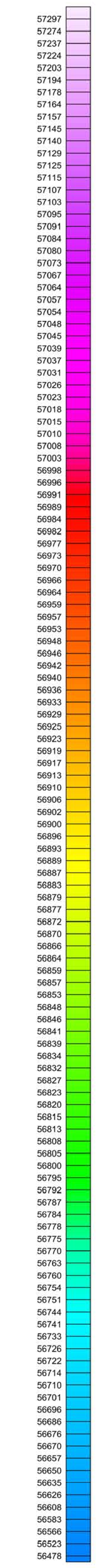
Appendix F	Ground Magnetic Survey

F-1 Total Magnetic Intensity – Histogram Equalization Stretch

F-2 Total Magnetic Intensity – Linear Stretch

West Cirque Resources





Scale 1:2000

25 0 25 50 75 100 125 150

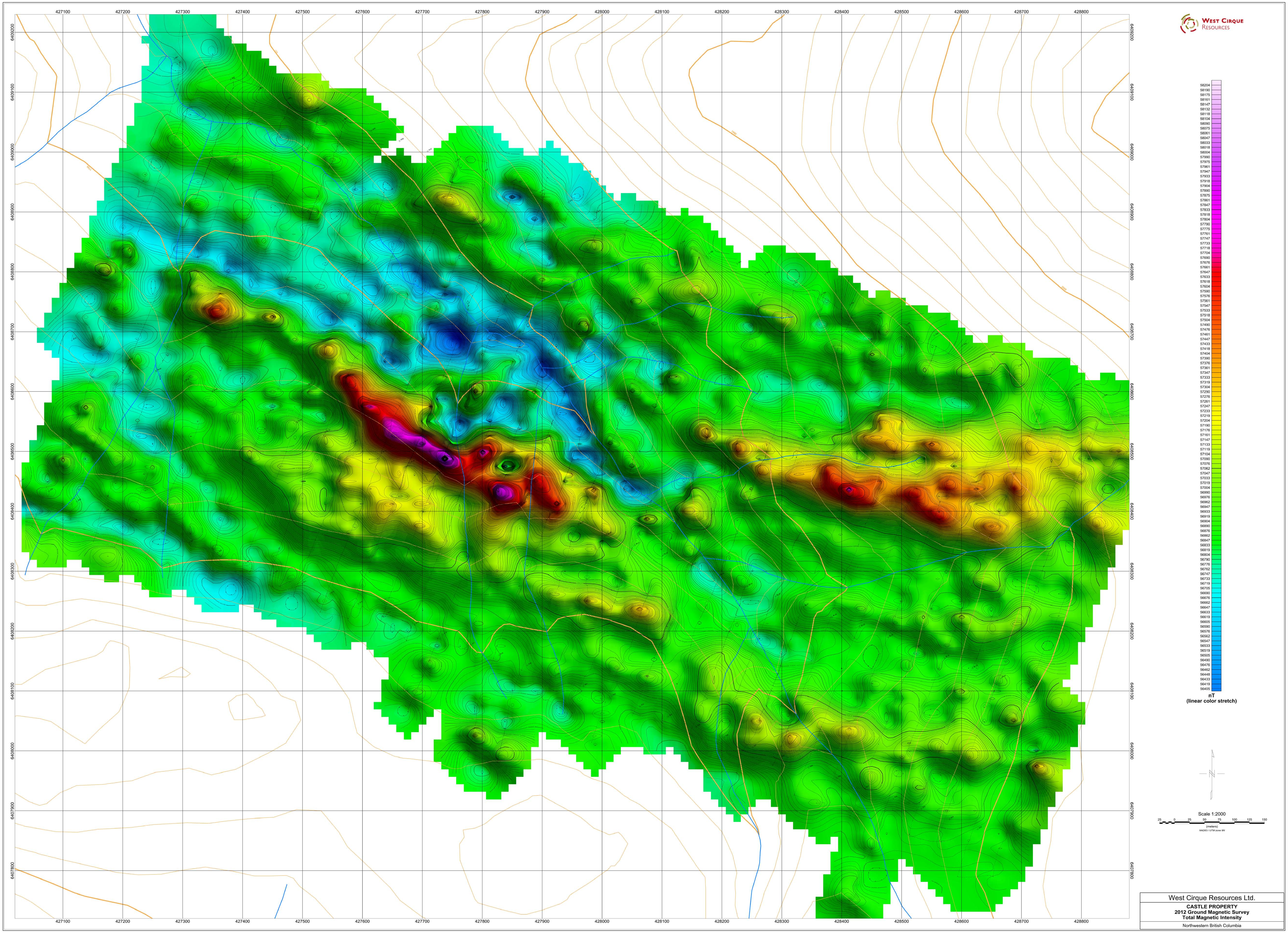
(meters)

NAD83 / UTM zone 9N

West Cirque Resources Ltd.

CASTLE PROPERTY
2012 Ground Magnetic Survey
Total Magnetic Intensity

Northwestern British Columbia


West Cirque Resources
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6409200
6409100
6409000
6408900
6408800
6408700
6408600
6408500
6408400
6408300
6408200
6408100
6408000
6407900
6407800
58204
56405
nT
(linear color stretch)
Scale 1:2000
25 0 25 50 75 100 125 150
(meters)
NAD83 / UTM zone 9N
West Cirque Resources Ltd.
CASTLE PROPERTY
2012 Ground Magnetic Survey
Total Magnetic Intensity
Northwestern British Columbia